

## IES INDOOR REPORT

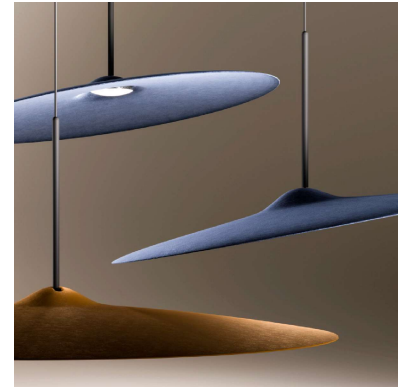
PHOTOMETRIC FILENAME : F58 2700K 900.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[MANUFAC] Fabbian  
[EULUMDAT\_ITYP] 1  
[EULUMDAT\_HDIST] 3  
[EULUMD\_VDIST] 3  
[TEST] Fabbian Acustica F58  
[LUMINAIRE] Fabbian Acustica F58  
[LUMCAT] F58A  
[EULUM\_FILENAME] Fabbian Acustica F58  
[ISSUEDATE] Fabbian 15-01-2021 LC  
[EULUM\_AREALENGTH] 118  
[EULUM\_AREAWIDTH] 0  
[EULUM\_C0\_LUM] 0  
[EULUM\_C90\_LUM] 0  
[EULUM\_C180\_LUM] 0  
[EULUM\_C270\_LUM] 0  
[EULUM\_DOWN\_FLUX] 100  
[EULUM\_EFFICIENCY] 99.9  
[EULUM\_CONV] 1  
[EULUM\_TILT] 0.0  
[EULUM\_LAMP\_1\_NUM] 1  
[EULUM\_LAMP\_1\_TYPE] LED  
[EULUM\_LAMP\_1\_FLUX] 2054  
[EULUM\_LAMP\_1\_COLOR] 2700K  
[EULUM\_LAMP\_1\_CRG] 90  
[EULUM\_LAMP\_1\_WATTS] 20  
[LAMP] LED  
[EULUM\_DR\_0] 0.39  
[EULUM\_DR\_1] 0.48  
[EULUM\_DR\_2] 0.56  
[EULUM\_DR\_3] 0.63  
[EULUM\_DR\_4] 0.68  
[EULUM\_DR\_5] 0.76  
[EULUM\_DR\_6] 0.81  
[EULUM\_DR\_7] 0.84  
[EULUM\_DR\_8] 0.88  
[EULUM\_DR\_9] 0.9  
[CONVERT] Luminaire test position and photometric web converted from original test data

**CHARACTERISTICS**

|                                 |                   |
|---------------------------------|-------------------|
| Lumens Per Lamp                 | 2054 (1 lamp)     |
| Total Lamp Lumens               | 2054              |
| Luminaire Lumens                | 2054              |
| Total Luminaire Efficiency      | 100 %             |
| Luminaire Efficacy Rating (LER) | 103               |
| Total Luminaire Watts           | 20                |
| Ballast Factor                  | 1.00              |
| CIE Type                        | Direct            |
| Spacing Criterion (0-180)       | 1.26              |
| Spacing Criterion (90-270)      | 1.26              |
| Spacing Criterion (Diagonal)    | 1.32              |
| Basic Luminous Shape            | Circular          |
| Luminous Length (0-180)         | 0.12 m (Diameter) |
| Luminous Width (90-270)         | 0.12 m (Diameter) |
| Luminous Height                 | 0.00 m            |



**LUMINANCE DATA (cd/sq.m)**

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 64319            | 68705             | 65565             |
| 55                  | 46909            | 50372             | 48747             |
| 65                  | 31160            | 31980             | 32947             |
| 75                  | 19440            | 17721             | 20013             |
| 85                  | 12731            | 11581             | 12702             |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION**

|              | <u>0.0</u> | <u>2.5</u> | <u>5.0</u> | <u>7.5</u> | <u>10.0</u> | <u>12.5</u> | <u>15.0</u> | <u>17.5</u> | <u>20.0</u> | <u>22.5</u> |
|--------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>0.0</b>   | 917.850    | 917.850    | 917.850    | 917.850    | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     |
| <b>2.5</b>   | 913.657    | 914.812    | 916.150    | 917.089    | 916.835     | 915.220     | 913.537     | 914.521     | 916.202     | 917.491     |
| <b>5.0</b>   | 910.189    | 911.815    | 913.569    | 914.978    | 914.838     | 912.410     | 908.621     | 911.525     | 913.649     | 914.304     |
| <b>7.5</b>   | 905.650    | 907.139    | 908.745    | 910.430    | 910.678     | 908.208     | 903.698     | 907.336     | 909.542     | 909.696     |
| <b>10.0</b>  | 899.453    | 900.595    | 901.982    | 903.644    | 904.013     | 901.920     | 898.577     | 901.316     | 903.370     | 903.801     |
| <b>12.5</b>  | 892.220    | 893.107    | 894.355    | 895.605    | 895.672     | 894.111     | 892.799     | 893.934     | 895.460     | 896.444     |
| <b>15.0</b>  | 885.767    | 886.298    | 886.801    | 887.595    | 887.992     | 887.355     | 886.157     | 886.979     | 887.677     | 888.109     |
| <b>17.5</b>  | 876.541    | 876.772    | 876.987    | 877.385    | 877.648     | 877.354     | 876.384     | 877.747     | 878.691     | 879.011     |
| <b>20.0</b>  | 862.399    | 864.191    | 865.339    | 865.983    | 866.076     | 865.457     | 863.940     | 865.709     | 866.688     | 866.970     |
| <b>22.5</b>  | 846.690    | 848.632    | 849.945    | 850.916    | 850.996     | 849.676     | 847.357     | 849.351     | 851.188     | 851.702     |
| <b>25.0</b>  | 826.776    | 827.803    | 829.076    | 830.614    | 831.089     | 829.559     | 827.180     | 829.297     | 831.601     | 832.127     |
| <b>27.5</b>  | 800.584    | 801.158    | 802.911    | 805.224    | 806.516     | 805.865     | 804.644     | 806.553     | 807.786     | 807.900     |
| <b>30.0</b>  | 773.146    | 774.019    | 775.262    | 777.419    | 779.431     | 780.236     | 780.356     | 780.767     | 780.616     | 780.941     |
| <b>32.5</b>  | 739.153    | 739.484    | 740.857    | 743.142    | 745.369     | 746.624     | 746.944     | 748.553     | 749.772     | 750.508     |
| <b>35.0</b>  | 698.778    | 699.537    | 701.519    | 704.484    | 707.089     | 708.268     | 708.617     | 710.967     | 712.724     | 713.625     |
| <b>37.5</b>  | 653.778    | 654.736    | 656.715    | 659.791    | 662.596     | 663.961     | 664.552     | 667.230     | 669.731     | 671.037     |
| <b>40.0</b>  | 604.574    | 605.476    | 607.112    | 609.874    | 612.726     | 614.608     | 615.824     | 619.025     | 622.125     | 623.735     |
| <b>42.5</b>  | 551.756    | 552.720    | 554.243    | 556.776    | 559.668     | 562.136     | 564.230     | 568.136     | 571.110     | 572.628     |
| <b>45.0</b>  | 497.581    | 498.745    | 500.183    | 502.542    | 505.482     | 508.395     | 511.117     | 514.095     | 516.554     | 518.214     |
| <b>47.5</b>  | 442.723    | 443.887    | 445.518    | 447.580    | 449.802     | 451.993     | 454.359     | 457.708     | 460.753     | 462.739     |
| <b>50.0</b>  | 390.466    | 391.173    | 392.469    | 394.146    | 396.016     | 397.956     | 399.941     | 402.714     | 405.656     | 408.065     |
| <b>52.5</b>  | 340.934    | 340.976    | 341.882    | 343.450    | 345.216     | 346.804     | 348.276     | 350.630     | 352.956     | 355.321     |
| <b>55.0</b>  | 294.366    | 294.120    | 294.719    | 296.142    | 297.739     | 298.951     | 300.035     | 301.689     | 303.129     | 305.159     |
| <b>57.5</b>  | 250.796    | 250.919    | 251.336    | 252.315    | 253.493     | 254.468     | 255.384     | 255.835     | 256.518     | 258.290     |
| <b>60.0</b>  | 209.734    | 210.213    | 210.747    | 211.500    | 212.287     | 212.866     | 213.226     | 213.705     | 214.417     | 216.030     |
| <b>62.5</b>  | 175.158    | 175.452    | 175.800    | 176.214    | 176.605     | 176.907     | 177.195     | 177.061     | 177.285     | 178.578     |
| <b>65.0</b>  | 144.074    | 144.285    | 144.551    | 144.803    | 144.953     | 145.006     | 145.177     | 144.646     | 144.508     | 145.214     |
| <b>67.5</b>  | 116.370    | 116.387    | 116.698    | 116.847    | 116.756     | 116.561     | 116.442     | 116.159     | 115.890     | 116.231     |
| <b>70.0</b>  | 92.560     | 92.475     | 92.790     | 92.820     | 92.553      | 92.219      | 91.848      | 91.580      | 91.143      | 91.256      |
| <b>72.5</b>  | 72.660     | 72.734     | 72.911     | 72.814     | 72.506      | 72.163      | 71.746      | 70.824      | 70.079      | 69.915      |
| <b>75.0</b>  | 55.047     | 55.235     | 55.355     | 55.253     | 54.910      | 54.407      | 53.876      | 53.397      | 52.808      | 52.490      |
| <b>77.5</b>  | 41.337     | 41.482     | 41.525     | 41.388     | 41.103      | 40.742      | 40.354      | 39.647      | 39.058      | 38.745      |
| <b>80.0</b>  | 29.694     | 29.808     | 29.867     | 29.769     | 29.546      | 29.275      | 28.996      | 28.402      | 27.845      | 27.534      |
| <b>82.5</b>  | 19.739     | 19.782     | 19.934     | 19.960     | 19.831      | 19.614      | 19.349      | 19.212      | 18.897      | 18.702      |
| <b>85.0</b>  | 12.139     | 12.242     | 12.409     | 12.499     | 12.470      | 12.337      | 12.126      | 12.222      | 12.109      | 12.030      |
| <b>87.5</b>  | 6.624      | 6.910      | 6.944      | 6.958      | 6.983       | 6.975       | 6.933       | 6.776       | 6.641       | 6.573       |
| <b>90.0</b>  | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>92.5</b>  | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>95.0</b>  | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>97.5</b>  | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>100.0</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>102.5</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>105.0</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>107.5</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>110.0</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>112.5</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>115.0</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>117.5</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>120.0</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>122.5</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>125.0</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>127.5</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>130.0</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>132.5</b> | 0.000      | 0.000      | 0.000      | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

| Vert.<br>Angles | Horizontal Angles |             |             |             |             |             |             |             |             |             |
|-----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                 | <u>25.0</u>       | <u>27.5</u> | <u>30.0</u> | <u>32.5</u> | <u>35.0</u> | <u>37.5</u> | <u>40.0</u> | <u>42.5</u> | <u>45.0</u> | <u>47.5</u> |
| 0.0             | 917.850           | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     |
| 2.5             | 918.153           | 918.310     | 917.953     | 916.441     | 915.614     | 916.344     | 917.514     | 917.890     | 918.004     | 918.475     |
| 5.0             | 914.420           | 915.010     | 915.632     | 913.521     | 912.159     | 912.729     | 914.247     | 915.395     | 916.364     | 917.044     |
| 7.5             | 909.333           | 909.978     | 910.980     | 908.986     | 907.759     | 908.341     | 909.837     | 911.024     | 911.966     | 912.651     |
| 10.0            | 903.529           | 903.722     | 904.184     | 902.410     | 901.572     | 902.720     | 904.483     | 905.283     | 905.540     | 906.054     |
| 12.5            | 896.609           | 896.213     | 895.945     | 894.007     | 893.289     | 895.244     | 897.791     | 898.602     | 898.402     | 898.725     |
| 15.0            | 888.136           | 887.866     | 887.883     | 885.589     | 884.788     | 886.763     | 889.751     | 891.419     | 891.333     | 891.898     |
| 17.5            | 878.864           | 878.560     | 878.349     | 876.440     | 875.785     | 877.563     | 879.921     | 880.684     | 880.071     | 880.393     |
| 20.0            | 866.694           | 866.073     | 865.405     | 863.779     | 863.321     | 864.850     | 866.722     | 867.204     | 866.849     | 866.930     |
| 22.5            | 851.595           | 851.670     | 851.055     | 849.548     | 848.891     | 850.228     | 852.146     | 852.843     | 852.287     | 852.398     |
| 25.0            | 832.258           | 833.474     | 834.102     | 832.350     | 831.484     | 832.883     | 834.992     | 835.758     | 835.067     | 835.347     |
| 27.5            | 808.215           | 809.962     | 812.429     | 810.509     | 809.961     | 811.618     | 813.610     | 814.069     | 813.833     | 814.357     |
| 30.0            | 781.958           | 783.468     | 785.265     | 785.128     | 785.415     | 786.867     | 788.654     | 789.544     | 789.065     | 790.417     |
| 32.5            | 751.211           | 752.215     | 753.086     | 753.904     | 755.353     | 757.332     | 758.979     | 759.507     | 759.042     | 759.395     |
| 35.0            | 714.283           | 715.269     | 716.182     | 717.762     | 719.585     | 721.204     | 722.298     | 722.763     | 722.802     | 722.888     |
| 37.5            | 671.901           | 673.199     | 674.277     | 676.562     | 678.327     | 679.427     | 680.264     | 681.086     | 681.291     | 681.967     |
| 40.0            | 624.758           | 626.339     | 627.805     | 630.099     | 631.767     | 633.015     | 634.104     | 634.995     | 635.001     | 635.959     |
| 42.5            | 573.685           | 575.386     | 577.523     | 579.078     | 580.836     | 582.927     | 584.497     | 584.849     | 584.592     | 584.935     |
| 45.0            | 519.819           | 521.997     | 524.119     | 526.087     | 527.974     | 529.942     | 531.452     | 531.942     | 531.514     | 532.198     |
| 47.5            | 464.419           | 466.724     | 469.432     | 470.915     | 472.271     | 473.834     | 475.121     | 475.671     | 475.885     | 476.298     |
| 50.0            | 410.090           | 412.082     | 413.936     | 415.391     | 416.809     | 418.533     | 420.077     | 420.899     | 421.173     | 421.110     |
| 52.5            | 357.204           | 358.288     | 359.255     | 360.667     | 362.387     | 364.416     | 366.057     | 366.861     | 367.564     | 366.956     |
| 55.0            | 306.746           | 306.986     | 307.066     | 308.572     | 310.489     | 312.547     | 314.125     | 315.001     | 316.097     | 315.292     |
| 57.5            | 259.819           | 259.732     | 258.759     | 260.426     | 262.171     | 263.891     | 265.428     | 266.694     | 267.787     | 267.108     |
| 60.0            | 217.142           | 216.482     | 215.095     | 215.848     | 216.944     | 218.515     | 219.949     | 220.973     | 222.736     | 221.315     |
| 62.5            | 179.503           | 178.711     | 177.182     | 177.464     | 177.952     | 178.830     | 179.999     | 181.374     | 183.179     | 181.929     |
| 65.0            | 145.697           | 144.966     | 143.705     | 143.608     | 143.771     | 144.300     | 145.220     | 146.464     | 147.867     | 146.926     |
| 67.5            | 116.376           | 115.553     | 114.449     | 113.790     | 113.678     | 114.095     | 114.696     | 115.371     | 116.801     | 115.722     |
| 70.0            | 91.209            | 90.284      | 89.171      | 88.321      | 88.059      | 88.267      | 88.573      | 88.958      | 90.355      | 89.334      |
| 72.5            | 69.698            | 68.806      | 67.676      | 67.236      | 67.007      | 66.835      | 66.967      | 67.616      | 68.528      | 68.092      |
| 75.0            | 51.994            | 50.936      | 49.892      | 49.225      | 48.926      | 48.855      | 48.858      | 49.067      | 50.179      | 49.357      |
| 77.5            | 38.335            | 37.474      | 36.387      | 35.905      | 35.609      | 35.400      | 35.381      | 35.730      | 36.572      | 35.921      |
| 80.0            | 27.168            | 26.453      | 25.621      | 25.335      | 25.109      | 24.905      | 24.858      | 25.097      | 25.565      | 25.223      |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 82.5  | 18.421 | 17.843 | 17.244 | 16.875 | 16.720 | 16.668 | 16.627 | 16.649 | 17.069 | 16.641 |
| 85.0  | 11.865 | 11.481 | 11.064 | 10.682 | 10.587 | 10.623 | 10.617 | 10.604 | 11.043 | 10.508 |
| 87.5  | 6.510  | 6.376  | 6.162  | 6.091  | 6.054  | 6.000  | 6.025  | 6.204  | 6.418  | 6.162  |
| 90.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 92.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 95.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 97.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 100.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 102.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 105.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 107.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 110.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 112.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 115.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 117.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 120.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 122.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 125.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 127.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 130.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 132.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 135.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 137.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 140.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 142.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 145.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 147.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 150.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 152.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 155.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 157.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 160.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 162.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 165.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 167.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 170.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 172.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 175.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 177.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 180.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |

**Vert. Horizontal Angles**

|      | <u>50.0</u> | <u>52.5</u> | <u>55.0</u> | <u>57.5</u> | <u>60.0</u> | <u>62.5</u> | <u>65.0</u> | <u>67.5</u> | <u>70.0</u> | <u>72.5</u> |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0  | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     |
| 2.5  | 918.466     | 917.191     | 915.979     | 916.036     | 916.208     | 915.223     | 914.353     | 914.607     | 915.312     | 915.543     |
| 5.0  | 916.554     | 914.116     | 911.976     | 912.216     | 913.551     | 911.936     | 910.650     | 910.795     | 911.787     | 912.628     |
| 7.5  | 912.034     | 909.414     | 907.146     | 907.461     | 909.275     | 907.598     | 906.461     | 906.533     | 907.375     | 908.258     |
| 10.0 | 905.522     | 903.154     | 901.110     | 901.452     | 903.089     | 901.651     | 900.912     | 901.042     | 901.512     | 901.803     |
| 12.5 | 898.046     | 895.462     | 893.285     | 893.656     | 895.168     | 894.046     | 893.569     | 893.762     | 893.942     | 893.598     |
| 15.0 | 890.765     | 887.297     | 884.349     | 884.504     | 886.301     | 885.907     | 885.472     | 885.469     | 885.692     | 885.698     |
| 17.5 | 879.280     | 876.462     | 873.954     | 873.712     | 875.295     | 875.258     | 874.895     | 874.780     | 875.045     | 875.542     |
| 20.0 | 866.211     | 864.327     | 862.623     | 862.363     | 862.933     | 862.317     | 861.801     | 861.660     | 861.892     | 862.287     |
| 22.5 | 851.715     | 849.843     | 848.271     | 848.286     | 848.877     | 847.610     | 846.501     | 845.971     | 845.933     | 845.976     |
| 25.0 | 834.454     | 831.969     | 829.820     | 829.741     | 830.740     | 829.177     | 827.765     | 827.105     | 826.878     | 826.422     |
| 27.5 | 813.412     | 810.375     | 807.386     | 806.562     | 807.202     | 805.741     | 804.694     | 804.437     | 804.208     | 803.145     |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 30.0  | 789.728 | 786.138 | 782.465 | 781.304 | 781.116 | 779.884 | 778.596 | 777.778 | 776.919 | 775.300 |
| 32.5  | 758.109 | 755.200 | 752.088 | 750.097 | 748.954 | 748.163 | 747.136 | 745.967 | 744.568 | 742.687 |
| 35.0  | 722.097 | 720.119 | 717.572 | 715.120 | 712.588 | 711.737 | 710.476 | 708.966 | 707.307 | 705.254 |
| 37.5  | 681.603 | 679.802 | 677.269 | 674.749 | 671.977 | 670.709 | 668.964 | 667.026 | 664.897 | 662.280 |
| 40.0  | 635.658 | 633.813 | 631.215 | 628.685 | 626.032 | 624.656 | 622.844 | 620.664 | 618.033 | 614.832 |
| 42.5  | 584.535 | 583.006 | 580.656 | 577.936 | 574.884 | 573.959 | 572.656 | 570.500 | 567.637 | 564.388 |
| 45.0  | 531.856 | 530.158 | 527.577 | 524.800 | 522.147 | 521.137 | 519.634 | 517.105 | 514.164 | 511.460 |
| 47.5  | 476.015 | 474.460 | 472.107 | 469.668 | 467.271 | 465.890 | 464.120 | 461.861 | 459.351 | 456.900 |
| 50.0  | 420.600 | 419.317 | 417.492 | 415.459 | 413.217 | 411.009 | 409.061 | 407.411 | 405.793 | 404.064 |
| 52.5  | 366.334 | 365.314 | 363.846 | 362.021 | 359.881 | 357.844 | 356.335 | 355.296 | 354.305 | 353.182 |
| 55.0  | 314.702 | 313.769 | 312.459 | 310.950 | 309.318 | 307.898 | 306.842 | 306.125 | 305.578 | 305.189 |
| 57.5  | 266.534 | 265.639 | 264.588 | 263.695 | 262.970 | 261.781 | 260.781 | 260.197 | 260.190 | 260.752 |
| 60.0  | 220.593 | 220.425 | 220.250 | 219.648 | 218.895 | 218.176 | 217.909 | 218.125 | 218.614 | 219.299 |
| 62.5  | 181.333 | 181.416 | 181.681 | 181.654 | 181.443 | 180.839 | 180.857 | 181.264 | 181.842 | 182.623 |
| 65.0  | 146.592 | 146.789 | 147.187 | 147.516 | 147.881 | 147.619 | 147.676 | 148.032 | 148.671 | 149.695 |
| 67.5  | 115.514 | 116.097 | 116.808 | 117.104 | 117.284 | 117.626 | 118.064 | 118.598 | 119.283 | 120.347 |
| 70.0  | 89.189  | 89.948  | 90.823  | 91.114  | 91.109  | 91.651  | 92.261  | 92.926  | 93.710  | 94.848  |
| 72.5  | 68.052  | 68.489  | 69.127  | 69.663  | 70.082  | 70.191  | 70.454  | 70.991  | 71.907  | 73.256  |
| 75.0  | 49.276  | 49.892  | 50.590  | 50.877  | 51.083  | 51.476  | 52.185  | 52.993  | 53.815  | 54.770  |
| 77.5  | 35.804  | 36.207  | 36.714  | 37.002  | 37.321  | 37.615  | 38.189  | 38.855  | 39.551  | 40.387  |
| 80.0  | 25.145  | 25.357  | 25.686  | 25.972  | 26.257  | 26.531  | 26.923  | 27.400  | 27.934  | 28.577  |
| 82.5  | 16.528  | 16.802  | 17.134  | 17.208  | 17.131  | 17.550  | 17.962  | 18.347  | 18.674  | 19.044  |
| 85.0  | 10.364  | 10.671  | 10.985  | 10.905  | 10.619  | 10.955  | 11.265  | 11.506  | 11.678  | 11.928  |
| 87.5  | 6.088   | 6.171   | 6.282   | 6.310   | 6.282   | 6.182   | 6.105   | 6.085   | 6.202   | 6.524   |
| 90.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 92.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 95.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 97.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 100.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 102.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 105.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 107.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 110.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 112.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 115.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 117.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 120.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 122.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 125.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 127.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 130.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 132.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 135.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 137.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 140.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 142.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 145.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 147.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 150.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 152.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 155.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 157.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 160.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 162.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 165.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 167.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|              |       |       |       |       |       |       |       |       |       |       |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>170.0</b> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| <b>172.5</b> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| <b>175.0</b> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| <b>177.5</b> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| <b>180.0</b> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

| <b>Vert.<br/>Angles</b> | <b>Horizontal Angles</b> |             |             |             |             |             |             |             |             |             |
|-------------------------|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                         | <b>75.0</b>              | <b>77.5</b> | <b>80.0</b> | <b>82.5</b> | <b>85.0</b> | <b>87.5</b> | <b>90.0</b> | <b>92.5</b> | <b>95.0</b> | <b>97.5</b> |
| <b>0.0</b>              | 917.850                  | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     | 917.850     |
| <b>2.5</b>              | 915.557                  | 914.730     | 913.902     | 914.196     | 915.728     | 917.988     | 920.213     | 917.988     | 915.728     | 914.196     |
| <b>5.0</b>              | 913.181                  | 911.207     | 910.073     | 911.096     | 913.934     | 917.538     | 921.110     | 917.538     | 913.934     | 911.096     |
| <b>7.5</b>              | 908.977                  | 907.069     | 906.187     | 907.437     | 910.651     | 914.936     | 919.206     | 914.936     | 910.651     | 907.437     |
| <b>10.0</b>             | 902.117                  | 901.227     | 901.090     | 902.213     | 904.997     | 909.389     | 914.529     | 909.389     | 904.997     | 902.213     |
| <b>12.5</b>             | 893.281                  | 893.367     | 894.043     | 895.131     | 897.330     | 901.434     | 907.556     | 901.434     | 897.330     | 895.131     |
| <b>15.0</b>             | 885.253                  | 885.596     | 886.130     | 887.215     | 889.553     | 893.487     | 898.296     | 893.487     | 889.553     | 887.215     |
| <b>17.5</b>             | 876.011                  | 875.141     | 875.215     | 876.415     | 878.502     | 881.168     | 884.380     | 881.168     | 878.502     | 876.415     |
| <b>20.0</b>             | 862.481                  | 862.042     | 861.849     | 862.492     | 864.049     | 866.340     | 869.164     | 866.340     | 864.049     | 862.492     |
| <b>22.5</b>             | 845.539                  | 845.514     | 845.276     | 845.591     | 846.820     | 848.990     | 851.866     | 848.990     | 846.820     | 845.591     |
| <b>25.0</b>             | 825.304                  | 824.773     | 824.457     | 824.832     | 826.101     | 828.201     | 830.809     | 828.201     | 826.101     | 824.832     |
| <b>27.5</b>             | 801.334                  | 799.930     | 799.417     | 799.852     | 801.244     | 803.342     | 805.422     | 803.342     | 801.244     | 799.852     |
| <b>30.0</b>             | 772.817                  | 772.869     | 772.578     | 772.345     | 773.064     | 775.262     | 778.240     | 775.262     | 773.064     | 772.345     |
| <b>32.5</b>             | 739.920                  | 739.557     | 739.206     | 739.019     | 739.407     | 740.709     | 742.860     | 740.709     | 739.407     | 739.019     |
| <b>35.0</b>             | 701.927                  | 701.311     | 700.503     | 700.010     | 700.254     | 701.416     | 703.276     | 701.416     | 700.254     | 700.010     |
| <b>37.5</b>             | 658.574                  | 657.676     | 656.592     | 656.032     | 656.455     | 657.930     | 660.002     | 657.930     | 656.455     | 656.032     |
| <b>40.0</b>             | 611.037                  | 609.914     | 608.808     | 608.443     | 609.089     | 610.590     | 612.393     | 610.590     | 609.089     | 608.443     |
| <b>42.5</b>             | 560.807                  | 559.677     | 558.659     | 558.446     | 558.988     | 559.846     | 560.550     | 559.846     | 558.988     | 558.446     |
| <b>45.0</b>             | 508.550                  | 507.677     | 506.790     | 506.301     | 506.263     | 506.582     | 507.215     | 506.582     | 506.263     | 506.301     |
| <b>47.5</b>             | 454.633                  | 453.688     | 453.130     | 452.786     | 452.865     | 453.531     | 454.478     | 453.531     | 452.865     | 452.786     |
| <b>50.0</b>             | 402.632                  | 401.982     | 401.468     | 401.057     | 401.087     | 401.846     | 403.152     | 401.846     | 401.087     | 401.057     |
| <b>52.5</b>             | 352.600                  | 351.855     | 351.501     | 351.347     | 351.508     | 352.145     | 353.206     | 352.145     | 351.508     | 351.347     |
| <b>55.0</b>             | 305.388                  | 304.436     | 304.159     | 304.259     | 304.640     | 305.245     | 305.896     | 305.245     | 304.640     | 304.259     |
| <b>57.5</b>             | 261.611                  | 260.701     | 260.252     | 260.314     | 260.814     | 261.539     | 262.104     | 261.539     | 260.814     | 260.314     |
| <b>60.0</b>             | 220.600                  | 219.504     | 219.121     | 219.491     | 220.065     | 220.374     | 220.682     | 220.374     | 220.065     | 219.491     |
| <b>62.5</b>             | 184.124                  | 183.357     | 183.039     | 183.160     | 183.556     | 184.055     | 184.634     | 184.055     | 183.556     | 183.160     |
| <b>65.0</b>             | 151.442                  | 150.922     | 150.654     | 150.616     | 150.903     | 151.546     | 152.338     | 151.546     | 150.903     | 150.616     |
| <b>67.5</b>             | 122.316                  | 121.588     | 121.422     | 121.628     | 122.045     | 122.561     | 123.117     | 122.561     | 122.045     | 121.628     |
| <b>70.0</b>             | 96.839                   | 96.080      | 96.001      | 96.350      | 96.819      | 97.209      | 97.585      | 97.209      | 96.819      | 96.350      |
| <b>72.5</b>             | 75.002                   | 74.736      | 74.672      | 74.750      | 74.999      | 75.441      | 76.012      | 75.441      | 74.999      | 74.750      |
| <b>75.0</b>             | 56.259                   | 55.780      | 55.753      | 56.034      | 56.341      | 56.498      | 56.670      | 56.498      | 56.341      | 56.034      |
| <b>77.5</b>             | 41.676                   | 41.282      | 41.180      | 41.339      | 41.581      | 41.784      | 42.069      | 41.784      | 41.581      | 41.339      |
| <b>80.0</b>             | 29.530                   | 29.301      | 29.251      | 29.342      | 29.528      | 29.758      | 29.974      | 29.758      | 29.528      | 29.342      |
| <b>82.5</b>             | 19.832                   | 19.429      | 19.397      | 19.544      | 19.712      | 19.794      | 19.760      | 19.794      | 19.712      | 19.544      |
| <b>85.0</b>             | 12.653                   | 12.105      | 12.000      | 12.098      | 12.201      | 12.197      | 12.112      | 12.197      | 12.201      | 12.098      |
| <b>87.5</b>             | 7.052                    | 6.767       | 6.584       | 6.453       | 6.424       | 6.541       | 6.727       | 6.541       | 6.424       | 6.453       |
| <b>90.0</b>             | 0.000                    | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>92.5</b>             | 0.000                    | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>95.0</b>             | 0.000                    | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>97.5</b>             | 0.000                    | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>100.0</b>            | 0.000                    | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>102.5</b>            | 0.000                    | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>105.0</b>            | 0.000                    | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>107.5</b>            | 0.000                    | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>110.0</b>            | 0.000                    | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>112.5</b>            | 0.000                    | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>115.0</b>            | 0.000                    | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       | 0.000       |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**Vert. Horizontal Angles**  
**Angles**

|      | <u>100.0</u> | <u>102.5</u> | <u>105.0</u> | <u>107.5</u> | <u>110.0</u> | <u>112.5</u> | <u>115.0</u> | <u>117.5</u> | <u>120.0</u> | <u>122.5</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      |
| 2.5  | 913.902      | 914.730      | 915.557      | 915.543      | 915.312      | 914.607      | 914.353      | 915.223      | 916.208      | 916.036      |
| 5.0  | 910.073      | 911.207      | 913.181      | 912.628      | 911.787      | 910.795      | 910.650      | 911.936      | 913.551      | 912.216      |
| 7.5  | 906.187      | 907.069      | 908.977      | 908.258      | 907.375      | 906.533      | 906.461      | 907.598      | 909.275      | 907.461      |
| 10.0 | 901.090      | 901.227      | 902.117      | 901.803      | 901.512      | 901.042      | 900.912      | 901.651      | 903.089      | 901.452      |
| 12.5 | 894.043      | 893.367      | 893.281      | 893.598      | 893.942      | 893.762      | 893.569      | 894.046      | 895.168      | 893.656      |
| 15.0 | 886.130      | 885.596      | 885.253      | 885.698      | 885.692      | 885.469      | 885.472      | 885.907      | 886.301      | 884.504      |
| 17.5 | 875.215      | 875.141      | 876.011      | 875.542      | 875.045      | 874.780      | 874.895      | 875.258      | 875.295      | 873.712      |
| 20.0 | 861.849      | 862.042      | 862.481      | 862.287      | 861.892      | 861.660      | 861.801      | 862.317      | 862.933      | 862.363      |
| 22.5 | 845.276      | 845.514      | 845.539      | 845.976      | 845.933      | 845.971      | 846.501      | 847.610      | 848.877      | 848.286      |
| 25.0 | 824.457      | 824.773      | 825.304      | 826.422      | 826.878      | 827.105      | 827.765      | 829.177      | 830.740      | 829.741      |
| 27.5 | 799.417      | 799.930      | 801.334      | 803.145      | 804.208      | 804.437      | 804.694      | 805.741      | 807.202      | 806.562      |
| 30.0 | 772.578      | 772.869      | 772.817      | 775.300      | 776.919      | 777.778      | 778.596      | 779.884      | 781.116      | 781.304      |
| 32.5 | 739.206      | 739.557      | 739.920      | 742.687      | 744.568      | 745.967      | 747.136      | 748.163      | 748.954      | 750.097      |
| 35.0 | 700.503      | 701.311      | 701.927      | 705.254      | 707.307      | 708.966      | 710.476      | 711.737      | 712.588      | 715.120      |
| 37.5 | 656.592      | 657.676      | 658.574      | 662.280      | 664.897      | 667.026      | 668.964      | 670.709      | 671.977      | 674.749      |
| 40.0 | 608.808      | 609.914      | 611.037      | 614.832      | 618.033      | 620.664      | 622.844      | 624.656      | 626.032      | 628.685      |
| 42.5 | 558.659      | 559.677      | 560.807      | 564.388      | 567.637      | 570.500      | 572.656      | 573.959      | 574.884      | 577.936      |
| 45.0 | 506.790      | 507.677      | 508.550      | 511.460      | 514.164      | 517.105      | 519.634      | 521.137      | 522.147      | 524.800      |
| 47.5 | 453.130      | 453.688      | 454.633      | 456.900      | 459.351      | 461.861      | 464.120      | 465.890      | 467.271      | 469.668      |
| 50.0 | 401.468      | 401.982      | 402.632      | 404.064      | 405.793      | 407.411      | 409.061      | 411.009      | 413.217      | 415.459      |
| 52.5 | 351.501      | 351.855      | 352.600      | 353.182      | 354.305      | 355.296      | 356.335      | 357.844      | 359.881      | 362.021      |
| 55.0 | 304.159      | 304.436      | 305.388      | 305.189      | 305.578      | 306.125      | 306.842      | 307.898      | 309.318      | 310.950      |
| 57.5 | 260.252      | 260.701      | 261.611      | 260.752      | 260.190      | 260.197      | 260.781      | 261.781      | 262.970      | 263.695      |
| 60.0 | 219.121      | 219.504      | 220.600      | 219.299      | 218.614      | 218.125      | 217.909      | 218.176      | 218.895      | 219.648      |
| 62.5 | 183.039      | 183.357      | 184.124      | 182.623      | 181.842      | 181.264      | 180.857      | 180.839      | 181.443      | 181.654      |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 65.0  | 150.654 | 150.922 | 151.442 | 149.695 | 148.671 | 148.032 | 147.676 | 147.619 | 147.881 | 147.516 |
| 67.5  | 121.422 | 121.588 | 122.316 | 120.347 | 119.283 | 118.598 | 118.064 | 117.626 | 117.284 | 117.104 |
| 70.0  | 96.001  | 96.080  | 96.839  | 94.848  | 93.710  | 92.926  | 92.261  | 91.651  | 91.109  | 91.114  |
| 72.5  | 74.672  | 74.736  | 75.002  | 73.256  | 71.907  | 70.991  | 70.454  | 70.191  | 70.082  | 69.663  |
| 75.0  | 55.753  | 55.780  | 56.259  | 54.770  | 53.815  | 52.993  | 52.185  | 51.476  | 51.083  | 50.877  |
| 77.5  | 41.180  | 41.282  | 41.676  | 40.387  | 39.551  | 38.855  | 38.189  | 37.615  | 37.321  | 37.002  |
| 80.0  | 29.251  | 29.301  | 29.530  | 28.577  | 27.934  | 27.400  | 26.923  | 26.531  | 26.257  | 25.972  |
| 82.5  | 19.397  | 19.429  | 19.832  | 19.044  | 18.674  | 18.347  | 17.962  | 17.550  | 17.131  | 17.208  |
| 85.0  | 12.000  | 12.105  | 12.653  | 11.928  | 11.678  | 11.506  | 11.265  | 10.955  | 10.619  | 10.905  |
| 87.5  | 6.584   | 6.767   | 7.052   | 6.524   | 6.202   | 6.085   | 6.105   | 6.182   | 6.282   | 6.310   |
| 90.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 92.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 95.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 97.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 100.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 102.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 105.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 107.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 110.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 112.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 115.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 117.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 120.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 122.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 125.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 127.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 130.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 132.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 135.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 137.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 140.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 142.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 145.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 147.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 150.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 152.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 155.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 157.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 160.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 162.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 165.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 167.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 170.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 172.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 175.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 177.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 180.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |

**Vert. Horizontal Angles**

|      | <u>125.0</u> | <u>127.5</u> | <u>130.0</u> | <u>132.5</u> | <u>135.0</u> | <u>137.5</u> | <u>140.0</u> | <u>142.5</u> | <u>145.0</u> | <u>147.5</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      |
| 2.5  | 915.979      | 917.191      | 918.466      | 918.475      | 918.004      | 917.890      | 917.514      | 916.344      | 915.614      | 916.441      |
| 5.0  | 911.976      | 914.116      | 916.554      | 917.044      | 916.364      | 915.395      | 914.247      | 912.729      | 912.159      | 913.521      |
| 7.5  | 907.146      | 909.414      | 912.034      | 912.651      | 911.966      | 911.024      | 909.837      | 908.341      | 907.759      | 908.986      |
| 10.0 | 901.110      | 903.154      | 905.522      | 906.054      | 905.540      | 905.283      | 904.483      | 902.720      | 901.572      | 902.410      |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 12.5  | 893.285 | 895.462 | 898.046 | 898.725 | 898.402 | 898.602 | 897.791 | 895.244 | 893.289 | 894.007 |
| 15.0  | 884.349 | 887.297 | 890.765 | 891.898 | 891.333 | 891.419 | 889.751 | 886.763 | 884.788 | 885.589 |
| 17.5  | 873.954 | 876.462 | 879.280 | 880.393 | 880.071 | 880.684 | 879.921 | 877.563 | 875.785 | 876.440 |
| 20.0  | 862.623 | 864.327 | 866.211 | 866.930 | 866.849 | 867.204 | 866.722 | 864.850 | 863.321 | 863.779 |
| 22.5  | 848.271 | 849.843 | 851.715 | 852.398 | 852.287 | 852.843 | 852.146 | 850.228 | 848.891 | 849.548 |
| 25.0  | 829.820 | 831.969 | 834.454 | 835.347 | 835.067 | 835.758 | 834.992 | 832.883 | 831.484 | 832.350 |
| 27.5  | 807.386 | 810.375 | 813.412 | 814.357 | 813.833 | 814.069 | 813.610 | 811.618 | 809.961 | 810.509 |
| 30.0  | 782.465 | 786.138 | 789.728 | 790.417 | 789.065 | 789.544 | 788.654 | 786.867 | 785.415 | 785.128 |
| 32.5  | 752.088 | 755.200 | 758.109 | 759.395 | 759.042 | 759.507 | 758.979 | 757.332 | 755.353 | 753.904 |
| 35.0  | 717.572 | 720.119 | 722.097 | 722.888 | 722.802 | 722.763 | 722.298 | 721.204 | 719.585 | 717.762 |
| 37.5  | 677.269 | 679.802 | 681.603 | 681.967 | 681.291 | 681.086 | 680.264 | 679.427 | 678.327 | 676.562 |
| 40.0  | 631.215 | 633.813 | 635.658 | 635.959 | 635.001 | 634.995 | 634.104 | 633.015 | 631.767 | 630.099 |
| 42.5  | 580.656 | 583.006 | 584.535 | 584.935 | 584.592 | 584.849 | 584.497 | 582.927 | 580.836 | 579.078 |
| 45.0  | 527.577 | 530.158 | 531.856 | 532.198 | 531.514 | 531.942 | 531.452 | 529.942 | 527.974 | 526.087 |
| 47.5  | 472.107 | 474.460 | 476.015 | 476.298 | 475.885 | 475.671 | 475.121 | 473.834 | 472.271 | 470.915 |
| 50.0  | 417.492 | 419.317 | 420.600 | 421.110 | 421.173 | 420.899 | 420.077 | 418.533 | 416.809 | 415.391 |
| 52.5  | 363.846 | 365.314 | 366.334 | 366.956 | 367.564 | 366.861 | 366.057 | 364.416 | 362.387 | 360.667 |
| 55.0  | 312.459 | 313.769 | 314.702 | 315.292 | 316.097 | 315.001 | 314.125 | 312.547 | 310.489 | 308.572 |
| 57.5  | 264.588 | 265.639 | 266.534 | 267.108 | 267.787 | 266.694 | 265.428 | 263.891 | 262.171 | 260.426 |
| 60.0  | 220.250 | 220.425 | 220.593 | 221.315 | 222.736 | 220.973 | 219.949 | 218.515 | 216.944 | 215.848 |
| 62.5  | 181.681 | 181.416 | 181.333 | 181.929 | 183.179 | 181.374 | 179.999 | 178.830 | 177.952 | 177.464 |
| 65.0  | 147.187 | 146.789 | 146.592 | 146.926 | 147.867 | 146.464 | 145.220 | 144.300 | 143.771 | 143.608 |
| 67.5  | 116.808 | 116.097 | 115.514 | 115.722 | 116.801 | 115.371 | 114.696 | 114.095 | 113.678 | 113.790 |
| 70.0  | 90.823  | 89.948  | 89.189  | 89.334  | 90.355  | 88.958  | 88.573  | 88.267  | 88.059  | 88.321  |
| 72.5  | 69.127  | 68.489  | 68.052  | 68.092  | 68.528  | 67.616  | 66.967  | 66.835  | 67.007  | 67.236  |
| 75.0  | 50.590  | 49.892  | 49.276  | 49.357  | 50.179  | 49.067  | 48.858  | 48.855  | 48.926  | 49.225  |
| 77.5  | 36.714  | 36.207  | 35.804  | 35.921  | 36.572  | 35.730  | 35.381  | 35.400  | 35.609  | 35.905  |
| 80.0  | 25.686  | 25.357  | 25.145  | 25.223  | 25.565  | 25.097  | 24.858  | 24.905  | 25.109  | 25.335  |
| 82.5  | 17.134  | 16.802  | 16.528  | 16.641  | 17.069  | 16.649  | 16.627  | 16.668  | 16.720  | 16.875  |
| 85.0  | 10.985  | 10.671  | 10.364  | 10.508  | 11.043  | 10.604  | 10.617  | 10.623  | 10.587  | 10.682  |
| 87.5  | 6.282   | 6.171   | 6.088   | 6.162   | 6.418   | 6.204   | 6.025   | 6.000   | 6.054   | 6.091   |
| 90.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 92.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 95.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 97.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 100.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 102.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 105.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 107.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 110.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 112.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 115.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 117.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 120.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 122.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 125.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 127.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 130.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 132.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 135.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 137.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 140.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 142.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 145.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 147.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 150.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

| Vert.<br>Angles | Horizontal Angles |              |              |              |              |              |              |              |              |              |
|-----------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                 | <u>150.0</u>      | <u>152.5</u> | <u>155.0</u> | <u>157.5</u> | <u>160.0</u> | <u>162.5</u> | <u>165.0</u> | <u>167.5</u> | <u>170.0</u> | <u>172.5</u> |
| 0.0             | 917.850           | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      |
| 2.5             | 917.953           | 918.310      | 918.153      | 917.491      | 916.202      | 914.521      | 913.537      | 915.220      | 916.835      | 917.089      |
| 5.0             | 915.632           | 915.010      | 914.420      | 914.304      | 913.649      | 911.525      | 908.621      | 912.410      | 914.838      | 914.978      |
| 7.5             | 910.980           | 909.978      | 909.333      | 909.696      | 909.542      | 907.336      | 903.698      | 908.208      | 910.678      | 910.430      |
| 10.0            | 904.184           | 903.722      | 903.529      | 903.801      | 903.370      | 901.316      | 898.577      | 901.920      | 904.013      | 903.644      |
| 12.5            | 895.945           | 896.213      | 896.609      | 896.444      | 895.460      | 893.934      | 892.799      | 894.111      | 895.672      | 895.605      |
| 15.0            | 887.883           | 887.866      | 888.136      | 888.109      | 887.677      | 886.979      | 886.157      | 887.355      | 887.992      | 887.595      |
| 17.5            | 878.349           | 878.560      | 878.864      | 879.011      | 878.691      | 877.747      | 876.384      | 877.354      | 877.648      | 877.385      |
| 20.0            | 865.405           | 866.073      | 866.694      | 866.970      | 866.688      | 865.709      | 863.940      | 865.457      | 866.076      | 865.983      |
| 22.5            | 851.055           | 851.670      | 851.595      | 851.702      | 851.188      | 849.351      | 847.357      | 849.676      | 850.996      | 850.916      |
| 25.0            | 834.102           | 833.474      | 832.258      | 832.127      | 831.601      | 829.297      | 827.180      | 829.559      | 831.089      | 830.614      |
| 27.5            | 812.429           | 809.962      | 808.215      | 807.900      | 807.786      | 806.553      | 804.644      | 805.865      | 806.516      | 805.224      |
| 30.0            | 785.265           | 783.468      | 781.958      | 780.941      | 780.616      | 780.767      | 780.356      | 780.236      | 779.431      | 777.419      |
| 32.5            | 753.086           | 752.215      | 751.211      | 750.508      | 749.772      | 748.553      | 746.944      | 746.624      | 745.369      | 743.142      |
| 35.0            | 716.182           | 715.269      | 714.283      | 713.625      | 712.724      | 710.967      | 708.617      | 708.268      | 707.089      | 704.484      |
| 37.5            | 674.277           | 673.199      | 671.901      | 671.037      | 669.731      | 667.230      | 664.552      | 663.961      | 662.596      | 659.791      |
| 40.0            | 627.805           | 626.339      | 624.758      | 623.735      | 622.125      | 619.025      | 615.824      | 614.608      | 612.726      | 609.874      |
| 42.5            | 577.523           | 575.386      | 573.685      | 572.628      | 571.110      | 568.136      | 564.230      | 562.136      | 559.668      | 556.776      |
| 45.0            | 524.119           | 521.997      | 519.819      | 518.214      | 516.554      | 514.095      | 511.117      | 508.395      | 505.482      | 502.542      |
| 47.5            | 469.432           | 466.724      | 464.419      | 462.739      | 460.753      | 457.708      | 454.359      | 451.993      | 449.802      | 447.580      |
| 50.0            | 413.936           | 412.082      | 410.090      | 408.065      | 405.656      | 402.714      | 399.941      | 397.956      | 396.016      | 394.146      |
| 52.5            | 359.255           | 358.288      | 357.204      | 355.321      | 352.956      | 350.630      | 348.276      | 346.804      | 345.216      | 343.450      |
| 55.0            | 307.066           | 306.986      | 306.746      | 305.159      | 303.129      | 301.689      | 300.035      | 298.951      | 297.739      | 296.142      |
| 57.5            | 258.759           | 259.732      | 259.819      | 258.290      | 256.518      | 255.835      | 255.384      | 254.468      | 253.493      | 252.315      |
| 60.0            | 215.095           | 216.482      | 217.142      | 216.030      | 214.417      | 213.705      | 213.226      | 212.866      | 212.287      | 211.500      |
| 62.5            | 177.182           | 178.711      | 179.503      | 178.578      | 177.285      | 177.061      | 177.195      | 176.907      | 176.605      | 176.214      |
| 65.0            | 143.705           | 144.966      | 145.697      | 145.214      | 144.508      | 144.646      | 145.177      | 145.006      | 144.953      | 144.803      |
| 67.5            | 114.449           | 115.553      | 116.376      | 116.231      | 115.890      | 116.159      | 116.442      | 116.561      | 116.756      | 116.847      |
| 70.0            | 89.171            | 90.284       | 91.209       | 91.256       | 91.143       | 91.580       | 91.848       | 92.219       | 92.553       | 92.820       |
| 72.5            | 67.676            | 68.806       | 69.698       | 69.915       | 70.079       | 70.824       | 71.746       | 72.163       | 72.506       | 72.814       |
| 75.0            | 49.892            | 50.936       | 51.994       | 52.490       | 52.808       | 53.397       | 53.876       | 54.407       | 54.910       | 55.253       |
| 77.5            | 36.387            | 37.474       | 38.335       | 38.745       | 39.058       | 39.647       | 40.354       | 40.742       | 41.103       | 41.388       |
| 80.0            | 25.621            | 26.453       | 27.168       | 27.534       | 27.845       | 28.402       | 28.996       | 29.275       | 29.546       | 29.769       |
| 82.5            | 17.244            | 17.843       | 18.421       | 18.702       | 18.897       | 19.212       | 19.349       | 19.614       | 19.831       | 19.960       |
| 85.0            | 11.064            | 11.481       | 11.865       | 12.030       | 12.109       | 12.222       | 12.126       | 12.337       | 12.470       | 12.499       |
| 87.5            | 6.162             | 6.376        | 6.510        | 6.573        | 6.641        | 6.776        | 6.933        | 6.975        | 6.983        | 6.958        |
| 90.0            | 0.000             | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| 92.5            | 0.000             | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| 95.0            | 0.000             | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| 97.5            | 0.000             | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**Vert. Angles**      **Horizontal Angles**

|      | <b>175.0</b> | <b>177.5</b> | <b>180.0</b> | <b>182.5</b> | <b>185.0</b> | <b>187.5</b> | <b>190.0</b> | <b>192.5</b> | <b>195.0</b> | <b>197.5</b> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      |
| 2.5  | 916.150      | 914.812      | 913.657      | 914.812      | 916.150      | 917.089      | 916.835      | 915.220      | 913.537      | 914.521      |
| 5.0  | 913.569      | 911.815      | 910.189      | 911.815      | 913.569      | 914.978      | 914.838      | 912.410      | 908.621      | 911.525      |
| 7.5  | 908.745      | 907.139      | 905.650      | 907.139      | 908.745      | 910.430      | 910.678      | 908.208      | 903.698      | 907.336      |
| 10.0 | 901.982      | 900.595      | 899.453      | 900.595      | 901.982      | 903.644      | 904.013      | 901.920      | 898.577      | 901.316      |
| 12.5 | 894.355      | 893.107      | 892.220      | 893.107      | 894.355      | 895.605      | 895.672      | 894.111      | 892.799      | 893.934      |
| 15.0 | 886.801      | 886.298      | 885.767      | 886.298      | 886.801      | 887.595      | 887.992      | 887.355      | 886.157      | 886.979      |
| 17.5 | 876.987      | 876.772      | 876.541      | 876.772      | 876.987      | 877.385      | 877.648      | 877.354      | 876.384      | 877.747      |
| 20.0 | 865.339      | 864.191      | 862.399      | 864.191      | 865.339      | 865.983      | 866.076      | 865.457      | 863.940      | 865.709      |
| 22.5 | 849.945      | 848.632      | 846.690      | 848.632      | 849.945      | 850.916      | 850.996      | 849.676      | 847.357      | 849.351      |
| 25.0 | 829.076      | 827.803      | 826.776      | 827.803      | 829.076      | 830.614      | 831.089      | 829.559      | 827.180      | 829.297      |
| 27.5 | 802.911      | 801.158      | 800.584      | 801.158      | 802.911      | 805.224      | 806.516      | 805.865      | 804.644      | 806.553      |
| 30.0 | 775.262      | 774.019      | 773.146      | 774.019      | 775.262      | 777.419      | 779.431      | 780.236      | 780.356      | 780.767      |
| 32.5 | 740.857      | 739.484      | 739.153      | 739.484      | 740.857      | 743.142      | 745.369      | 746.624      | 746.944      | 748.553      |
| 35.0 | 701.519      | 699.537      | 698.778      | 699.537      | 701.519      | 704.484      | 707.089      | 708.268      | 708.617      | 710.967      |
| 37.5 | 656.715      | 654.736      | 653.778      | 654.736      | 656.715      | 659.791      | 662.596      | 663.961      | 664.552      | 667.230      |
| 40.0 | 607.112      | 605.476      | 604.574      | 605.476      | 607.112      | 609.874      | 612.726      | 614.608      | 615.824      | 619.025      |
| 42.5 | 554.243      | 552.720      | 551.756      | 552.720      | 554.243      | 556.776      | 559.668      | 562.136      | 564.230      | 568.136      |
| 45.0 | 500.183      | 498.745      | 497.581      | 498.745      | 500.183      | 502.542      | 505.482      | 508.395      | 511.117      | 514.095      |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 47.5  | 445.518 | 443.887 | 442.723 | 443.887 | 445.518 | 447.580 | 449.802 | 451.993 | 454.359 | 457.708 |
| 50.0  | 392.469 | 391.173 | 390.466 | 391.173 | 392.469 | 394.146 | 396.016 | 397.956 | 399.941 | 402.714 |
| 52.5  | 341.882 | 340.976 | 340.934 | 340.976 | 341.882 | 343.450 | 345.216 | 346.804 | 348.276 | 350.630 |
| 55.0  | 294.719 | 294.120 | 294.366 | 294.120 | 294.719 | 296.142 | 297.739 | 298.951 | 300.035 | 301.689 |
| 57.5  | 251.336 | 250.919 | 250.796 | 250.919 | 251.336 | 252.315 | 253.493 | 254.468 | 255.384 | 255.835 |
| 60.0  | 210.747 | 210.213 | 209.734 | 210.213 | 210.747 | 211.500 | 212.287 | 212.866 | 213.226 | 213.705 |
| 62.5  | 175.800 | 175.452 | 175.158 | 175.452 | 175.800 | 176.214 | 176.605 | 176.907 | 177.195 | 177.061 |
| 65.0  | 144.551 | 144.285 | 144.074 | 144.285 | 144.551 | 144.803 | 144.953 | 145.006 | 145.177 | 144.646 |
| 67.5  | 116.698 | 116.387 | 116.370 | 116.387 | 116.698 | 116.847 | 116.756 | 116.561 | 116.442 | 116.159 |
| 70.0  | 92.790  | 92.475  | 92.560  | 92.475  | 92.790  | 92.820  | 92.553  | 92.219  | 91.848  | 91.580  |
| 72.5  | 72.911  | 72.734  | 72.660  | 72.734  | 72.911  | 72.814  | 72.506  | 72.163  | 71.746  | 70.824  |
| 75.0  | 55.355  | 55.235  | 55.047  | 55.235  | 55.355  | 55.253  | 54.910  | 54.407  | 53.876  | 53.397  |
| 77.5  | 41.525  | 41.482  | 41.337  | 41.482  | 41.525  | 41.388  | 41.103  | 40.742  | 40.354  | 39.647  |
| 80.0  | 29.867  | 29.808  | 29.694  | 29.808  | 29.867  | 29.769  | 29.546  | 29.275  | 28.996  | 28.402  |
| 82.5  | 19.934  | 19.782  | 19.739  | 19.782  | 19.934  | 19.960  | 19.831  | 19.614  | 19.349  | 19.212  |
| 85.0  | 12.409  | 12.242  | 12.139  | 12.242  | 12.409  | 12.499  | 12.470  | 12.337  | 12.126  | 12.222  |
| 87.5  | 6.944   | 6.910   | 6.624   | 6.910   | 6.944   | 6.958   | 6.983   | 6.975   | 6.933   | 6.776   |
| 90.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 92.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 95.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 97.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 100.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 102.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 105.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 107.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 110.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 112.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 115.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 117.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 120.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 122.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 125.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 127.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 130.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 132.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 135.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 137.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 140.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 142.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 145.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 147.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 150.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 152.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 155.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 157.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 160.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 162.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 165.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 167.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 170.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 172.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 175.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 177.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 180.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

| <b>Vert.<br/>Angles</b> | <b>Horizontal Angles</b> |              |              |              |              |              |              |              |              |              |
|-------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                         | <b>200.0</b>             | <b>202.5</b> | <b>205.0</b> | <b>207.5</b> | <b>210.0</b> | <b>212.5</b> | <b>215.0</b> | <b>217.5</b> | <b>220.0</b> | <b>222.5</b> |
| <b>0.0</b>              | 917.850                  | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      |
| <b>2.5</b>              | 916.202                  | 917.491      | 918.153      | 918.310      | 917.953      | 916.441      | 915.614      | 916.344      | 917.514      | 917.890      |
| <b>5.0</b>              | 913.649                  | 914.304      | 914.420      | 915.010      | 915.632      | 913.521      | 912.159      | 912.729      | 914.247      | 915.395      |
| <b>7.5</b>              | 909.542                  | 909.696      | 909.333      | 909.978      | 910.980      | 908.986      | 907.759      | 908.341      | 909.837      | 911.024      |
| <b>10.0</b>             | 903.370                  | 903.801      | 903.529      | 903.722      | 904.184      | 902.410      | 901.572      | 902.720      | 904.483      | 905.283      |
| <b>12.5</b>             | 895.460                  | 896.444      | 896.609      | 896.213      | 895.945      | 894.007      | 893.289      | 895.244      | 897.791      | 898.602      |
| <b>15.0</b>             | 887.677                  | 888.109      | 888.136      | 887.866      | 887.883      | 885.589      | 884.788      | 886.763      | 889.751      | 891.419      |
| <b>17.5</b>             | 878.691                  | 879.011      | 878.864      | 878.560      | 878.349      | 876.440      | 875.785      | 877.563      | 879.921      | 880.684      |
| <b>20.0</b>             | 866.688                  | 866.970      | 866.694      | 866.073      | 865.405      | 863.779      | 863.321      | 864.850      | 866.722      | 867.204      |
| <b>22.5</b>             | 851.188                  | 851.702      | 851.595      | 851.670      | 851.055      | 849.548      | 848.891      | 850.228      | 852.146      | 852.843      |
| <b>25.0</b>             | 831.601                  | 832.127      | 832.258      | 833.474      | 834.102      | 832.350      | 831.484      | 832.883      | 834.992      | 835.758      |
| <b>27.5</b>             | 807.786                  | 807.900      | 808.215      | 809.962      | 812.429      | 810.509      | 809.961      | 811.618      | 813.610      | 814.069      |
| <b>30.0</b>             | 780.616                  | 780.941      | 781.958      | 783.468      | 785.265      | 785.128      | 785.415      | 786.867      | 788.654      | 789.544      |
| <b>32.5</b>             | 749.772                  | 750.508      | 751.211      | 752.215      | 753.086      | 753.904      | 755.353      | 757.332      | 758.979      | 759.507      |
| <b>35.0</b>             | 712.724                  | 713.625      | 714.283      | 715.269      | 716.182      | 717.762      | 719.585      | 721.204      | 722.298      | 722.763      |
| <b>37.5</b>             | 669.731                  | 671.037      | 671.901      | 673.199      | 674.277      | 676.562      | 678.327      | 679.427      | 680.264      | 681.086      |
| <b>40.0</b>             | 622.125                  | 623.735      | 624.758      | 626.339      | 627.805      | 630.099      | 631.767      | 633.015      | 634.104      | 634.995      |
| <b>42.5</b>             | 571.110                  | 572.628      | 573.685      | 575.386      | 577.523      | 579.078      | 580.836      | 582.927      | 584.497      | 584.849      |
| <b>45.0</b>             | 516.554                  | 518.214      | 519.819      | 521.997      | 524.119      | 526.087      | 527.974      | 529.942      | 531.452      | 531.942      |
| <b>47.5</b>             | 460.753                  | 462.739      | 464.419      | 466.724      | 469.432      | 470.915      | 472.271      | 473.834      | 475.121      | 475.671      |
| <b>50.0</b>             | 405.656                  | 408.065      | 410.090      | 412.082      | 413.936      | 415.391      | 416.809      | 418.533      | 420.077      | 420.899      |
| <b>52.5</b>             | 352.956                  | 355.321      | 357.204      | 358.288      | 359.255      | 360.667      | 362.387      | 364.416      | 366.057      | 366.861      |
| <b>55.0</b>             | 303.129                  | 305.159      | 306.746      | 306.986      | 307.066      | 308.572      | 310.489      | 312.547      | 314.125      | 315.001      |
| <b>57.5</b>             | 256.518                  | 258.290      | 259.819      | 259.732      | 258.759      | 260.426      | 262.171      | 263.891      | 265.428      | 266.694      |
| <b>60.0</b>             | 214.417                  | 216.030      | 217.142      | 216.482      | 215.095      | 215.848      | 216.944      | 218.515      | 219.949      | 220.973      |
| <b>62.5</b>             | 177.285                  | 178.578      | 179.503      | 178.711      | 177.182      | 177.464      | 177.952      | 178.830      | 179.999      | 181.374      |
| <b>65.0</b>             | 144.508                  | 145.214      | 145.697      | 144.966      | 143.705      | 143.608      | 143.771      | 144.300      | 145.220      | 146.464      |
| <b>67.5</b>             | 115.890                  | 116.231      | 116.376      | 115.553      | 114.449      | 113.790      | 113.678      | 114.095      | 114.696      | 115.371      |
| <b>70.0</b>             | 91.143                   | 91.256       | 91.209       | 90.284       | 89.171       | 88.321       | 88.059       | 88.267       | 88.573       | 88.958       |
| <b>72.5</b>             | 70.079                   | 69.915       | 69.698       | 68.806       | 67.676       | 67.236       | 67.007       | 66.835       | 66.967       | 67.616       |
| <b>75.0</b>             | 52.808                   | 52.490       | 51.994       | 50.936       | 49.892       | 49.225       | 48.926       | 48.855       | 48.858       | 49.067       |
| <b>77.5</b>             | 39.058                   | 38.745       | 38.335       | 37.474       | 36.387       | 35.905       | 35.609       | 35.400       | 35.381       | 35.730       |
| <b>80.0</b>             | 27.845                   | 27.534       | 27.168       | 26.453       | 25.621       | 25.335       | 25.109       | 24.905       | 24.858       | 25.097       |
| <b>82.5</b>             | 18.897                   | 18.702       | 18.421       | 17.843       | 17.244       | 16.875       | 16.720       | 16.668       | 16.627       | 16.649       |
| <b>85.0</b>             | 12.109                   | 12.030       | 11.865       | 11.481       | 11.064       | 10.682       | 10.587       | 10.623       | 10.617       | 10.604       |
| <b>87.5</b>             | 6.641                    | 6.573        | 6.510        | 6.376        | 6.162        | 6.091        | 6.054        | 6.000        | 6.025        | 6.204        |
| <b>90.0</b>             | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>92.5</b>             | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>95.0</b>             | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>97.5</b>             | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>100.0</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>102.5</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>105.0</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>107.5</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>110.0</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>112.5</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>115.0</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>117.5</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>120.0</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>122.5</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>125.0</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>127.5</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>130.0</b>            | 0.000                    | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**Vert.  
Angles**

**Horizontal Angles**

|      | <u>225.0</u> | <u>227.5</u> | <u>230.0</u> | <u>232.5</u> | <u>235.0</u> | <u>237.5</u> | <u>240.0</u> | <u>242.5</u> | <u>245.0</u> | <u>247.5</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      |
| 2.5  | 918.004      | 918.475      | 918.466      | 917.191      | 915.979      | 916.036      | 916.208      | 915.223      | 914.353      | 914.607      |
| 5.0  | 916.364      | 917.044      | 916.554      | 914.116      | 911.976      | 912.216      | 913.551      | 911.936      | 910.650      | 910.795      |
| 7.5  | 911.966      | 912.651      | 912.034      | 909.414      | 907.146      | 907.461      | 909.275      | 907.598      | 906.461      | 906.533      |
| 10.0 | 905.540      | 906.054      | 905.522      | 903.154      | 901.110      | 901.452      | 903.089      | 901.651      | 900.912      | 901.042      |
| 12.5 | 898.402      | 898.725      | 898.046      | 895.462      | 893.285      | 893.656      | 895.168      | 894.046      | 893.569      | 893.762      |
| 15.0 | 891.333      | 891.898      | 890.765      | 887.297      | 884.349      | 884.504      | 886.301      | 885.907      | 885.472      | 885.469      |
| 17.5 | 880.071      | 880.393      | 879.280      | 876.462      | 873.954      | 873.712      | 875.295      | 875.258      | 874.895      | 874.780      |
| 20.0 | 866.849      | 866.930      | 866.211      | 864.327      | 862.623      | 862.363      | 862.933      | 862.317      | 861.801      | 861.660      |
| 22.5 | 852.287      | 852.398      | 851.715      | 849.843      | 848.271      | 848.286      | 848.877      | 847.610      | 846.501      | 845.971      |
| 25.0 | 835.067      | 835.347      | 834.454      | 831.969      | 829.820      | 829.741      | 830.740      | 829.177      | 827.765      | 827.105      |
| 27.5 | 813.833      | 814.357      | 813.412      | 810.375      | 807.386      | 806.562      | 807.202      | 805.741      | 804.694      | 804.437      |
| 30.0 | 789.065      | 790.417      | 789.728      | 786.138      | 782.465      | 781.304      | 781.116      | 779.884      | 778.596      | 777.778      |
| 32.5 | 759.042      | 759.395      | 758.109      | 755.200      | 752.088      | 750.097      | 748.954      | 748.163      | 747.136      | 745.967      |
| 35.0 | 722.802      | 722.888      | 722.097      | 720.119      | 717.572      | 715.120      | 712.588      | 711.737      | 710.476      | 708.966      |
| 37.5 | 681.291      | 681.967      | 681.603      | 679.802      | 677.269      | 674.749      | 671.977      | 670.709      | 668.964      | 667.026      |
| 40.0 | 635.001      | 635.959      | 635.658      | 633.813      | 631.215      | 628.685      | 626.032      | 624.656      | 622.844      | 620.664      |
| 42.5 | 584.592      | 584.935      | 584.535      | 583.006      | 580.656      | 577.936      | 574.884      | 573.959      | 572.656      | 570.500      |
| 45.0 | 531.514      | 532.198      | 531.856      | 530.158      | 527.577      | 524.800      | 522.147      | 521.137      | 519.634      | 517.105      |
| 47.5 | 475.885      | 476.298      | 476.015      | 474.460      | 472.107      | 469.668      | 467.271      | 465.890      | 464.120      | 461.861      |
| 50.0 | 421.173      | 421.110      | 420.600      | 419.317      | 417.492      | 415.459      | 413.217      | 411.009      | 409.061      | 407.411      |
| 52.5 | 367.564      | 366.956      | 366.334      | 365.314      | 363.846      | 362.021      | 359.881      | 357.844      | 356.335      | 355.296      |
| 55.0 | 316.097      | 315.292      | 314.702      | 313.769      | 312.459      | 310.950      | 309.318      | 307.898      | 306.842      | 306.125      |
| 57.5 | 267.787      | 267.108      | 266.534      | 265.639      | 264.588      | 263.695      | 262.970      | 261.781      | 260.781      | 260.197      |
| 60.0 | 222.736      | 221.315      | 220.593      | 220.425      | 220.250      | 219.648      | 218.895      | 218.176      | 217.909      | 218.125      |
| 62.5 | 183.179      | 181.929      | 181.333      | 181.416      | 181.681      | 181.654      | 181.443      | 180.839      | 180.857      | 181.264      |
| 65.0 | 147.867      | 146.926      | 146.592      | 146.789      | 147.187      | 147.516      | 147.881      | 147.619      | 147.676      | 148.032      |
| 67.5 | 116.801      | 115.722      | 115.514      | 116.097      | 116.808      | 117.104      | 117.284      | 117.626      | 118.064      | 118.598      |
| 70.0 | 90.355       | 89.334       | 89.189       | 89.948       | 90.823       | 91.114       | 91.109       | 91.651       | 92.261       | 92.926       |
| 72.5 | 68.528       | 68.092       | 68.052       | 68.489       | 69.127       | 69.663       | 70.082       | 70.191       | 70.454       | 70.991       |
| 75.0 | 50.179       | 49.357       | 49.276       | 49.892       | 50.590       | 50.877       | 51.083       | 51.476       | 52.185       | 52.993       |
| 77.5 | 36.572       | 35.921       | 35.804       | 36.207       | 36.714       | 37.002       | 37.321       | 37.615       | 38.189       | 38.855       |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 80.0  | 25.565 | 25.223 | 25.145 | 25.357 | 25.686 | 25.972 | 26.257 | 26.531 | 26.923 | 27.400 |
| 82.5  | 17.069 | 16.641 | 16.528 | 16.802 | 17.134 | 17.208 | 17.131 | 17.550 | 17.962 | 18.347 |
| 85.0  | 11.043 | 10.508 | 10.364 | 10.671 | 10.985 | 10.905 | 10.619 | 10.955 | 11.265 | 11.506 |
| 87.5  | 6.418  | 6.162  | 6.088  | 6.171  | 6.282  | 6.310  | 6.282  | 6.182  | 6.105  | 6.085  |
| 90.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 92.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 95.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 97.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 100.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 102.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 105.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 107.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 110.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 112.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 115.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 117.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 120.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 122.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 125.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 127.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 130.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 132.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 135.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 137.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 140.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 142.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 145.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 147.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 150.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 152.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 155.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 157.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 160.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 162.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 165.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 167.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 170.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 172.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 175.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 177.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 180.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |

**Vert. Horizontal Angles**  
**Angles**

|      | <u>250.0</u> | <u>252.5</u> | <u>255.0</u> | <u>257.5</u> | <u>260.0</u> | <u>262.5</u> | <u>265.0</u> | <u>267.5</u> | <u>270.0</u> | <u>272.5</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      |
| 2.5  | 915.312      | 915.543      | 915.557      | 914.730      | 913.902      | 914.196      | 915.728      | 917.988      | 920.213      | 917.988      |
| 5.0  | 911.787      | 912.628      | 913.181      | 911.207      | 910.073      | 911.096      | 913.934      | 917.538      | 921.110      | 917.538      |
| 7.5  | 907.375      | 908.258      | 908.977      | 907.069      | 906.187      | 907.437      | 910.651      | 914.936      | 919.206      | 914.936      |
| 10.0 | 901.512      | 901.803      | 902.117      | 901.227      | 901.090      | 902.213      | 904.997      | 909.389      | 914.529      | 909.389      |
| 12.5 | 893.942      | 893.598      | 893.281      | 893.367      | 894.043      | 895.131      | 897.330      | 901.434      | 907.556      | 901.434      |
| 15.0 | 885.692      | 885.698      | 885.253      | 885.596      | 886.130      | 887.215      | 889.553      | 893.487      | 898.296      | 893.487      |
| 17.5 | 875.045      | 875.542      | 876.011      | 875.141      | 875.215      | 876.415      | 878.502      | 881.168      | 884.380      | 881.168      |
| 20.0 | 861.892      | 862.287      | 862.481      | 862.042      | 861.849      | 862.492      | 864.049      | 866.340      | 869.164      | 866.340      |
| 22.5 | 845.933      | 845.976      | 845.539      | 845.514      | 845.276      | 845.591      | 846.820      | 848.990      | 851.866      | 848.990      |
| 25.0 | 826.878      | 826.422      | 825.304      | 824.773      | 824.457      | 824.832      | 826.101      | 828.201      | 830.809      | 828.201      |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 27.5  | 804.208 | 803.145 | 801.334 | 799.930 | 799.417 | 799.852 | 801.244 | 803.342 | 805.422 | 803.342 |
| 30.0  | 776.919 | 775.300 | 772.817 | 772.869 | 772.578 | 772.345 | 773.064 | 775.262 | 778.240 | 775.262 |
| 32.5  | 744.568 | 742.687 | 739.920 | 739.557 | 739.206 | 739.019 | 739.407 | 740.709 | 742.860 | 740.709 |
| 35.0  | 707.307 | 705.254 | 701.927 | 701.311 | 700.503 | 700.010 | 700.254 | 701.416 | 703.276 | 701.416 |
| 37.5  | 664.897 | 662.280 | 658.574 | 657.676 | 656.592 | 656.032 | 656.455 | 657.930 | 660.002 | 657.930 |
| 40.0  | 618.033 | 614.832 | 611.037 | 609.914 | 608.808 | 608.443 | 609.089 | 610.590 | 612.393 | 610.590 |
| 42.5  | 567.637 | 564.388 | 560.807 | 559.677 | 558.659 | 558.446 | 558.988 | 559.846 | 560.550 | 559.846 |
| 45.0  | 514.164 | 511.460 | 508.550 | 507.677 | 506.790 | 506.301 | 506.263 | 506.582 | 507.215 | 506.582 |
| 47.5  | 459.351 | 456.900 | 454.633 | 453.688 | 453.130 | 452.786 | 452.865 | 453.531 | 454.478 | 453.531 |
| 50.0  | 405.793 | 404.064 | 402.632 | 401.982 | 401.468 | 401.057 | 401.087 | 401.846 | 403.152 | 401.846 |
| 52.5  | 354.305 | 353.182 | 352.600 | 351.855 | 351.501 | 351.347 | 351.508 | 352.145 | 353.206 | 352.145 |
| 55.0  | 305.578 | 305.189 | 305.388 | 304.436 | 304.159 | 304.259 | 304.640 | 305.245 | 305.896 | 305.245 |
| 57.5  | 260.190 | 260.752 | 261.611 | 260.701 | 260.252 | 260.314 | 260.814 | 261.539 | 262.104 | 261.539 |
| 60.0  | 218.614 | 219.299 | 220.600 | 219.504 | 219.121 | 219.491 | 220.065 | 220.374 | 220.682 | 220.374 |
| 62.5  | 181.842 | 182.623 | 184.124 | 183.357 | 183.039 | 183.160 | 183.556 | 184.055 | 184.634 | 184.055 |
| 65.0  | 148.671 | 149.695 | 151.442 | 150.922 | 150.654 | 150.616 | 150.903 | 151.546 | 152.338 | 151.546 |
| 67.5  | 119.283 | 120.347 | 122.316 | 121.588 | 121.422 | 121.628 | 122.045 | 122.561 | 123.117 | 122.561 |
| 70.0  | 93.710  | 94.848  | 96.839  | 96.080  | 96.001  | 96.350  | 96.819  | 97.209  | 97.585  | 97.209  |
| 72.5  | 71.907  | 73.256  | 75.002  | 74.736  | 74.672  | 74.750  | 74.999  | 75.441  | 76.012  | 75.441  |
| 75.0  | 53.815  | 54.770  | 56.259  | 55.780  | 55.753  | 56.034  | 56.341  | 56.498  | 56.670  | 56.498  |
| 77.5  | 39.551  | 40.387  | 41.676  | 41.282  | 41.180  | 41.339  | 41.581  | 41.784  | 42.069  | 41.784  |
| 80.0  | 27.934  | 28.577  | 29.530  | 29.301  | 29.251  | 29.342  | 29.528  | 29.758  | 29.974  | 29.758  |
| 82.5  | 18.674  | 19.044  | 19.832  | 19.429  | 19.397  | 19.544  | 19.712  | 19.794  | 19.760  | 19.794  |
| 85.0  | 11.678  | 11.928  | 12.653  | 12.105  | 12.000  | 12.098  | 12.201  | 12.197  | 12.112  | 12.197  |
| 87.5  | 6.202   | 6.524   | 7.052   | 6.767   | 6.584   | 6.453   | 6.424   | 6.541   | 6.727   | 6.541   |
| 90.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 92.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 95.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 97.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 100.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 102.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 105.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 107.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 110.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 112.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 115.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 117.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 120.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 122.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 125.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 127.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 130.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 132.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 135.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 137.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 140.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 142.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 145.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 147.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 150.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 152.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 155.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 157.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 160.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 162.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 165.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|              |       |       |       |       |       |       |       |       |       |       |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>167.5</b> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| <b>170.0</b> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| <b>172.5</b> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| <b>175.0</b> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| <b>177.5</b> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| <b>180.0</b> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**Vert. Angles**      **Horizontal Angles**

|              | <u><b>275.0</b></u> | <u><b>277.5</b></u> | <u><b>280.0</b></u> | <u><b>282.5</b></u> | <u><b>285.0</b></u> | <u><b>287.5</b></u> | <u><b>290.0</b></u> | <u><b>292.5</b></u> | <u><b>295.0</b></u> | <u><b>297.5</b></u> |
|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>0.0</b>   | 917.850             | 917.850             | 917.850             | 917.850             | 917.850             | 917.850             | 917.850             | 917.850             | 917.850             | 917.850             |
| <b>2.5</b>   | 915.728             | 914.196             | 913.902             | 914.730             | 915.557             | 915.543             | 915.312             | 914.607             | 914.353             | 915.223             |
| <b>5.0</b>   | 913.934             | 911.096             | 910.073             | 911.207             | 913.181             | 912.628             | 911.787             | 910.795             | 910.650             | 911.936             |
| <b>7.5</b>   | 910.651             | 907.437             | 906.187             | 907.069             | 908.977             | 908.258             | 907.375             | 906.533             | 906.461             | 907.598             |
| <b>10.0</b>  | 904.997             | 902.213             | 901.090             | 901.227             | 902.117             | 901.803             | 901.512             | 901.042             | 900.912             | 901.651             |
| <b>12.5</b>  | 897.330             | 895.131             | 894.043             | 893.367             | 893.281             | 893.598             | 893.942             | 893.762             | 893.569             | 894.046             |
| <b>15.0</b>  | 889.553             | 887.215             | 886.130             | 885.596             | 885.253             | 885.698             | 885.692             | 885.469             | 885.472             | 885.907             |
| <b>17.5</b>  | 878.502             | 876.415             | 875.215             | 875.141             | 876.011             | 875.542             | 875.045             | 874.780             | 874.895             | 875.258             |
| <b>20.0</b>  | 864.049             | 862.492             | 861.849             | 862.042             | 862.481             | 862.287             | 861.892             | 861.660             | 861.801             | 862.317             |
| <b>22.5</b>  | 846.820             | 845.591             | 845.276             | 845.514             | 845.539             | 845.976             | 845.933             | 845.971             | 846.501             | 847.610             |
| <b>25.0</b>  | 826.101             | 824.832             | 824.457             | 824.773             | 825.304             | 826.422             | 826.878             | 827.105             | 827.765             | 829.177             |
| <b>27.5</b>  | 801.244             | 799.852             | 799.417             | 799.930             | 801.334             | 803.145             | 804.208             | 804.437             | 804.694             | 805.741             |
| <b>30.0</b>  | 773.064             | 772.345             | 772.578             | 772.869             | 772.817             | 775.300             | 776.919             | 777.778             | 778.596             | 779.884             |
| <b>32.5</b>  | 739.407             | 739.019             | 739.206             | 739.557             | 739.920             | 742.687             | 744.568             | 745.967             | 747.136             | 748.163             |
| <b>35.0</b>  | 700.254             | 700.010             | 700.503             | 701.311             | 701.927             | 705.254             | 707.307             | 708.966             | 710.476             | 711.737             |
| <b>37.5</b>  | 656.455             | 656.032             | 656.592             | 657.676             | 658.574             | 662.280             | 664.897             | 667.026             | 668.964             | 670.709             |
| <b>40.0</b>  | 609.089             | 608.443             | 608.808             | 609.914             | 611.037             | 614.832             | 618.033             | 620.664             | 622.844             | 624.656             |
| <b>42.5</b>  | 558.988             | 558.446             | 558.659             | 559.677             | 560.807             | 564.388             | 567.637             | 570.500             | 572.656             | 573.959             |
| <b>45.0</b>  | 506.263             | 506.301             | 506.790             | 507.677             | 508.550             | 511.460             | 514.164             | 517.105             | 519.634             | 521.137             |
| <b>47.5</b>  | 452.865             | 452.786             | 453.130             | 453.688             | 454.633             | 456.900             | 459.351             | 461.861             | 464.120             | 465.890             |
| <b>50.0</b>  | 401.087             | 401.057             | 401.468             | 401.982             | 402.632             | 404.064             | 405.793             | 407.411             | 409.061             | 411.009             |
| <b>52.5</b>  | 351.508             | 351.347             | 351.501             | 351.855             | 352.600             | 353.182             | 354.305             | 355.296             | 356.335             | 357.844             |
| <b>55.0</b>  | 304.640             | 304.259             | 304.159             | 304.436             | 305.388             | 305.189             | 305.578             | 306.125             | 306.842             | 307.898             |
| <b>57.5</b>  | 260.814             | 260.314             | 260.252             | 260.701             | 261.611             | 260.752             | 260.190             | 260.197             | 260.781             | 261.781             |
| <b>60.0</b>  | 220.065             | 219.491             | 219.121             | 219.504             | 220.600             | 219.299             | 218.614             | 218.125             | 217.909             | 218.176             |
| <b>62.5</b>  | 183.556             | 183.160             | 183.039             | 183.357             | 184.124             | 182.623             | 181.842             | 181.264             | 180.857             | 180.839             |
| <b>65.0</b>  | 150.903             | 150.616             | 150.654             | 150.922             | 151.442             | 149.695             | 148.671             | 148.032             | 147.676             | 147.619             |
| <b>67.5</b>  | 122.045             | 121.628             | 121.422             | 121.588             | 122.316             | 120.347             | 119.283             | 118.598             | 118.064             | 117.626             |
| <b>70.0</b>  | 96.819              | 96.350              | 96.001              | 96.080              | 96.839              | 94.848              | 93.710              | 92.926              | 92.261              | 91.651              |
| <b>72.5</b>  | 74.999              | 74.750              | 74.672              | 74.736              | 75.002              | 73.256              | 71.907              | 70.991              | 70.454              | 70.191              |
| <b>75.0</b>  | 56.341              | 56.034              | 55.753              | 55.780              | 56.259              | 54.770              | 53.815              | 52.993              | 52.185              | 51.476              |
| <b>77.5</b>  | 41.581              | 41.339              | 41.180              | 41.282              | 41.676              | 40.387              | 39.551              | 38.855              | 38.189              | 37.615              |
| <b>80.0</b>  | 29.528              | 29.342              | 29.251              | 29.301              | 29.530              | 28.577              | 27.934              | 27.400              | 26.923              | 26.531              |
| <b>82.5</b>  | 19.712              | 19.544              | 19.397              | 19.429              | 19.832              | 19.044              | 18.674              | 18.347              | 17.962              | 17.550              |
| <b>85.0</b>  | 12.201              | 12.098              | 12.000              | 12.105              | 12.653              | 11.928              | 11.678              | 11.506              | 11.265              | 10.955              |
| <b>87.5</b>  | 6.424               | 6.453               | 6.584               | 6.767               | 7.052               | 6.524               | 6.202               | 6.085               | 6.105               | 6.182               |
| <b>90.0</b>  | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               |
| <b>92.5</b>  | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               |
| <b>95.0</b>  | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               |
| <b>97.5</b>  | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               |
| <b>100.0</b> | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               |
| <b>102.5</b> | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               |
| <b>105.0</b> | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               |
| <b>107.5</b> | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               |
| <b>110.0</b> | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               |
| <b>112.5</b> | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               | 0.000               |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**Vert. Horizontal Angles**  
**Angles**

|      | <u>300.0</u> | <u>302.5</u> | <u>305.0</u> | <u>307.5</u> | <u>310.0</u> | <u>312.5</u> | <u>315.0</u> | <u>317.5</u> | <u>320.0</u> | <u>322.5</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      |
| 2.5  | 916.208      | 916.036      | 915.979      | 917.191      | 918.466      | 918.475      | 918.004      | 917.890      | 917.514      | 916.344      |
| 5.0  | 913.551      | 912.216      | 911.976      | 914.116      | 916.554      | 917.044      | 916.364      | 915.395      | 914.247      | 912.729      |
| 7.5  | 909.275      | 907.461      | 907.146      | 909.414      | 912.034      | 912.651      | 911.966      | 911.024      | 909.837      | 908.341      |
| 10.0 | 903.089      | 901.452      | 901.110      | 903.154      | 905.522      | 906.054      | 905.540      | 905.283      | 904.483      | 902.720      |
| 12.5 | 895.168      | 893.656      | 893.285      | 895.462      | 898.046      | 898.725      | 898.402      | 898.602      | 897.791      | 895.244      |
| 15.0 | 886.301      | 884.504      | 884.349      | 887.297      | 890.765      | 891.898      | 891.333      | 891.419      | 889.751      | 886.763      |
| 17.5 | 875.295      | 873.712      | 873.954      | 876.462      | 879.280      | 880.393      | 880.071      | 880.684      | 879.921      | 877.563      |
| 20.0 | 862.933      | 862.363      | 862.623      | 864.327      | 866.211      | 866.930      | 866.849      | 867.204      | 866.722      | 864.850      |
| 22.5 | 848.877      | 848.286      | 848.271      | 849.843      | 851.715      | 852.398      | 852.287      | 852.843      | 852.146      | 850.228      |
| 25.0 | 830.740      | 829.741      | 829.820      | 831.969      | 834.454      | 835.347      | 835.067      | 835.758      | 834.992      | 832.883      |
| 27.5 | 807.202      | 806.562      | 807.386      | 810.375      | 813.412      | 814.357      | 813.833      | 814.069      | 813.610      | 811.618      |
| 30.0 | 781.116      | 781.304      | 782.465      | 786.138      | 789.728      | 790.417      | 789.065      | 789.544      | 788.654      | 786.867      |
| 32.5 | 748.954      | 750.097      | 752.088      | 755.200      | 758.109      | 759.395      | 759.042      | 759.507      | 758.979      | 757.332      |
| 35.0 | 712.588      | 715.120      | 717.572      | 720.119      | 722.097      | 722.888      | 722.802      | 722.763      | 722.298      | 721.204      |
| 37.5 | 671.977      | 674.749      | 677.269      | 679.802      | 681.603      | 681.967      | 681.291      | 681.086      | 680.264      | 679.427      |
| 40.0 | 626.032      | 628.685      | 631.215      | 633.813      | 635.658      | 635.959      | 635.001      | 634.995      | 634.104      | 633.015      |
| 42.5 | 574.884      | 577.936      | 580.656      | 583.006      | 584.535      | 584.935      | 584.592      | 584.849      | 584.497      | 582.927      |
| 45.0 | 522.147      | 524.800      | 527.577      | 530.158      | 531.856      | 532.198      | 531.514      | 531.942      | 531.452      | 529.942      |
| 47.5 | 467.271      | 469.668      | 472.107      | 474.460      | 476.015      | 476.298      | 475.885      | 475.671      | 475.121      | 473.834      |
| 50.0 | 413.217      | 415.459      | 417.492      | 419.317      | 420.600      | 421.110      | 421.173      | 420.899      | 420.077      | 418.533      |
| 52.5 | 359.881      | 362.021      | 363.846      | 365.314      | 366.334      | 366.956      | 367.564      | 366.861      | 366.057      | 364.416      |
| 55.0 | 309.318      | 310.950      | 312.459      | 313.769      | 314.702      | 315.292      | 316.097      | 315.001      | 314.125      | 312.547      |
| 57.5 | 262.970      | 263.695      | 264.588      | 265.639      | 266.534      | 267.108      | 267.787      | 266.694      | 265.428      | 263.891      |
| 60.0 | 218.895      | 219.648      | 220.250      | 220.425      | 220.593      | 221.315      | 222.736      | 220.973      | 219.949      | 218.515      |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 62.5  | 181.443 | 181.654 | 181.681 | 181.416 | 181.333 | 181.929 | 183.179 | 181.374 | 179.999 | 178.830 |
| 65.0  | 147.881 | 147.516 | 147.187 | 146.789 | 146.592 | 146.926 | 147.867 | 146.464 | 145.220 | 144.300 |
| 67.5  | 117.284 | 117.104 | 116.808 | 116.097 | 115.514 | 115.722 | 116.801 | 115.371 | 114.696 | 114.095 |
| 70.0  | 91.109  | 91.114  | 90.823  | 89.948  | 89.189  | 89.334  | 90.355  | 88.958  | 88.573  | 88.267  |
| 72.5  | 70.082  | 69.663  | 69.127  | 68.489  | 68.052  | 68.092  | 68.528  | 67.616  | 66.967  | 66.835  |
| 75.0  | 51.083  | 50.877  | 50.590  | 49.892  | 49.276  | 49.357  | 50.179  | 49.067  | 48.858  | 48.855  |
| 77.5  | 37.321  | 37.002  | 36.714  | 36.207  | 35.804  | 35.921  | 36.572  | 35.730  | 35.381  | 35.400  |
| 80.0  | 26.257  | 25.972  | 25.686  | 25.357  | 25.145  | 25.223  | 25.565  | 25.097  | 24.858  | 24.905  |
| 82.5  | 17.131  | 17.208  | 17.134  | 16.802  | 16.528  | 16.641  | 17.069  | 16.649  | 16.627  | 16.668  |
| 85.0  | 10.619  | 10.905  | 10.985  | 10.671  | 10.364  | 10.508  | 11.043  | 10.604  | 10.617  | 10.623  |
| 87.5  | 6.282   | 6.310   | 6.282   | 6.171   | 6.088   | 6.162   | 6.418   | 6.204   | 6.025   | 6.000   |
| 90.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 92.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 95.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 97.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 100.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 102.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 105.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 107.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 110.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 112.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 115.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 117.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 120.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 122.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 125.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 127.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 130.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 132.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 135.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 137.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 140.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 142.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 145.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 147.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 150.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 152.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 155.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 157.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 160.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 162.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 165.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 167.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 170.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 172.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 175.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 177.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 180.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |

**Vert. Angles**      **Horizontal Angles**

|     | <u>325.0</u> | <u>327.5</u> | <u>330.0</u> | <u>332.5</u> | <u>335.0</u> | <u>337.5</u> | <u>340.0</u> | <u>342.5</u> | <u>345.0</u> | <u>347.5</u> |
|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      |
| 2.5 | 915.614      | 916.441      | 917.953      | 918.310      | 918.153      | 917.491      | 916.202      | 914.521      | 913.537      | 915.220      |
| 5.0 | 912.159      | 913.521      | 915.632      | 915.010      | 914.420      | 914.304      | 913.649      | 911.525      | 908.621      | 912.410      |
| 7.5 | 907.759      | 908.986      | 910.980      | 909.978      | 909.333      | 909.696      | 909.542      | 907.336      | 903.698      | 908.208      |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 10.0  | 901.572 | 902.410 | 904.184 | 903.722 | 903.529 | 903.801 | 903.370 | 901.316 | 898.577 | 901.920 |
| 12.5  | 893.289 | 894.007 | 895.945 | 896.213 | 896.609 | 896.444 | 895.460 | 893.934 | 892.799 | 894.111 |
| 15.0  | 884.788 | 885.589 | 887.883 | 887.866 | 888.136 | 888.109 | 887.677 | 886.979 | 886.157 | 887.355 |
| 17.5  | 875.785 | 876.440 | 878.349 | 878.560 | 878.864 | 879.011 | 878.691 | 877.747 | 876.384 | 877.354 |
| 20.0  | 863.321 | 863.779 | 865.405 | 866.073 | 866.694 | 866.970 | 866.688 | 865.709 | 863.940 | 865.457 |
| 22.5  | 848.891 | 849.548 | 851.055 | 851.670 | 851.595 | 851.702 | 851.188 | 849.351 | 847.357 | 849.676 |
| 25.0  | 831.484 | 832.350 | 834.102 | 833.474 | 832.258 | 832.127 | 831.601 | 829.297 | 827.180 | 829.559 |
| 27.5  | 809.961 | 810.509 | 812.429 | 809.962 | 808.215 | 807.900 | 807.786 | 806.553 | 804.644 | 805.865 |
| 30.0  | 785.415 | 785.128 | 785.265 | 783.468 | 781.958 | 780.941 | 780.616 | 780.767 | 780.356 | 780.236 |
| 32.5  | 755.353 | 753.904 | 753.086 | 752.215 | 751.211 | 750.508 | 749.772 | 748.553 | 746.944 | 746.624 |
| 35.0  | 719.585 | 717.762 | 716.182 | 715.269 | 714.283 | 713.625 | 712.724 | 710.967 | 708.617 | 708.268 |
| 37.5  | 678.327 | 676.562 | 674.277 | 673.199 | 671.901 | 671.037 | 669.731 | 667.230 | 664.552 | 663.961 |
| 40.0  | 631.767 | 630.099 | 627.805 | 626.339 | 624.758 | 623.735 | 622.125 | 619.025 | 615.824 | 614.608 |
| 42.5  | 580.836 | 579.078 | 577.523 | 575.386 | 573.685 | 572.628 | 571.110 | 568.136 | 564.230 | 562.136 |
| 45.0  | 527.974 | 526.087 | 524.119 | 521.997 | 519.819 | 518.214 | 516.554 | 514.095 | 511.117 | 508.395 |
| 47.5  | 472.271 | 470.915 | 469.432 | 466.724 | 464.419 | 462.739 | 460.753 | 457.708 | 454.359 | 451.993 |
| 50.0  | 416.809 | 415.391 | 413.936 | 412.082 | 410.090 | 408.065 | 405.656 | 402.714 | 399.941 | 397.956 |
| 52.5  | 362.387 | 360.667 | 359.255 | 358.288 | 357.204 | 355.321 | 352.956 | 350.630 | 348.276 | 346.804 |
| 55.0  | 310.489 | 308.572 | 307.066 | 306.986 | 306.746 | 305.159 | 303.129 | 301.689 | 300.035 | 298.951 |
| 57.5  | 262.171 | 260.426 | 258.759 | 259.732 | 259.819 | 258.290 | 256.518 | 255.835 | 255.384 | 254.468 |
| 60.0  | 216.944 | 215.848 | 215.095 | 216.482 | 217.142 | 216.030 | 214.417 | 213.705 | 213.226 | 212.866 |
| 62.5  | 177.952 | 177.464 | 177.182 | 178.711 | 179.503 | 178.578 | 177.285 | 177.061 | 177.195 | 176.907 |
| 65.0  | 143.771 | 143.608 | 143.705 | 144.966 | 145.697 | 145.214 | 144.508 | 144.646 | 145.177 | 145.006 |
| 67.5  | 113.678 | 113.790 | 114.449 | 115.553 | 116.376 | 116.231 | 115.890 | 116.159 | 116.442 | 116.561 |
| 70.0  | 88.059  | 88.321  | 89.171  | 90.284  | 91.209  | 91.256  | 91.143  | 91.580  | 91.848  | 92.219  |
| 72.5  | 67.007  | 67.236  | 67.676  | 68.806  | 69.698  | 69.915  | 70.079  | 70.824  | 71.746  | 72.163  |
| 75.0  | 48.926  | 49.225  | 49.892  | 50.936  | 51.994  | 52.490  | 52.808  | 53.397  | 53.876  | 54.407  |
| 77.5  | 35.609  | 35.905  | 36.387  | 37.474  | 38.335  | 38.745  | 39.058  | 39.647  | 40.354  | 40.742  |
| 80.0  | 25.109  | 25.335  | 25.621  | 26.453  | 27.168  | 27.534  | 27.845  | 28.402  | 28.996  | 29.275  |
| 82.5  | 16.720  | 16.875  | 17.244  | 17.843  | 18.421  | 18.702  | 18.897  | 19.212  | 19.349  | 19.614  |
| 85.0  | 10.587  | 10.682  | 11.064  | 11.481  | 11.865  | 12.030  | 12.109  | 12.222  | 12.126  | 12.337  |
| 87.5  | 6.054   | 6.091   | 6.162   | 6.376   | 6.510   | 6.573   | 6.641   | 6.776   | 6.933   | 6.975   |
| 90.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 92.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 95.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 97.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 100.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 102.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 105.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 107.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 110.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 112.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 115.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 117.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 120.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 122.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 125.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 127.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 130.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 132.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 135.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 137.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 140.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 142.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 145.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 147.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**Vert. Horizontal Angles**

|      | <u>350.0</u> | <u>352.5</u> | <u>355.0</u> | <u>357.5</u> | <u>360.0</u> |
|------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 917.850      | 917.850      | 917.850      | 917.850      | 917.850      |
| 2.5  | 916.835      | 917.089      | 916.150      | 914.812      | 913.657      |
| 5.0  | 914.838      | 914.978      | 913.569      | 911.815      | 910.189      |
| 7.5  | 910.678      | 910.430      | 908.745      | 907.139      | 905.650      |
| 10.0 | 904.013      | 903.644      | 901.982      | 900.595      | 899.453      |
| 12.5 | 895.672      | 895.605      | 894.355      | 893.107      | 892.220      |
| 15.0 | 887.992      | 887.595      | 886.801      | 886.298      | 885.767      |
| 17.5 | 877.648      | 877.385      | 876.987      | 876.772      | 876.541      |
| 20.0 | 866.076      | 865.983      | 865.339      | 864.191      | 862.399      |
| 22.5 | 850.996      | 850.916      | 849.945      | 848.632      | 846.690      |
| 25.0 | 831.089      | 830.614      | 829.076      | 827.803      | 826.776      |
| 27.5 | 806.516      | 805.224      | 802.911      | 801.158      | 800.584      |
| 30.0 | 779.431      | 777.419      | 775.262      | 774.019      | 773.146      |
| 32.5 | 745.369      | 743.142      | 740.857      | 739.484      | 739.153      |
| 35.0 | 707.089      | 704.484      | 701.519      | 699.537      | 698.778      |
| 37.5 | 662.596      | 659.791      | 656.715      | 654.736      | 653.778      |
| 40.0 | 612.726      | 609.874      | 607.112      | 605.476      | 604.574      |
| 42.5 | 559.668      | 556.776      | 554.243      | 552.720      | 551.756      |
| 45.0 | 505.482      | 502.542      | 500.183      | 498.745      | 497.581      |
| 47.5 | 449.802      | 447.580      | 445.518      | 443.887      | 442.723      |
| 50.0 | 396.016      | 394.146      | 392.469      | 391.173      | 390.466      |
| 52.5 | 345.216      | 343.450      | 341.882      | 340.976      | 340.934      |
| 55.0 | 297.739      | 296.142      | 294.719      | 294.120      | 294.366      |
| 57.5 | 253.493      | 252.315      | 251.336      | 250.919      | 250.796      |
| 60.0 | 212.287      | 211.500      | 210.747      | 210.213      | 209.734      |
| 62.5 | 176.605      | 176.214      | 175.800      | 175.452      | 175.158      |
| 65.0 | 144.953      | 144.803      | 144.551      | 144.285      | 144.074      |
| 67.5 | 116.756      | 116.847      | 116.698      | 116.387      | 116.370      |
| 70.0 | 92.553       | 92.820       | 92.790       | 92.475       | 92.560       |
| 72.5 | 72.506       | 72.814       | 72.911       | 72.734       | 72.660       |
| 75.0 | 54.910       | 55.253       | 55.355       | 55.235       | 55.047       |
| 77.5 | 41.103       | 41.388       | 41.525       | 41.482       | 41.337       |
| 80.0 | 29.546       | 29.769       | 29.867       | 29.808       | 29.694       |
| 82.5 | 19.831       | 19.960       | 19.934       | 19.782       | 19.739       |
| 85.0 | 12.470       | 12.499       | 12.409       | 12.242       | 12.139       |
| 87.5 | 6.983        | 6.958        | 6.944        | 6.910        | 6.624        |
| 90.0 | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| 92.5 | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| 95.0 | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : F58 2700K 900.IES

CANDELA TABULATION - (Cont.)

|       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|
| 97.5  | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp  | %Fixt  |
|---------|---------|--------|--------|
| 0-20    | 337.47  | 16.40  | 16.40  |
| 0-30    | 719.17  | 35.00  | 35.00  |
| 0-40    | 1161.51 | 56.50  | 56.50  |
| 0-60    | 1834.25 | 89.30  | 89.30  |
| 0-80    | 2040.57 | 99.30  | 99.30  |
| 0-90    | 2054.19 | 100.00 | 100.00 |
| 10-90   | 1967.33 | 95.80  | 95.80  |
| 20-40   | 824.04  | 40.10  | 40.10  |
| 20-50   | 1221.42 | 59.50  | 59.50  |
| 40-70   | 820.61  | 40.00  | 39.90  |
| 60-80   | 206.33  | 10.00  | 10.00  |
| 70-80   | 58.45   | 2.80   | 2.80   |
| 80-90   | 13.62   | 0.70   | 0.70   |
| 90-110  | 0.00    | 0.00   | 0.00   |
| 90-120  | 0.00    | 0.00   | 0.00   |
| 90-130  | 0.00    | 0.00   | 0.00   |
| 90-150  | 0.00    | 0.00   | 0.00   |
| 90-180  | 0.00    | 0.00   | 0.00   |
| 110-180 | 0.00    | 0.00   | 0.00   |
| 0-180   | 2054.19 | 100.00 | 100.00 |

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 86.86  |
| 10-20   | 250.61 |
| 20-30   | 381.70 |
| 30-40   | 442.34 |
| 40-50   | 397.37 |
| 50-60   | 275.36 |
| 60-70   | 147.87 |
| 70-80   | 58.45  |
| 80-90   | 13.62  |
| 90-100  | 0.00   |
| 100-110 | 0.00   |
| 110-120 | 0.00   |
| 120-130 | 0.00   |
| 130-140 | 0.00   |
| 140-150 | 0.00   |
| 150-160 | 0.00   |
| 160-170 | 0.00   |
| 170-180 | 0.00   |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

| RC | 80  |     |     |     | 70  |     |     |     | 50  |     |     | 30  |     |     | 10  |     |     | 0   |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| 0  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1  | 111 | 107 | 103 | 100 | 108 | 104 | 101 | 98  | 100 | 98  | 95  | 96  | 94  | 92  | 93  | 91  | 90  | 88  |
| 2  | 102 | 95  | 89  | 84  | 100 | 93  | 88  | 83  | 90  | 85  | 81  | 86  | 83  | 79  | 84  | 80  | 78  | 76  |
| 3  | 94  | 85  | 78  | 72  | 92  | 83  | 77  | 71  | 80  | 75  | 70  | 78  | 73  | 69  | 75  | 71  | 68  | 66  |
| 4  | 87  | 76  | 68  | 62  | 85  | 75  | 68  | 62  | 72  | 66  | 61  | 70  | 65  | 60  | 68  | 63  | 59  | 57  |
| 5  | 80  | 69  | 61  | 55  | 78  | 68  | 60  | 54  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 51  |
| 6  | 75  | 62  | 54  | 48  | 73  | 61  | 54  | 48  | 60  | 53  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 45  |
| 7  | 69  | 57  | 49  | 43  | 68  | 56  | 48  | 43  | 55  | 48  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 40  |
| 8  | 65  | 52  | 44  | 39  | 63  | 51  | 44  | 39  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 36  |
| 9  | 61  | 48  | 40  | 35  | 59  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 33  |
| 10 | 57  | 44  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 41  | 36  | 32  | 30  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : F58 2700K 900.IES**

**UGR TABLE - CORRECTED**

Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| Ceiling Cavity | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls          | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor Cavity   | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

Room Size      UGR Viewed Crosswise

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| X=2H | Y=2H | 23.6 | 25.1 | 24.0 | 25.4 | 25.7 | 23.8 | 25.2 | 24.1 | 25.5 | 25.9 |
|      | 3H   | 24.5 | 25.8 | 24.9 | 26.2 | 26.5 | 24.7 | 26.0 | 25.1 | 26.3 | 26.7 |
|      | 4H   | 24.8 | 26.0 | 25.2 | 26.3 | 26.7 | 24.9 | 26.2 | 25.3 | 26.5 | 26.9 |
|      | 6H   | 24.9 | 26.1 | 25.3 | 26.4 | 26.8 | 25.1 | 26.2 | 25.5 | 26.6 | 27.0 |
|      | 8H   | 25.0 | 26.0 | 25.4 | 26.4 | 26.8 | 25.1 | 26.2 | 25.5 | 26.6 | 27.0 |
|      | 12H  | 25.0 | 26.0 | 25.4 | 26.4 | 26.8 | 25.1 | 26.1 | 25.5 | 26.5 | 26.9 |

UGR Viewed Endwise

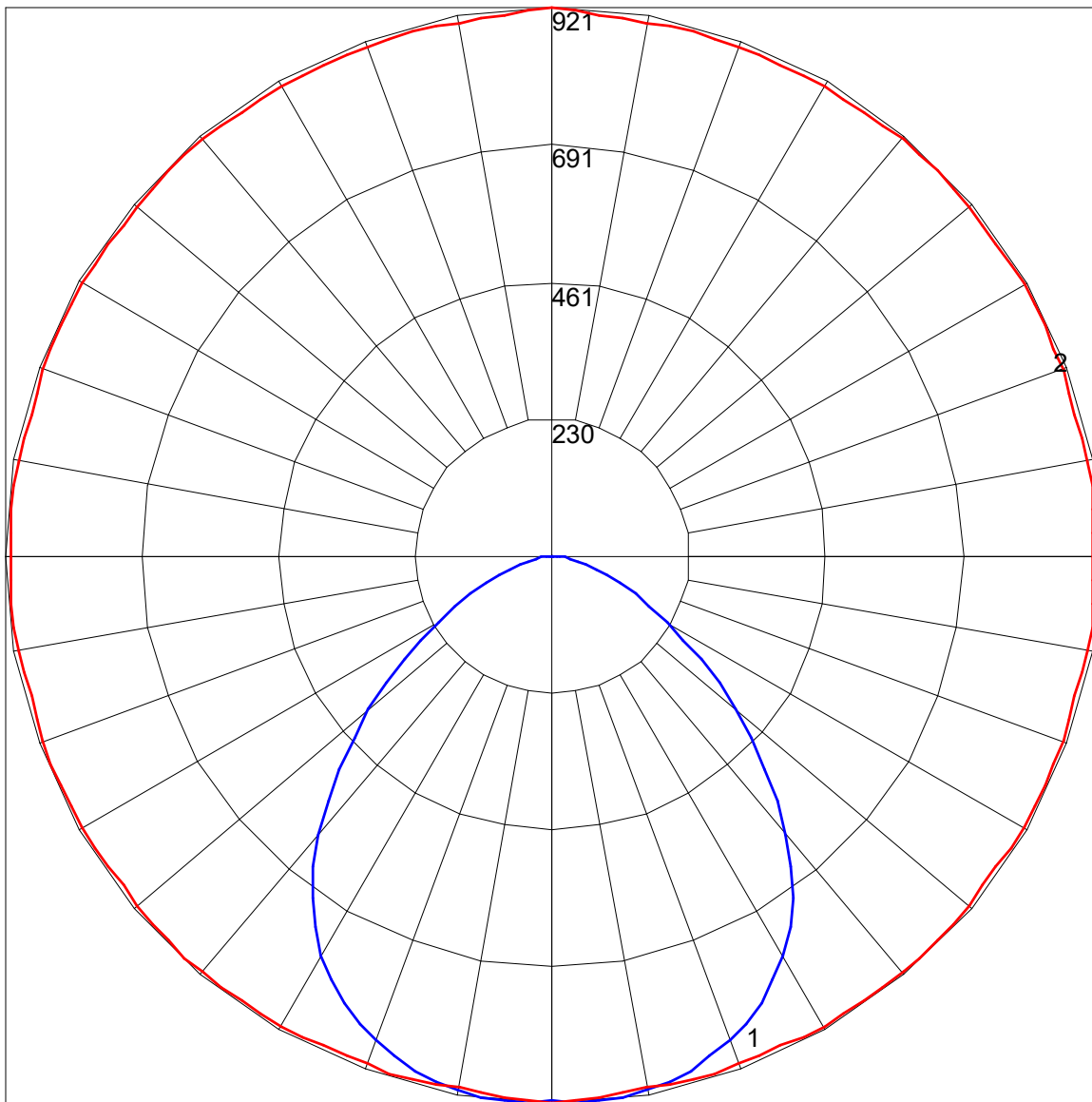
|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H  | 24.0 | 25.2 | 24.4 | 25.6 | 25.9 | 24.1 | 25.3 | 24.5 | 25.7 | 26.0 |
|    | 3H  | 25.0 | 26.0 | 25.4 | 26.4 | 26.8 | 25.1 | 26.2 | 25.6 | 26.6 | 27.0 |
|    | 4H  | 25.3 | 26.2 | 25.8 | 26.6 | 27.1 | 25.5 | 26.4 | 25.9 | 26.8 | 27.2 |
|    | 6H  | 25.5 | 26.3 | 26.0 | 26.8 | 27.2 | 25.7 | 26.5 | 26.1 | 26.9 | 27.4 |
|    | 8H  | 25.6 | 26.3 | 26.1 | 26.8 | 27.2 | 25.7 | 26.5 | 26.2 | 26.9 | 27.4 |
|    | 12H | 25.6 | 26.3 | 26.1 | 26.8 | 27.2 | 25.8 | 26.4 | 26.3 | 26.9 | 27.4 |

|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H  | 25.4 | 26.1 | 25.8 | 26.5 | 27.0 | 25.5 | 26.2 | 26.0 | 26.7 | 27.2 |
|    | 6H  | 25.6 | 26.2 | 26.1 | 26.7 | 27.2 | 25.8 | 26.4 | 26.3 | 26.9 | 27.3 |
|    | 8H  | 25.7 | 26.3 | 26.3 | 26.8 | 27.3 | 25.9 | 26.4 | 26.4 | 26.9 | 27.4 |
|    | 12H | 25.8 | 26.3 | 26.3 | 26.8 | 27.3 | 25.9 | 26.4 | 26.4 | 26.9 | 27.5 |

|     |    |      |      |      |      |      |      |      |      |      |      |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 25.4 | 26.0 | 25.9 | 26.5 | 27.0 | 25.5 | 26.1 | 26.0 | 26.6 | 27.1 |
|     | 6H | 25.6 | 26.2 | 26.1 | 26.6 | 27.2 | 25.7 | 26.3 | 26.3 | 26.8 | 27.3 |
|     | 8H | 25.7 | 26.2 | 26.3 | 26.7 | 27.3 | 25.9 | 26.3 | 26.4 | 26.8 | 27.4 |

Maximum UGR = 27.5

POLAR GRAPH



Maximum Candela = 921.11 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)