

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[MANUFAC] :Fabbian

[_EULUMDAT_ITYP] 1

[_EULUMDAT_HDIST] 5

[_EULUMD_VDIST] 5

[TEST]

[TESTLAB]

[LUMINAIRE] OLYMPIC POWER-SOSPENSIONE D.1387 4000K WHITE

[LUMCAT] F45A2501

[_EULUM_FILENAME] F45 A05 01.ltd

[ISSUEDATE] 2020-01-14

[_EULUM_AREALENGTH] 1387

[_EULUM_AREAWIDTH] 0

[_EULUM_C0_LUM] 0

[_EULUM_C90_LUM] 0

[_EULUM_C180_LUM] 0

[_EULUM_C270_LUM] 0

[_EULUM_DOWN_FLUX] 53.37

[_EULUM_EFFICIENCY] 100

[_EULUM_CONV] 1

[_EULUM_TILT] 0

[_EULUM_LAMP_1_NUM] 1

[_EULUM_LAMP_1_TYPE] LED SMD2835 14790 lm

[_EULUM_LAMP_1_FLUX] 7900

[_EULUM_LAMP_1_COLOR] 3724

[_EULUM_LAMP_1_CRG] 90

[_EULUM_LAMP_1_WATTS] 82

[LAMP] LED SMD2835 14790 lm

[_EULUM_DR_0] 0

[_EULUM_DR_1] 0

[_EULUM_DR_2] 50

[_EULUM_DR_3] 55

[_EULUM_DR_4] 60

[_EULUM_DR_5] 65

[_EULUM_DR_6] 70

[_EULUM_DR_7] 75

[_EULUM_DR_8] 80

[_EULUM_DR_9] 85

[_CONVERT] Luminaire test position and photometric web converted from original test data (LDT to IES Reorientation)

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CHARACTERISTICS

| | |
|---------------------------------|-------------------|
| Lumens Per Lamp | 7900 (1 lamp) |
| Total Lamp Lumens | 7900 |
| Luminaire Lumens | 8126 |
| Total Luminaire Efficiency | 103 % |
| Luminaire Efficacy Rating (LER) | 99 |
| Total Luminaire Watts | 82 |
| Ballast Factor | 1.00 |
| CIE Type | General Diffuse |
| Spacing Criterion (0-180) | N.A. |
| Spacing Criterion (90-270) | N.A. |
| Spacing Criterion (Diagonal) | N.A. |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 1.39 m (Diameter) |
| Luminous Width (90-270) | 1.39 m (Diameter) |
| Luminous Height | 0.00 m |



LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 385 | 386 | 387 |
| 55 | 602 | 601 | 603 |
| 65 | 1065 | 1063 | 1067 |
| 75 | 2296 | 2302 | 2306 |
| 85 | 7920 | 7918 | 7933 |

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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> |
|--------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.090 | 293.090 | 293.090 | 293.051 | 293.011 | 292.991 | 292.972 | 292.952 | 292.932 | 293.070 |
| 5.0 | 289.693 | 289.693 | 289.693 | 289.614 | 289.535 | 289.496 | 289.456 | 289.417 | 289.377 | 289.654 |
| 7.5 | 292.340 | 292.359 | 292.379 | 292.300 | 292.221 | 292.320 | 292.419 | 292.201 | 291.984 | 292.201 |
| 10.0 | 294.986 | 295.026 | 295.065 | 294.986 | 294.907 | 295.144 | 295.381 | 294.986 | 294.591 | 294.749 |
| 12.5 | 298.818 | 298.699 | 298.581 | 298.620 | 298.660 | 298.699 | 298.739 | 298.561 | 298.383 | 298.462 |
| 15.0 | 302.649 | 302.373 | 302.096 | 302.254 | 302.412 | 302.254 | 302.096 | 302.136 | 302.175 | 302.175 |
| 17.5 | 307.073 | 307.093 | 307.113 | 307.113 | 307.113 | 307.014 | 306.915 | 306.994 | 307.073 | 307.113 |
| 20.0 | 311.497 | 311.813 | 312.129 | 311.971 | 311.813 | 311.774 | 311.734 | 311.853 | 311.971 | 312.050 |
| 22.5 | 318.963 | 319.160 | 319.358 | 319.437 | 319.516 | 319.338 | 319.160 | 319.200 | 319.239 | 319.456 |
| 25.0 | 326.428 | 326.507 | 326.586 | 326.902 | 327.218 | 326.902 | 326.586 | 326.547 | 326.507 | 326.863 |
| 27.5 | 335.829 | 335.948 | 336.066 | 336.204 | 336.343 | 336.204 | 336.066 | 335.908 | 335.750 | 335.908 |
| 30.0 | 345.230 | 345.388 | 345.546 | 345.507 | 345.467 | 345.507 | 345.546 | 345.270 | 344.993 | 344.954 |
| 32.5 | 350.721 | 350.879 | 351.037 | 350.898 | 350.760 | 350.760 | 350.760 | 350.721 | 350.681 | 350.681 |
| 35.0 | 356.211 | 356.369 | 356.527 | 356.290 | 356.053 | 356.014 | 355.974 | 356.172 | 356.369 | 356.409 |
| 37.5 | 371.103 | 371.142 | 371.182 | 371.083 | 370.984 | 371.004 | 371.024 | 370.984 | 370.945 | 370.945 |
| 40.0 | 385.994 | 385.915 | 385.836 | 385.876 | 385.915 | 385.994 | 386.073 | 385.797 | 385.520 | 385.481 |
| 42.5 | 398.713 | 398.772 | 398.832 | 398.871 | 398.911 | 398.871 | 398.832 | 398.832 | 398.832 | 398.772 |
| 45.0 | 411.432 | 411.630 | 411.827 | 411.867 | 411.906 | 411.748 | 411.590 | 411.867 | 412.143 | 412.064 |
| 47.5 | 444.099 | 444.573 | 445.047 | 444.987 | 444.928 | 444.810 | 444.691 | 444.908 | 445.126 | 445.047 |
| 50.0 | 476.765 | 477.516 | 478.266 | 478.108 | 477.950 | 477.871 | 477.792 | 477.950 | 478.108 | 478.029 |
| 52.5 | 499.320 | 499.754 | 500.189 | 500.070 | 499.952 | 499.754 | 499.557 | 499.675 | 499.794 | 499.833 |
| 55.0 | 521.874 | 521.993 | 522.111 | 522.032 | 521.953 | 521.637 | 521.321 | 521.400 | 521.479 | 521.637 |
| 57.5 | 557.266 | 557.385 | 557.503 | 557.345 | 557.187 | 557.029 | 556.871 | 556.891 | 556.911 | 557.029 |
| 60.0 | 592.658 | 592.777 | 592.895 | 592.658 | 592.421 | 592.421 | 592.421 | 592.382 | 592.342 | 592.421 |
| 62.5 | 636.424 | 636.503 | 636.582 | 636.444 | 636.306 | 636.266 | 636.227 | 636.148 | 636.069 | 636.207 |
| 65.0 | 680.190 | 680.230 | 680.269 | 680.230 | 680.190 | 680.111 | 680.032 | 679.914 | 679.795 | 679.993 |
| 67.5 | 736.517 | 736.517 | 736.517 | 736.655 | 736.794 | 736.675 | 736.557 | 736.576 | 736.596 | 736.675 |
| 70.0 | 792.844 | 792.805 | 792.765 | 793.081 | 793.397 | 793.239 | 793.081 | 793.239 | 793.397 | 793.358 |
| 72.5 | 845.616 | 845.596 | 845.577 | 845.715 | 845.853 | 845.814 | 845.774 | 845.893 | 846.011 | 846.347 |
| 75.0 | 898.388 | 898.388 | 898.388 | 898.349 | 898.309 | 898.388 | 898.467 | 898.546 | 898.625 | 899.336 |
| 77.5 | 936.190 | 936.190 | 936.190 | 936.012 | 935.834 | 936.051 | 936.269 | 936.308 | 936.348 | 936.664 |
| 80.0 | 973.991 | 973.991 | 973.991 | 973.675 | 973.359 | 973.715 | 974.070 | 974.070 | 974.070 | 973.991 |
| 82.5 | 1008.672 | 1008.573 | 1008.475 | 1008.376 | 1008.277 | 1007.981 | 1007.685 | 1008.099 | 1008.514 | 1008.475 |
| 85.0 | 1043.353 | 1043.156 | 1042.958 | 1043.077 | 1043.195 | 1042.247 | 1041.299 | 1042.129 | 1042.958 | 1042.958 |
| 87.5 | 1049.594 | 1049.535 | 1049.476 | 1049.653 | 1049.831 | 1049.199 | 1048.567 | 1049.239 | 1049.910 | 1049.871 |
| 90.0 | 1055.835 | 1055.914 | 1055.993 | 1056.230 | 1056.467 | 1056.151 | 1055.835 | 1056.349 | 1056.862 | 1056.783 |
| 92.5 | 1048.607 | 1048.626 | 1048.646 | 1048.784 | 1048.923 | 1048.626 | 1048.330 | 1048.626 | 1048.923 | 1048.863 |
| 95.0 | 1041.378 | 1041.339 | 1041.299 | 1041.339 | 1041.378 | 1041.102 | 1040.825 | 1040.904 | 1040.983 | 1040.944 |
| 97.5 | 1009.818 | 1010.173 | 1010.529 | 1010.114 | 1009.699 | 1009.660 | 1009.620 | 1009.600 | 1009.581 | 1009.561 |
| 100.0 | 978.257 | 979.008 | 979.758 | 978.889 | 978.020 | 978.218 | 978.415 | 978.297 | 978.178 | 978.178 |
| 102.5 | 943.853 | 944.188 | 944.524 | 944.109 | 943.695 | 943.754 | 943.813 | 943.635 | 943.458 | 943.201 |
| 105.0 | 909.448 | 909.369 | 909.290 | 909.330 | 909.369 | 909.290 | 909.211 | 908.974 | 908.737 | 908.224 |
| 107.5 | 857.150 | 857.071 | 856.992 | 857.051 | 857.111 | 856.972 | 856.834 | 856.656 | 856.479 | 856.380 |
| 110.0 | 804.852 | 804.773 | 804.694 | 804.773 | 804.852 | 804.655 | 804.457 | 804.339 | 804.220 | 804.536 |
| 112.5 | 747.775 | 747.715 | 747.656 | 747.656 | 747.656 | 747.696 | 747.735 | 747.676 | 747.617 | 747.735 |
| 115.0 | 690.697 | 690.658 | 690.618 | 690.539 | 690.460 | 690.737 | 691.013 | 691.013 | 691.013 | 690.934 |
| 117.5 | 646.181 | 646.299 | 646.418 | 646.378 | 646.339 | 646.437 | 646.536 | 646.536 | 646.536 | 646.477 |
| 120.0 | 601.664 | 601.941 | 602.217 | 602.217 | 602.217 | 602.138 | 602.059 | 602.059 | 602.059 | 602.020 |
| 122.5 | 566.391 | 566.588 | 566.786 | 566.825 | 566.865 | 566.805 | 566.746 | 566.805 | 566.865 | 566.667 |
| 125.0 | 531.117 | 531.236 | 531.354 | 531.433 | 531.512 | 531.473 | 531.433 | 531.552 | 531.670 | 531.315 |
| 127.5 | 507.496 | 507.397 | 507.299 | 507.338 | 507.378 | 507.476 | 507.575 | 507.516 | 507.457 | 507.318 |
| 130.0 | 483.875 | 483.559 | 483.243 | 483.243 | 483.243 | 483.480 | 483.717 | 483.480 | 483.243 | 483.322 |
| 132.5 | 451.011 | 450.794 | 450.577 | 450.577 | 450.577 | 450.695 | 450.814 | 450.656 | 450.498 | 450.596 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 135.0 | 418.147 | 418.029 | 417.910 | 417.910 | 417.910 | 417.910 | 417.910 | 417.831 | 417.752 | 417.871 |
| 137.5 | 403.572 | 403.670 | 403.769 | 403.651 | 403.532 | 403.631 | 403.730 | 403.710 | 403.690 | 403.611 |
| 140.0 | 388.996 | 389.312 | 389.628 | 389.391 | 389.154 | 389.352 | 389.549 | 389.589 | 389.628 | 389.352 |
| 142.5 | 373.631 | 373.670 | 373.710 | 373.670 | 373.631 | 373.670 | 373.710 | 373.749 | 373.789 | 373.552 |
| 145.0 | 358.265 | 358.028 | 357.791 | 357.949 | 358.107 | 357.989 | 357.870 | 357.910 | 357.949 | 357.752 |
| 147.5 | 353.012 | 352.893 | 352.775 | 352.814 | 352.854 | 352.794 | 352.735 | 352.775 | 352.814 | 352.636 |
| 150.0 | 347.758 | 347.758 | 347.758 | 347.679 | 347.600 | 347.600 | 347.600 | 347.640 | 347.679 | 347.521 |
| 152.5 | 338.436 | 338.318 | 338.199 | 338.179 | 338.160 | 338.120 | 338.081 | 338.100 | 338.120 | 338.041 |
| 155.0 | 329.114 | 328.877 | 328.640 | 328.680 | 328.719 | 328.640 | 328.561 | 328.561 | 328.561 | 328.561 |
| 157.5 | 321.135 | 321.036 | 320.938 | 321.017 | 321.096 | 320.977 | 320.859 | 320.977 | 321.096 | 320.957 |
| 160.0 | 313.156 | 313.196 | 313.235 | 313.354 | 313.472 | 313.314 | 313.156 | 313.393 | 313.630 | 313.354 |
| 162.5 | 309.088 | 309.068 | 309.048 | 309.107 | 309.167 | 309.068 | 308.969 | 309.226 | 309.483 | 309.325 |
| 165.0 | 305.019 | 304.940 | 304.861 | 304.861 | 304.861 | 304.822 | 304.782 | 305.059 | 305.335 | 305.296 |
| 167.5 | 300.121 | 300.003 | 299.884 | 299.904 | 299.924 | 299.983 | 300.042 | 300.042 | 300.042 | 300.003 |
| 170.0 | 295.223 | 295.065 | 294.907 | 294.947 | 294.986 | 295.144 | 295.302 | 295.026 | 294.749 | 294.710 |
| 172.5 | 292.419 | 292.300 | 292.182 | 292.142 | 292.103 | 292.320 | 292.537 | 292.438 | 292.340 | 292.221 |
| 175.0 | 289.614 | 289.535 | 289.456 | 289.338 | 289.219 | 289.496 | 289.772 | 289.851 | 289.930 | 289.733 |
| 177.5 | 293.051 | 293.011 | 292.972 | 292.912 | 292.853 | 292.991 | 293.130 | 293.169 | 293.209 | 293.110 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

Vert. 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 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.209 | 293.189 | 293.169 | 293.446 | 293.722 | 293.663 | 293.604 | 293.683 | 293.762 | 293.781 |
| 5.0 | 289.930 | 289.891 | 289.851 | 290.404 | 290.957 | 290.839 | 290.720 | 290.878 | 291.036 | 291.076 |
| 7.5 | 292.419 | 292.478 | 292.537 | 292.715 | 292.893 | 292.893 | 292.893 | 292.853 | 292.814 | 292.833 |
| 10.0 | 294.907 | 295.065 | 295.223 | 295.026 | 294.828 | 294.947 | 295.065 | 294.828 | 294.591 | 294.591 |
| 12.5 | 298.541 | 298.719 | 298.897 | 298.581 | 298.265 | 298.423 | 298.581 | 298.521 | 298.462 | 298.324 |
| 15.0 | 302.175 | 302.373 | 302.570 | 302.136 | 301.701 | 301.899 | 302.096 | 302.215 | 302.333 | 302.057 |
| 17.5 | 307.152 | 307.113 | 307.073 | 306.876 | 306.678 | 306.777 | 306.876 | 306.994 | 307.113 | 306.935 |
| 20.0 | 312.129 | 311.853 | 311.576 | 311.616 | 311.655 | 311.655 | 311.655 | 311.774 | 311.892 | 311.813 |
| 22.5 | 319.674 | 319.456 | 319.239 | 319.259 | 319.279 | 319.318 | 319.358 | 319.417 | 319.476 | 319.298 |
| 25.0 | 327.218 | 327.060 | 326.902 | 326.902 | 326.902 | 326.981 | 327.060 | 327.060 | 327.060 | 326.784 |
| 27.5 | 336.066 | 336.066 | 336.066 | 336.007 | 335.948 | 336.125 | 336.303 | 336.125 | 335.948 | 335.967 |
| 30.0 | 344.914 | 345.072 | 345.230 | 345.112 | 344.993 | 345.270 | 345.546 | 345.191 | 344.835 | 345.151 |
| 32.5 | 350.681 | 350.780 | 350.879 | 350.800 | 350.721 | 350.780 | 350.839 | 350.642 | 350.444 | 350.701 |
| 35.0 | 356.448 | 356.488 | 356.527 | 356.488 | 356.448 | 356.290 | 356.132 | 356.093 | 356.053 | 356.251 |
| 37.5 | 370.945 | 370.984 | 371.024 | 371.083 | 371.142 | 371.004 | 370.866 | 370.826 | 370.787 | 370.866 |
| 40.0 | 385.441 | 385.481 | 385.520 | 385.678 | 385.836 | 385.718 | 385.599 | 385.560 | 385.520 | 385.481 |
| 42.5 | 398.713 | 398.753 | 398.792 | 398.753 | 398.713 | 398.753 | 398.792 | 398.812 | 398.832 | 398.674 |
| 45.0 | 411.985 | 412.025 | 412.064 | 411.827 | 411.590 | 411.788 | 411.985 | 412.064 | 412.143 | 411.867 |
| 47.5 | 444.968 | 445.066 | 445.165 | 445.007 | 444.849 | 444.928 | 445.007 | 444.987 | 444.968 | 444.592 |
| 50.0 | 477.950 | 478.108 | 478.266 | 478.187 | 478.108 | 478.069 | 478.029 | 477.911 | 477.792 | 477.318 |
| 52.5 | 499.873 | 499.873 | 499.873 | 499.873 | 499.873 | 499.813 | 499.754 | 499.695 | 499.636 | 499.853 |
| 55.0 | 521.795 | 521.637 | 521.479 | 521.558 | 521.637 | 521.558 | 521.479 | 521.479 | 521.479 | 522.388 |
| 57.5 | 557.148 | 557.187 | 557.227 | 557.128 | 557.029 | 557.108 | 557.187 | 557.069 | 556.950 | 557.543 |
| 60.0 | 592.500 | 592.737 | 592.974 | 592.698 | 592.421 | 592.658 | 592.895 | 592.658 | 592.421 | 592.698 |
| 62.5 | 636.345 | 636.385 | 636.424 | 636.286 | 636.148 | 636.365 | 636.582 | 636.128 | 635.674 | 635.654 |
| 65.0 | 680.190 | 680.032 | 679.874 | 679.874 | 679.874 | 680.072 | 680.269 | 679.598 | 678.926 | 678.610 |
| 67.5 | 736.754 | 736.734 | 736.715 | 736.537 | 736.359 | 736.537 | 736.715 | 736.695 | 736.675 | 736.616 |
| 70.0 | 793.318 | 793.437 | 793.555 | 793.200 | 792.844 | 793.002 | 793.160 | 793.792 | 794.424 | 794.622 |
| 72.5 | 846.683 | 847.038 | 847.394 | 847.117 | 846.841 | 846.920 | 846.999 | 847.295 | 847.591 | 847.690 |
| 75.0 | 900.047 | 900.640 | 901.232 | 901.035 | 900.837 | 900.837 | 900.837 | 900.798 | 900.758 | 900.758 |
| 77.5 | 936.980 | 937.394 | 937.809 | 938.105 | 938.402 | 938.244 | 938.086 | 937.789 | 937.493 | 937.533 |
| 80.0 | 973.912 | 974.149 | 974.386 | 975.176 | 975.966 | 975.650 | 975.334 | 974.781 | 974.228 | 974.307 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 82.5 | 1008.435 | 1008.593 | 1008.751 | 1009.265 | 1009.778 | 1009.482 | 1009.186 | 1008.929 | 1008.672 | 1008.652 |
| 85.0 | 1042.958 | 1043.037 | 1043.116 | 1043.353 | 1043.590 | 1043.314 | 1043.037 | 1043.077 | 1043.116 | 1042.998 |
| 87.5 | 1049.831 | 1049.752 | 1049.673 | 1049.950 | 1050.226 | 1050.048 | 1049.871 | 1049.910 | 1049.950 | 1050.167 |
| 90.0 | 1056.704 | 1056.467 | 1056.230 | 1056.546 | 1056.862 | 1056.783 | 1056.704 | 1056.744 | 1056.783 | 1057.336 |
| 92.5 | 1048.804 | 1048.705 | 1048.607 | 1048.705 | 1048.804 | 1048.784 | 1048.765 | 1048.646 | 1048.528 | 1048.824 |
| 95.0 | 1040.904 | 1040.944 | 1040.983 | 1040.865 | 1040.746 | 1040.786 | 1040.825 | 1040.549 | 1040.272 | 1040.312 |
| 97.5 | 1009.541 | 1009.640 | 1009.739 | 1009.620 | 1009.502 | 1009.561 | 1009.620 | 1009.383 | 1009.146 | 1009.284 |
| 100.0 | 978.178 | 978.336 | 978.494 | 978.376 | 978.257 | 978.336 | 978.415 | 978.218 | 978.020 | 978.257 |
| 102.5 | 942.944 | 943.418 | 943.892 | 943.379 | 942.865 | 942.944 | 943.023 | 943.063 | 943.102 | 942.964 |
| 105.0 | 907.710 | 908.500 | 909.290 | 908.382 | 907.473 | 907.552 | 907.631 | 907.908 | 908.184 | 907.671 |
| 107.5 | 856.281 | 856.617 | 856.953 | 856.400 | 855.847 | 855.886 | 855.926 | 856.143 | 856.360 | 856.163 |
| 110.0 | 804.852 | 804.734 | 804.615 | 804.418 | 804.220 | 804.220 | 804.220 | 804.378 | 804.536 | 804.655 |
| 112.5 | 747.854 | 747.656 | 747.459 | 747.459 | 747.459 | 747.775 | 748.091 | 748.288 | 748.486 | 748.565 |
| 115.0 | 690.855 | 690.579 | 690.302 | 690.500 | 690.697 | 691.329 | 691.961 | 692.198 | 692.435 | 692.475 |
| 117.5 | 646.418 | 646.398 | 646.378 | 646.319 | 646.260 | 646.714 | 647.168 | 647.208 | 647.247 | 647.306 |
| 120.0 | 601.980 | 602.217 | 602.454 | 602.138 | 601.822 | 602.099 | 602.375 | 602.217 | 602.059 | 602.138 |
| 122.5 | 566.470 | 566.786 | 567.102 | 566.884 | 566.667 | 566.766 | 566.865 | 566.786 | 566.707 | 566.786 |
| 125.0 | 530.959 | 531.354 | 531.749 | 531.631 | 531.512 | 531.433 | 531.354 | 531.354 | 531.354 | 531.433 |
| 127.5 | 507.180 | 507.358 | 507.536 | 507.516 | 507.496 | 507.575 | 507.654 | 507.634 | 507.615 | 507.417 |
| 130.0 | 483.401 | 483.362 | 483.322 | 483.401 | 483.480 | 483.717 | 483.954 | 483.915 | 483.875 | 483.401 |
| 132.5 | 450.695 | 450.695 | 450.695 | 450.735 | 450.774 | 450.912 | 451.051 | 450.833 | 450.616 | 450.478 |
| 135.0 | 417.989 | 418.029 | 418.068 | 418.068 | 418.068 | 418.108 | 418.147 | 417.752 | 417.357 | 417.555 |
| 137.5 | 403.532 | 403.670 | 403.809 | 403.730 | 403.651 | 403.631 | 403.611 | 403.552 | 403.493 | 403.493 |
| 140.0 | 389.075 | 389.312 | 389.549 | 389.391 | 389.233 | 389.154 | 389.075 | 389.352 | 389.628 | 389.431 |
| 142.5 | 373.315 | 373.631 | 373.947 | 373.808 | 373.670 | 373.650 | 373.631 | 373.710 | 373.789 | 373.769 |
| 145.0 | 357.554 | 357.949 | 358.344 | 358.226 | 358.107 | 358.147 | 358.186 | 358.068 | 357.949 | 358.107 |
| 147.5 | 352.459 | 352.735 | 353.012 | 352.873 | 352.735 | 352.775 | 352.814 | 352.715 | 352.617 | 352.636 |
| 150.0 | 347.363 | 347.521 | 347.679 | 347.521 | 347.363 | 347.403 | 347.442 | 347.363 | 347.284 | 347.166 |
| 152.5 | 337.962 | 338.081 | 338.199 | 338.179 | 338.160 | 338.120 | 338.081 | 338.120 | 338.160 | 338.140 |
| 155.0 | 328.561 | 328.640 | 328.719 | 328.838 | 328.956 | 328.838 | 328.719 | 328.877 | 329.035 | 329.114 |
| 157.5 | 320.819 | 320.878 | 320.938 | 321.096 | 321.254 | 321.076 | 320.898 | 321.036 | 321.175 | 321.135 |
| 160.0 | 313.077 | 313.117 | 313.156 | 313.354 | 313.551 | 313.314 | 313.077 | 313.196 | 313.314 | 313.156 |
| 162.5 | 309.167 | 309.088 | 309.009 | 309.206 | 309.404 | 309.167 | 308.930 | 309.009 | 309.088 | 309.107 |
| 165.0 | 305.256 | 305.059 | 304.861 | 305.059 | 305.256 | 305.019 | 304.782 | 304.822 | 304.861 | 305.059 |
| 167.5 | 299.963 | 299.845 | 299.726 | 299.983 | 300.240 | 300.062 | 299.884 | 299.825 | 299.766 | 300.003 |
| 170.0 | 294.670 | 294.631 | 294.591 | 294.907 | 295.223 | 295.105 | 294.986 | 294.828 | 294.670 | 294.947 |
| 172.5 | 292.103 | 292.083 | 292.063 | 292.261 | 292.458 | 292.379 | 292.300 | 292.201 | 292.103 | 292.320 |
| 175.0 | 289.535 | 289.535 | 289.535 | 289.614 | 289.693 | 289.654 | 289.614 | 289.575 | 289.535 | 289.693 |
| 177.5 | 293.011 | 293.011 | 293.011 | 293.051 | 293.090 | 293.070 | 293.051 | 293.031 | 293.011 | 293.090 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

Vert. Angles **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 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.801 | 293.860 | 293.920 | 293.860 | 293.801 | 293.781 | 293.762 | 293.781 | 293.801 | 293.821 |
| 5.0 | 291.115 | 291.234 | 291.352 | 291.234 | 291.115 | 291.076 | 291.036 | 291.076 | 291.115 | 291.155 |
| 7.5 | 292.853 | 293.090 | 293.327 | 293.209 | 293.090 | 293.090 | 293.090 | 293.130 | 293.169 | 293.169 |
| 10.0 | 294.591 | 294.947 | 295.302 | 295.184 | 295.065 | 295.105 | 295.144 | 295.184 | 295.223 | 295.184 |
| 12.5 | 298.186 | 298.383 | 298.581 | 299.114 | 299.647 | 299.548 | 299.450 | 299.608 | 299.766 | 299.706 |
| 15.0 | 301.780 | 301.820 | 301.859 | 303.044 | 304.229 | 303.992 | 303.755 | 304.032 | 304.308 | 304.229 |
| 17.5 | 306.757 | 306.797 | 306.836 | 307.468 | 308.100 | 307.883 | 307.666 | 307.942 | 308.219 | 308.159 |
| 20.0 | 311.734 | 311.774 | 311.813 | 311.892 | 311.971 | 311.774 | 311.576 | 311.853 | 312.129 | 312.090 |
| 22.5 | 319.121 | 319.200 | 319.279 | 319.279 | 319.279 | 319.437 | 319.595 | 319.654 | 319.713 | 319.516 |
| 25.0 | 326.507 | 326.626 | 326.744 | 326.665 | 326.586 | 327.100 | 327.613 | 327.455 | 327.297 | 326.942 |
| 27.5 | 335.987 | 336.046 | 336.106 | 335.987 | 335.869 | 336.224 | 336.580 | 336.343 | 336.106 | 335.928 |

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 30.0 | 345.467 | 345.467 | 345.467 | 345.309 | 345.151 | 345.349 | 345.546 | 345.230 | 344.914 | 344.914 |
| 32.5 | 350.958 | 350.918 | 350.879 | 350.760 | 350.642 | 351.056 | 351.471 | 351.412 | 351.353 | 351.353 |
| 35.0 | 356.448 | 356.369 | 356.290 | 356.211 | 356.132 | 356.764 | 357.396 | 357.594 | 357.791 | 357.791 |
| 37.5 | 370.945 | 370.945 | 370.945 | 371.004 | 371.063 | 371.221 | 371.379 | 371.419 | 371.458 | 371.478 |
| 40.0 | 385.441 | 385.520 | 385.599 | 385.797 | 385.994 | 385.678 | 385.362 | 385.244 | 385.125 | 385.165 |
| 42.5 | 398.516 | 398.891 | 399.266 | 399.444 | 399.622 | 399.424 | 399.227 | 399.246 | 399.266 | 399.306 |
| 45.0 | 411.590 | 412.262 | 412.933 | 413.091 | 413.249 | 413.170 | 413.091 | 413.249 | 413.407 | 413.447 |
| 47.5 | 444.217 | 444.434 | 444.652 | 444.810 | 444.968 | 444.829 | 444.691 | 444.829 | 444.968 | 444.968 |
| 50.0 | 476.844 | 476.607 | 476.370 | 476.528 | 476.686 | 476.489 | 476.291 | 476.410 | 476.528 | 476.489 |
| 52.5 | 500.070 | 499.971 | 499.873 | 500.011 | 500.149 | 500.050 | 499.952 | 499.833 | 499.715 | 499.675 |
| 55.0 | 523.296 | 523.336 | 523.375 | 523.494 | 523.612 | 523.612 | 523.612 | 523.257 | 522.901 | 522.862 |
| 57.5 | 558.135 | 557.997 | 557.859 | 557.997 | 558.135 | 558.115 | 558.096 | 557.878 | 557.661 | 557.681 |
| 60.0 | 592.974 | 592.658 | 592.342 | 592.500 | 592.658 | 592.619 | 592.579 | 592.500 | 592.421 | 592.500 |
| 62.5 | 635.634 | 635.575 | 635.516 | 635.476 | 635.437 | 635.535 | 635.634 | 635.516 | 635.397 | 635.555 |
| 65.0 | 678.294 | 678.492 | 678.689 | 678.452 | 678.215 | 678.452 | 678.689 | 678.531 | 678.373 | 678.610 |
| 67.5 | 736.557 | 736.260 | 735.964 | 735.786 | 735.609 | 735.846 | 736.083 | 735.885 | 735.688 | 736.063 |
| 70.0 | 794.819 | 794.029 | 793.239 | 793.121 | 793.002 | 793.239 | 793.476 | 793.239 | 793.002 | 793.516 |
| 72.5 | 847.789 | 847.295 | 846.801 | 846.821 | 846.841 | 847.018 | 847.196 | 847.078 | 846.959 | 847.512 |
| 75.0 | 900.758 | 900.561 | 900.363 | 900.521 | 900.679 | 900.798 | 900.916 | 900.916 | 900.916 | 901.509 |
| 77.5 | 937.572 | 937.355 | 937.138 | 937.355 | 937.572 | 937.434 | 937.296 | 937.335 | 937.375 | 937.809 |
| 80.0 | 974.386 | 974.149 | 973.912 | 974.189 | 974.465 | 974.070 | 973.675 | 973.754 | 973.833 | 974.110 |
| 82.5 | 1008.633 | 1008.712 | 1008.791 | 1009.205 | 1009.620 | 1009.442 | 1009.265 | 1009.186 | 1009.107 | 1009.462 |
| 85.0 | 1042.879 | 1043.274 | 1043.669 | 1044.222 | 1044.775 | 1044.815 | 1044.854 | 1044.617 | 1044.380 | 1044.815 |
| 87.5 | 1050.384 | 1050.424 | 1050.463 | 1050.819 | 1051.174 | 1051.214 | 1051.253 | 1051.194 | 1051.135 | 1050.937 |
| 90.0 | 1057.889 | 1057.573 | 1057.257 | 1057.415 | 1057.573 | 1057.613 | 1057.652 | 1057.771 | 1057.889 | 1057.060 |
| 92.5 | 1049.120 | 1048.666 | 1048.212 | 1048.567 | 1048.923 | 1048.962 | 1049.002 | 1049.140 | 1049.278 | 1048.429 |
| 95.0 | 1040.351 | 1039.759 | 1039.166 | 1039.719 | 1040.272 | 1040.312 | 1040.351 | 1040.509 | 1040.667 | 1039.798 |
| 97.5 | 1009.423 | 1008.988 | 1008.554 | 1008.968 | 1009.383 | 1009.383 | 1009.383 | 1009.521 | 1009.660 | 1009.344 |
| 100.0 | 978.494 | 978.218 | 977.941 | 978.218 | 978.494 | 978.455 | 978.415 | 978.534 | 978.652 | 978.889 |
| 102.5 | 942.826 | 942.984 | 943.142 | 943.181 | 943.221 | 943.161 | 943.102 | 943.181 | 943.260 | 943.260 |
| 105.0 | 907.157 | 907.750 | 908.342 | 908.145 | 907.947 | 907.868 | 907.789 | 907.829 | 907.868 | 907.631 |
| 107.5 | 855.965 | 856.123 | 856.281 | 856.281 | 856.281 | 856.656 | 857.032 | 856.656 | 856.281 | 856.163 |
| 110.0 | 804.773 | 804.497 | 804.220 | 804.418 | 804.615 | 805.445 | 806.274 | 805.484 | 804.694 | 804.694 |
| 112.5 | 748.644 | 748.505 | 748.367 | 748.486 | 748.604 | 748.881 | 749.157 | 748.387 | 747.617 | 747.538 |
| 115.0 | 692.514 | 692.514 | 692.514 | 692.554 | 692.593 | 692.317 | 692.040 | 691.290 | 690.539 | 690.381 |
| 117.5 | 647.366 | 647.425 | 647.484 | 647.445 | 647.405 | 647.208 | 647.010 | 646.734 | 646.457 | 646.319 |
| 120.0 | 602.217 | 602.336 | 602.454 | 602.336 | 602.217 | 602.099 | 601.980 | 602.178 | 602.375 | 602.257 |
| 122.5 | 566.865 | 566.825 | 566.786 | 566.825 | 566.865 | 566.825 | 566.786 | 566.884 | 566.983 | 566.529 |
| 125.0 | 531.512 | 531.315 | 531.117 | 531.315 | 531.512 | 531.552 | 531.591 | 531.591 | 531.591 | 530.801 |
| 127.5 | 507.220 | 507.318 | 507.417 | 507.417 | 507.417 | 507.378 | 507.338 | 507.279 | 507.220 | 506.706 |
| 130.0 | 482.927 | 483.322 | 483.717 | 483.520 | 483.322 | 483.204 | 483.085 | 482.967 | 482.848 | 482.611 |
| 132.5 | 450.340 | 450.182 | 450.024 | 450.261 | 450.498 | 450.043 | 449.589 | 449.688 | 449.787 | 450.004 |
| 135.0 | 417.752 | 417.041 | 416.330 | 417.002 | 417.673 | 416.883 | 416.093 | 416.409 | 416.725 | 417.397 |
| 137.5 | 403.493 | 403.157 | 402.821 | 403.216 | 403.611 | 403.275 | 402.940 | 403.078 | 403.216 | 403.433 |
| 140.0 | 389.233 | 389.273 | 389.312 | 389.431 | 389.549 | 389.668 | 389.786 | 389.747 | 389.707 | 389.470 |
| 142.5 | 373.749 | 373.828 | 373.907 | 373.947 | 373.986 | 374.065 | 374.144 | 374.065 | 373.986 | 373.947 |
| 145.0 | 358.265 | 358.384 | 358.502 | 358.463 | 358.423 | 358.463 | 358.502 | 358.384 | 358.265 | 358.423 |
| 147.5 | 352.656 | 352.735 | 352.814 | 352.854 | 352.893 | 353.031 | 353.170 | 353.031 | 352.893 | 353.110 |
| 150.0 | 347.047 | 347.087 | 347.126 | 347.245 | 347.363 | 347.600 | 347.837 | 347.679 | 347.521 | 347.798 |
| 152.5 | 338.120 | 338.100 | 338.081 | 338.100 | 338.120 | 338.179 | 338.239 | 338.337 | 338.436 | 338.594 |
| 155.0 | 329.193 | 329.114 | 329.035 | 328.956 | 328.877 | 328.759 | 328.640 | 328.996 | 329.351 | 329.391 |
| 157.5 | 321.096 | 321.234 | 321.372 | 321.155 | 320.938 | 321.017 | 321.096 | 320.799 | 320.503 | 320.582 |
| 160.0 | 312.998 | 313.354 | 313.709 | 313.354 | 312.998 | 313.275 | 313.551 | 312.603 | 311.655 | 311.774 |
| 162.5 | 309.127 | 309.226 | 309.325 | 309.265 | 309.206 | 309.285 | 309.364 | 308.890 | 308.416 | 308.159 |
| 165.0 | 305.256 | 305.098 | 304.940 | 305.177 | 305.414 | 305.296 | 305.177 | 305.177 | 305.177 | 304.545 |
| 167.5 | 300.240 | 300.082 | 299.924 | 300.042 | 300.161 | 300.200 | 300.240 | 300.121 | 300.003 | 299.509 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 170.0 | 295.223 | 295.065 | 294.907 | 294.907 | 294.907 | 295.105 | 295.302 | 295.065 | 294.828 | 294.473 |
| 172.5 | 292.537 | 292.478 | 292.419 | 292.340 | 292.261 | 292.280 | 292.300 | 292.340 | 292.379 | 292.261 |
| 175.0 | 289.851 | 289.891 | 289.930 | 289.772 | 289.614 | 289.456 | 289.298 | 289.614 | 289.930 | 290.049 |
| 177.5 | 293.169 | 293.189 | 293.209 | 293.130 | 293.051 | 292.972 | 292.893 | 293.051 | 293.209 | 293.268 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

**Vert.
Angles**

Horizontal Angles

| | 75.0 | 77.5 | 80.0 | 82.5 | 85.0 | 87.5 | 90.0 | 92.5 | 95.0 | 97.5 |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.841 | 293.801 | 293.762 | 293.821 | 293.880 | 293.920 | 293.959 | 293.781 | 293.604 | 293.702 |
| 5.0 | 291.194 | 291.115 | 291.036 | 291.155 | 291.273 | 291.352 | 291.431 | 291.076 | 290.720 | 290.918 |
| 7.5 | 293.169 | 293.031 | 292.893 | 293.011 | 293.130 | 293.169 | 293.209 | 292.932 | 292.656 | 292.932 |
| 10.0 | 295.144 | 294.947 | 294.749 | 294.868 | 294.986 | 294.986 | 294.986 | 294.789 | 294.591 | 294.947 |
| 12.5 | 299.647 | 299.410 | 299.173 | 299.311 | 299.450 | 299.529 | 299.608 | 299.548 | 299.489 | 299.608 |
| 15.0 | 304.150 | 303.874 | 303.597 | 303.755 | 303.913 | 304.071 | 304.229 | 304.308 | 304.387 | 304.269 |
| 17.5 | 308.100 | 307.883 | 307.666 | 307.804 | 307.942 | 307.903 | 307.863 | 307.982 | 308.100 | 307.982 |
| 20.0 | 312.050 | 311.892 | 311.734 | 311.853 | 311.971 | 311.734 | 311.497 | 311.655 | 311.813 | 311.695 |
| 22.5 | 319.318 | 319.338 | 319.358 | 319.516 | 319.674 | 319.516 | 319.358 | 319.377 | 319.397 | 319.377 |
| 25.0 | 326.586 | 326.784 | 326.981 | 327.179 | 327.376 | 327.297 | 327.218 | 327.100 | 326.981 | 327.060 |
| 27.5 | 335.750 | 335.908 | 336.066 | 336.125 | 336.185 | 336.244 | 336.303 | 336.264 | 336.224 | 336.283 |
| 30.0 | 344.914 | 345.033 | 345.151 | 345.072 | 344.993 | 345.191 | 345.388 | 345.428 | 345.467 | 345.507 |
| 32.5 | 351.353 | 350.938 | 350.523 | 350.503 | 350.484 | 350.661 | 350.839 | 350.740 | 350.642 | 350.859 |
| 35.0 | 357.791 | 356.843 | 355.895 | 355.935 | 355.974 | 356.132 | 356.290 | 356.053 | 355.816 | 356.211 |
| 37.5 | 371.498 | 371.122 | 370.747 | 370.688 | 370.629 | 370.668 | 370.708 | 370.688 | 370.668 | 370.787 |
| 40.0 | 385.204 | 385.402 | 385.599 | 385.441 | 385.283 | 385.204 | 385.125 | 385.323 | 385.520 | 385.362 |
| 42.5 | 399.345 | 399.345 | 399.345 | 399.325 | 399.306 | 399.404 | 399.503 | 399.464 | 399.424 | 399.246 |
| 45.0 | 413.486 | 413.289 | 413.091 | 413.210 | 413.328 | 413.605 | 413.881 | 413.605 | 413.328 | 413.131 |
| 47.5 | 444.968 | 444.948 | 444.928 | 444.869 | 444.810 | 444.928 | 445.047 | 445.047 | 445.047 | 444.770 |
| 50.0 | 476.449 | 476.607 | 476.765 | 476.528 | 476.291 | 476.252 | 476.212 | 476.489 | 476.765 | 476.410 |
| 52.5 | 499.636 | 499.892 | 500.149 | 499.892 | 499.636 | 499.636 | 499.636 | 499.892 | 500.149 | 499.952 |
| 55.0 | 522.822 | 523.178 | 523.533 | 523.257 | 522.980 | 523.020 | 523.059 | 523.296 | 523.533 | 523.494 |
| 57.5 | 557.701 | 557.859 | 558.017 | 557.938 | 557.859 | 557.780 | 557.701 | 557.918 | 558.135 | 558.017 |
| 60.0 | 592.579 | 592.540 | 592.500 | 592.619 | 592.737 | 592.540 | 592.342 | 592.540 | 592.737 | 592.540 |
| 62.5 | 635.713 | 635.634 | 635.555 | 636.246 | 636.938 | 636.977 | 637.017 | 636.977 | 636.938 | 636.266 |
| 65.0 | 678.847 | 678.729 | 678.610 | 679.874 | 681.138 | 681.415 | 681.691 | 681.415 | 681.138 | 679.993 |
| 67.5 | 736.438 | 736.458 | 736.478 | 737.031 | 737.584 | 737.761 | 737.939 | 737.702 | 737.465 | 736.952 |
| 70.0 | 794.029 | 794.187 | 794.345 | 794.187 | 794.029 | 794.108 | 794.187 | 793.990 | 793.792 | 793.911 |
| 72.5 | 848.065 | 848.164 | 848.263 | 847.749 | 847.236 | 847.729 | 848.223 | 847.769 | 847.315 | 847.828 |
| 75.0 | 902.101 | 902.141 | 902.180 | 901.311 | 900.442 | 901.351 | 902.259 | 901.548 | 900.837 | 901.746 |
| 77.5 | 938.244 | 938.540 | 938.836 | 938.599 | 938.362 | 938.816 | 939.271 | 939.034 | 938.797 | 938.974 |
| 80.0 | 974.386 | 974.939 | 975.492 | 975.887 | 976.282 | 976.282 | 976.282 | 976.519 | 976.756 | 976.203 |
| 82.5 | 1009.818 | 1010.094 | 1010.371 | 1010.687 | 1011.003 | 1010.864 | 1010.726 | 1010.864 | 1011.003 | 1010.746 |
| 85.0 | 1045.249 | 1045.249 | 1045.249 | 1045.486 | 1045.723 | 1045.447 | 1045.170 | 1045.210 | 1045.249 | 1045.289 |
| 87.5 | 1050.740 | 1050.799 | 1050.858 | 1050.858 | 1050.858 | 1050.720 | 1050.582 | 1050.542 | 1050.503 | 1050.621 |
| 90.0 | 1056.230 | 1056.349 | 1056.467 | 1056.230 | 1055.993 | 1055.993 | 1055.993 | 1055.875 | 1055.756 | 1055.954 |
| 92.5 | 1047.580 | 1047.619 | 1047.659 | 1047.520 | 1047.382 | 1047.481 | 1047.580 | 1047.441 | 1047.303 | 1047.402 |
| 95.0 | 1038.929 | 1038.890 | 1038.850 | 1038.811 | 1038.771 | 1038.969 | 1039.166 | 1039.008 | 1038.850 | 1038.850 |
| 97.5 | 1009.028 | 1008.850 | 1008.672 | 1008.731 | 1008.791 | 1008.929 | 1009.067 | 1008.830 | 1008.593 | 1008.731 |
| 100.0 | 979.126 | 978.810 | 978.494 | 978.652 | 978.810 | 978.889 | 978.968 | 978.652 | 978.336 | 978.613 |
| 102.5 | 943.260 | 943.181 | 943.102 | 943.082 | 943.063 | 943.082 | 943.102 | 942.944 | 942.786 | 942.905 |
| 105.0 | 907.394 | 907.552 | 907.710 | 907.513 | 907.315 | 907.276 | 907.236 | 907.236 | 907.236 | 907.197 |
| 107.5 | 856.044 | 856.005 | 855.965 | 855.926 | 855.886 | 855.945 | 856.005 | 855.985 | 855.965 | 855.906 |
| 110.0 | 804.694 | 804.457 | 804.220 | 804.339 | 804.457 | 804.615 | 804.773 | 804.734 | 804.694 | 804.615 |
| 112.5 | 747.459 | 747.281 | 747.103 | 747.182 | 747.261 | 747.597 | 747.933 | 747.656 | 747.380 | 747.380 |
| 115.0 | 690.223 | 690.105 | 689.986 | 690.026 | 690.065 | 690.579 | 691.092 | 690.579 | 690.065 | 690.144 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 117.5 | 646.181 | 646.042 | 645.904 | 645.963 | 646.023 | 646.240 | 646.457 | 646.240 | 646.023 | 646.200 |
| 120.0 | 602.138 | 601.980 | 601.822 | 601.901 | 601.980 | 601.901 | 601.822 | 601.901 | 601.980 | 602.257 |
| 122.5 | 566.075 | 566.055 | 566.035 | 566.173 | 566.312 | 566.173 | 566.035 | 566.055 | 566.075 | 566.312 |
| 125.0 | 530.011 | 530.130 | 530.248 | 530.446 | 530.643 | 530.446 | 530.248 | 530.209 | 530.169 | 530.367 |
| 127.5 | 506.193 | 506.114 | 506.035 | 506.193 | 506.351 | 506.331 | 506.311 | 506.212 | 506.114 | 506.193 |
| 130.0 | 482.374 | 482.098 | 481.821 | 481.940 | 482.058 | 482.216 | 482.374 | 482.216 | 482.058 | 482.019 |
| 132.5 | 450.221 | 450.043 | 449.866 | 449.609 | 449.352 | 449.806 | 450.261 | 449.787 | 449.313 | 449.629 |
| 135.0 | 418.068 | 417.989 | 417.910 | 417.278 | 416.646 | 417.397 | 418.147 | 417.357 | 416.567 | 417.239 |
| 137.5 | 403.651 | 403.493 | 403.335 | 402.999 | 402.663 | 403.157 | 403.651 | 403.275 | 402.900 | 403.196 |
| 140.0 | 389.233 | 388.996 | 388.759 | 388.720 | 388.680 | 388.917 | 389.154 | 389.194 | 389.233 | 389.154 |
| 142.5 | 373.907 | 373.729 | 373.552 | 373.552 | 373.552 | 373.729 | 373.907 | 373.887 | 373.868 | 373.828 |
| 145.0 | 358.581 | 358.463 | 358.344 | 358.384 | 358.423 | 358.542 | 358.660 | 358.581 | 358.502 | 358.502 |
| 147.5 | 353.328 | 353.209 | 353.091 | 352.755 | 352.419 | 352.597 | 352.775 | 352.636 | 352.498 | 352.873 |
| 150.0 | 348.074 | 347.956 | 347.837 | 347.126 | 346.415 | 346.652 | 346.889 | 346.692 | 346.494 | 347.245 |
| 152.5 | 338.752 | 338.673 | 338.594 | 338.140 | 337.686 | 337.863 | 338.041 | 337.942 | 337.844 | 338.239 |
| 155.0 | 329.430 | 329.391 | 329.351 | 329.154 | 328.956 | 329.075 | 329.193 | 329.193 | 329.193 | 329.233 |
| 157.5 | 320.661 | 320.622 | 320.582 | 320.444 | 320.306 | 320.325 | 320.345 | 320.404 | 320.464 | 320.444 |
| 160.0 | 311.892 | 311.853 | 311.813 | 311.734 | 311.655 | 311.576 | 311.497 | 311.616 | 311.734 | 311.655 |
| 162.5 | 307.903 | 308.001 | 308.100 | 307.982 | 307.863 | 307.824 | 307.784 | 307.784 | 307.784 | 307.725 |
| 165.0 | 303.913 | 304.150 | 304.387 | 304.229 | 304.071 | 304.071 | 304.071 | 303.953 | 303.834 | 303.795 |
| 167.5 | 299.015 | 299.134 | 299.252 | 299.193 | 299.134 | 299.173 | 299.213 | 298.995 | 298.778 | 298.857 |
| 170.0 | 294.117 | 294.117 | 294.117 | 294.157 | 294.196 | 294.275 | 294.354 | 294.038 | 293.722 | 293.920 |
| 172.5 | 292.142 | 292.122 | 292.103 | 292.103 | 292.103 | 292.103 | 292.103 | 291.905 | 291.708 | 291.866 |
| 175.0 | 290.167 | 290.128 | 290.088 | 290.049 | 290.009 | 289.930 | 289.851 | 289.772 | 289.693 | 289.812 |
| 177.5 | 293.327 | 293.307 | 293.288 | 293.268 | 293.248 | 293.209 | 293.169 | 293.130 | 293.090 | 293.149 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

**Vert.
Angles**

Horizontal 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 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.801 | 293.880 | 293.959 | 293.841 | 293.722 | 293.801 | 293.880 | 293.821 | 293.762 | 293.702 |
| 5.0 | 291.115 | 291.273 | 291.431 | 291.194 | 290.957 | 291.115 | 291.273 | 291.155 | 291.036 | 290.918 |
| 7.5 | 293.209 | 293.189 | 293.169 | 293.130 | 293.090 | 293.051 | 293.011 | 292.912 | 292.814 | 292.794 |
| 10.0 | 295.302 | 295.105 | 294.907 | 295.065 | 295.223 | 294.986 | 294.749 | 294.670 | 294.591 | 294.670 |
| 12.5 | 299.726 | 299.667 | 299.608 | 299.529 | 299.450 | 299.410 | 299.371 | 299.410 | 299.450 | 298.837 |
| 15.0 | 304.150 | 304.229 | 304.308 | 303.992 | 303.676 | 303.834 | 303.992 | 304.150 | 304.308 | 303.005 |
| 17.5 | 307.863 | 307.942 | 308.021 | 307.922 | 307.824 | 307.903 | 307.982 | 308.120 | 308.258 | 307.508 |
| 20.0 | 311.576 | 311.655 | 311.734 | 311.853 | 311.971 | 311.971 | 311.971 | 312.090 | 312.208 | 312.011 |
| 22.5 | 319.358 | 319.239 | 319.121 | 319.358 | 319.595 | 319.595 | 319.595 | 319.614 | 319.634 | 319.417 |
| 25.0 | 327.139 | 326.823 | 326.507 | 326.863 | 327.218 | 327.218 | 327.218 | 327.139 | 327.060 | 326.823 |
| 27.5 | 336.343 | 336.165 | 335.987 | 336.145 | 336.303 | 336.362 | 336.422 | 336.264 | 336.106 | 336.066 |
| 30.0 | 345.546 | 345.507 | 345.467 | 345.428 | 345.388 | 345.507 | 345.625 | 345.388 | 345.151 | 345.309 |
| 32.5 | 351.076 | 351.392 | 351.708 | 351.669 | 351.629 | 351.609 | 351.590 | 351.037 | 350.484 | 350.661 |
| 35.0 | 356.606 | 357.278 | 357.949 | 357.910 | 357.870 | 357.712 | 357.554 | 356.685 | 355.816 | 356.014 |
| 37.5 | 370.905 | 371.320 | 371.735 | 371.616 | 371.498 | 371.498 | 371.498 | 371.162 | 370.826 | 370.846 |
| 40.0 | 385.204 | 385.362 | 385.520 | 385.323 | 385.125 | 385.283 | 385.441 | 385.639 | 385.836 | 385.678 |
| 42.5 | 399.069 | 399.246 | 399.424 | 399.246 | 399.069 | 399.187 | 399.306 | 399.464 | 399.622 | 399.424 |
| 45.0 | 412.933 | 413.131 | 413.328 | 413.170 | 413.012 | 413.091 | 413.170 | 413.289 | 413.407 | 413.170 |
| 47.5 | 444.494 | 444.731 | 444.968 | 444.889 | 444.810 | 444.770 | 444.731 | 444.750 | 444.770 | 444.671 |
| 50.0 | 476.054 | 476.331 | 476.607 | 476.607 | 476.607 | 476.449 | 476.291 | 476.212 | 476.133 | 476.173 |
| 52.5 | 499.754 | 499.853 | 499.952 | 499.892 | 499.833 | 499.715 | 499.596 | 499.715 | 499.833 | 499.715 |
| 55.0 | 523.454 | 523.375 | 523.296 | 523.178 | 523.059 | 522.980 | 522.901 | 523.217 | 523.533 | 523.257 |
| 57.5 | 557.898 | 557.938 | 557.977 | 557.997 | 558.017 | 557.799 | 557.582 | 557.819 | 558.056 | 557.997 |
| 60.0 | 592.342 | 592.500 | 592.658 | 592.816 | 592.974 | 592.619 | 592.263 | 592.421 | 592.579 | 592.737 |
| 62.5 | 635.595 | 635.634 | 635.674 | 635.792 | 635.911 | 635.733 | 635.555 | 635.674 | 635.792 | 635.753 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 65.0 | 678.847 | 678.768 | 678.689 | 678.768 | 678.847 | 678.847 | 678.847 | 678.926 | 679.005 | 678.768 |
| 67.5 | 736.438 | 736.359 | 736.280 | 736.043 | 735.806 | 735.964 | 736.122 | 736.181 | 736.241 | 736.023 |
| 70.0 | 794.029 | 793.950 | 793.871 | 793.318 | 792.765 | 793.081 | 793.397 | 793.437 | 793.476 | 793.279 |
| 72.5 | 848.342 | 848.302 | 848.263 | 847.413 | 846.564 | 846.860 | 847.157 | 847.157 | 847.157 | 846.979 |
| 75.0 | 902.654 | 902.654 | 902.654 | 901.509 | 900.363 | 900.640 | 900.916 | 900.877 | 900.837 | 900.679 |
| 77.5 | 939.152 | 938.698 | 938.244 | 937.651 | 937.059 | 937.296 | 937.533 | 937.493 | 937.454 | 937.375 |
| 80.0 | 975.650 | 974.742 | 973.833 | 973.794 | 973.754 | 973.952 | 974.149 | 974.110 | 974.070 | 974.070 |
| 82.5 | 1010.489 | 1009.995 | 1009.502 | 1009.383 | 1009.265 | 1009.225 | 1009.186 | 1009.225 | 1009.265 | 1009.047 |
| 85.0 | 1045.328 | 1045.249 | 1045.170 | 1044.973 | 1044.775 | 1044.499 | 1044.222 | 1044.341 | 1044.459 | 1044.025 |
| 87.5 | 1050.740 | 1050.621 | 1050.503 | 1050.917 | 1051.332 | 1051.075 | 1050.819 | 1050.957 | 1051.095 | 1050.799 |
| 90.0 | 1056.151 | 1055.993 | 1055.835 | 1056.862 | 1057.889 | 1057.652 | 1057.415 | 1057.573 | 1057.731 | 1057.573 |
| 92.5 | 1047.501 | 1047.362 | 1047.224 | 1048.192 | 1049.160 | 1049.140 | 1049.120 | 1049.160 | 1049.199 | 1048.686 |
| 95.0 | 1038.850 | 1038.732 | 1038.613 | 1039.522 | 1040.430 | 1040.628 | 1040.825 | 1040.746 | 1040.667 | 1039.798 |
| 97.5 | 1008.870 | 1008.751 | 1008.633 | 1009.028 | 1009.423 | 1009.521 | 1009.620 | 1009.620 | 1009.620 | 1009.166 |
| 100.0 | 978.889 | 978.771 | 978.652 | 978.534 | 978.415 | 978.415 | 978.415 | 978.494 | 978.573 | 978.534 |
| 102.5 | 943.023 | 943.122 | 943.221 | 943.181 | 943.142 | 943.102 | 943.063 | 943.221 | 943.379 | 943.339 |
| 105.0 | 907.157 | 907.473 | 907.789 | 907.829 | 907.868 | 907.789 | 907.710 | 907.947 | 908.184 | 908.145 |
| 107.5 | 855.847 | 855.926 | 856.005 | 856.163 | 856.321 | 856.577 | 856.834 | 856.518 | 856.202 | 856.321 |
| 110.0 | 804.536 | 804.378 | 804.220 | 804.497 | 804.773 | 805.366 | 805.958 | 805.089 | 804.220 | 804.497 |
| 112.5 | 747.380 | 747.261 | 747.143 | 747.360 | 747.577 | 748.387 | 749.197 | 748.703 | 748.209 | 748.367 |
| 115.0 | 690.223 | 690.144 | 690.065 | 690.223 | 690.381 | 691.408 | 692.435 | 692.317 | 692.198 | 692.238 |
| 117.5 | 646.378 | 646.279 | 646.181 | 646.141 | 646.102 | 646.615 | 647.129 | 647.050 | 646.971 | 647.010 |
| 120.0 | 602.533 | 602.415 | 602.296 | 602.059 | 601.822 | 601.822 | 601.822 | 601.783 | 601.743 | 601.783 |
| 122.5 | 566.549 | 566.450 | 566.351 | 566.430 | 566.509 | 566.568 | 566.628 | 566.509 | 566.391 | 566.430 |
| 125.0 | 530.564 | 530.485 | 530.406 | 530.801 | 531.196 | 531.315 | 531.433 | 531.236 | 531.038 | 531.078 |
| 127.5 | 506.272 | 506.153 | 506.035 | 506.627 | 507.220 | 507.180 | 507.141 | 507.062 | 506.983 | 507.081 |
| 130.0 | 481.979 | 481.821 | 481.663 | 482.453 | 483.243 | 483.046 | 482.848 | 482.888 | 482.927 | 483.085 |
| 132.5 | 449.945 | 449.885 | 449.826 | 449.767 | 449.708 | 449.668 | 449.629 | 449.964 | 450.300 | 450.103 |
| 135.0 | 417.910 | 417.950 | 417.989 | 417.081 | 416.172 | 416.291 | 416.409 | 417.041 | 417.673 | 417.120 |
| 137.5 | 403.493 | 403.493 | 403.493 | 403.098 | 402.703 | 402.762 | 402.821 | 403.078 | 403.335 | 403.098 |
| 140.0 | 389.075 | 389.036 | 388.996 | 389.115 | 389.233 | 389.233 | 389.233 | 389.115 | 388.996 | 389.075 |
| 142.5 | 373.789 | 373.670 | 373.552 | 373.650 | 373.749 | 373.848 | 373.947 | 373.848 | 373.749 | 373.789 |
| 145.0 | 358.502 | 358.305 | 358.107 | 358.186 | 358.265 | 358.463 | 358.660 | 358.581 | 358.502 | 358.502 |
| 147.5 | 353.249 | 353.170 | 353.091 | 353.012 | 352.933 | 352.913 | 352.893 | 352.972 | 353.051 | 353.071 |
| 150.0 | 347.995 | 348.035 | 348.074 | 347.837 | 347.600 | 347.363 | 347.126 | 347.363 | 347.600 | 347.640 |
| 152.5 | 338.634 | 338.693 | 338.752 | 338.476 | 338.199 | 338.160 | 338.120 | 338.199 | 338.278 | 338.278 |
| 155.0 | 329.272 | 329.351 | 329.430 | 329.114 | 328.798 | 328.956 | 329.114 | 329.035 | 328.956 | 328.917 |
| 157.5 | 320.424 | 320.503 | 320.582 | 320.424 | 320.266 | 320.701 | 321.135 | 321.194 | 321.254 | 321.155 |
| 160.0 | 311.576 | 311.655 | 311.734 | 311.734 | 311.734 | 312.445 | 313.156 | 313.354 | 313.551 | 313.393 |
| 162.5 | 307.666 | 307.666 | 307.666 | 307.922 | 308.179 | 308.673 | 309.167 | 309.325 | 309.483 | 309.364 |
| 165.0 | 303.755 | 303.676 | 303.597 | 304.111 | 304.624 | 304.901 | 305.177 | 305.296 | 305.414 | 305.335 |
| 167.5 | 298.936 | 298.818 | 298.699 | 299.292 | 299.884 | 299.904 | 299.924 | 300.082 | 300.240 | 300.082 |
| 170.0 | 294.117 | 293.959 | 293.801 | 294.473 | 295.144 | 294.907 | 294.670 | 294.868 | 295.065 | 294.828 |
| 172.5 | 292.024 | 291.945 | 291.866 | 292.142 | 292.419 | 292.280 | 292.142 | 292.201 | 292.261 | 292.261 |
| 175.0 | 289.930 | 289.930 | 289.930 | 289.812 | 289.693 | 289.654 | 289.614 | 289.535 | 289.456 | 289.693 |
| 177.5 | 293.209 | 293.209 | 293.209 | 293.149 | 293.090 | 293.070 | 293.051 | 293.011 | 292.972 | 293.090 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

**Vert.
Angles**

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 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.643 | 293.742 | 293.841 | 293.781 | 293.722 | 293.821 | 293.920 | 293.939 | 293.959 | 293.426 |
| 5.0 | 290.799 | 290.997 | 291.194 | 291.076 | 290.957 | 291.155 | 291.352 | 291.392 | 291.431 | 290.365 |
| 7.5 | 292.774 | 292.833 | 292.893 | 292.853 | 292.814 | 293.051 | 293.288 | 293.307 | 293.327 | 292.774 |
| 10.0 | 294.749 | 294.670 | 294.591 | 294.631 | 294.670 | 294.947 | 295.223 | 295.223 | 295.223 | 295.184 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 12.5 | 298.225 | 298.186 | 298.146 | 298.324 | 298.502 | 298.679 | 298.857 | 298.758 | 298.660 | 298.640 |
| 15.0 | 301.701 | 301.701 | 301.701 | 302.017 | 302.333 | 302.412 | 302.491 | 302.294 | 302.096 | 302.096 |
| 17.5 | 306.757 | 306.836 | 306.915 | 306.974 | 307.034 | 307.053 | 307.073 | 307.053 | 307.034 | 306.955 |
| 20.0 | 311.813 | 311.971 | 312.129 | 311.932 | 311.734 | 311.695 | 311.655 | 311.813 | 311.971 | 311.813 |
| 22.5 | 319.200 | 319.437 | 319.674 | 319.654 | 319.634 | 319.595 | 319.555 | 319.496 | 319.437 | 319.338 |
| 25.0 | 326.586 | 326.902 | 327.218 | 327.376 | 327.534 | 327.495 | 327.455 | 327.179 | 326.902 | 326.863 |
| 27.5 | 336.027 | 336.106 | 336.185 | 336.204 | 336.224 | 336.224 | 336.224 | 336.106 | 335.987 | 335.908 |
| 30.0 | 345.467 | 345.309 | 345.151 | 345.033 | 344.914 | 344.954 | 344.993 | 345.033 | 345.072 | 344.954 |
| 32.5 | 350.839 | 350.701 | 350.563 | 350.503 | 350.444 | 350.523 | 350.602 | 350.523 | 350.444 | 350.424 |
| 35.0 | 356.211 | 356.093 | 355.974 | 355.974 | 355.974 | 356.093 | 356.211 | 356.014 | 355.816 | 355.895 |
| 37.5 | 370.866 | 370.945 | 371.024 | 370.984 | 370.945 | 370.984 | 371.024 | 370.846 | 370.668 | 370.767 |
| 40.0 | 385.520 | 385.797 | 386.073 | 385.994 | 385.915 | 385.876 | 385.836 | 385.678 | 385.520 | 385.639 |
| 42.5 | 399.227 | 398.990 | 398.753 | 398.753 | 398.753 | 398.693 | 398.634 | 398.555 | 398.476 | 398.555 |
| 45.0 | 412.933 | 412.183 | 411.432 | 411.511 | 411.590 | 411.511 | 411.432 | 411.432 | 411.432 | 411.472 |
| 47.5 | 444.573 | 444.296 | 444.020 | 444.494 | 444.968 | 444.849 | 444.731 | 444.612 | 444.494 | 444.711 |
| 50.0 | 476.212 | 476.410 | 476.607 | 477.476 | 478.345 | 478.187 | 478.029 | 477.792 | 477.555 | 477.950 |
| 52.5 | 499.596 | 499.833 | 500.070 | 500.149 | 500.228 | 500.110 | 499.991 | 499.754 | 499.517 | 499.695 |
| 55.0 | 522.980 | 523.257 | 523.533 | 522.822 | 522.111 | 522.032 | 521.953 | 521.716 | 521.479 | 521.440 |
| 57.5 | 557.938 | 557.997 | 558.056 | 557.760 | 557.464 | 557.365 | 557.266 | 557.148 | 557.029 | 557.069 |
| 60.0 | 592.895 | 592.737 | 592.579 | 592.698 | 592.816 | 592.698 | 592.579 | 592.579 | 592.579 | 592.698 |
| 62.5 | 635.713 | 635.654 | 635.595 | 635.555 | 635.516 | 635.930 | 636.345 | 636.286 | 636.227 | 636.424 |
| 65.0 | 678.531 | 678.571 | 678.610 | 678.413 | 678.215 | 679.163 | 680.111 | 679.993 | 679.874 | 680.151 |
| 67.5 | 735.806 | 736.260 | 736.715 | 736.517 | 736.320 | 736.497 | 736.675 | 736.636 | 736.596 | 736.596 |
| 70.0 | 793.081 | 793.950 | 794.819 | 794.622 | 794.424 | 793.832 | 793.239 | 793.279 | 793.318 | 793.042 |
| 72.5 | 846.801 | 847.295 | 847.789 | 847.749 | 847.710 | 847.453 | 847.196 | 847.196 | 847.196 | 847.097 |
| 75.0 | 900.521 | 900.640 | 900.758 | 900.877 | 900.995 | 901.074 | 901.153 | 901.114 | 901.074 | 901.153 |
| 77.5 | 937.296 | 937.276 | 937.256 | 937.394 | 937.533 | 938.046 | 938.560 | 938.461 | 938.362 | 937.908 |
| 80.0 | 974.070 | 973.912 | 973.754 | 973.912 | 974.070 | 975.018 | 975.966 | 975.808 | 975.650 | 974.663 |
| 82.5 | 1008.830 | 1008.652 | 1008.475 | 1008.652 | 1008.830 | 1009.304 | 1009.778 | 1009.541 | 1009.304 | 1008.791 |
| 85.0 | 1043.590 | 1043.393 | 1043.195 | 1043.393 | 1043.590 | 1043.590 | 1043.590 | 1043.274 | 1042.958 | 1042.919 |
| 87.5 | 1050.503 | 1050.364 | 1050.226 | 1050.246 | 1050.266 | 1050.147 | 1050.029 | 1049.871 | 1049.713 | 1049.772 |
| 90.0 | 1057.415 | 1057.336 | 1057.257 | 1057.099 | 1056.941 | 1056.704 | 1056.467 | 1056.467 | 1056.467 | 1056.625 |
| 92.5 | 1048.172 | 1048.587 | 1049.002 | 1048.863 | 1048.725 | 1048.666 | 1048.607 | 1048.705 | 1048.804 | 1048.903 |
| 95.0 | 1038.929 | 1039.838 | 1040.746 | 1040.628 | 1040.509 | 1040.628 | 1040.746 | 1040.944 | 1041.141 | 1041.181 |
| 97.5 | 1008.712 | 1009.087 | 1009.462 | 1009.344 | 1009.225 | 1009.344 | 1009.462 | 1009.620 | 1009.778 | 1009.719 |
| 100.0 | 978.494 | 978.336 | 978.178 | 978.060 | 977.941 | 978.060 | 978.178 | 978.297 | 978.415 | 978.257 |
| 102.5 | 943.300 | 943.142 | 942.984 | 942.924 | 942.865 | 942.845 | 942.826 | 942.944 | 943.063 | 943.418 |
| 105.0 | 908.105 | 907.947 | 907.789 | 907.789 | 907.789 | 907.631 | 907.473 | 907.592 | 907.710 | 908.579 |
| 107.5 | 856.439 | 856.400 | 856.360 | 856.360 | 856.360 | 856.242 | 856.123 | 856.202 | 856.281 | 856.637 |
| 110.0 | 804.773 | 804.852 | 804.931 | 804.931 | 804.931 | 804.852 | 804.773 | 804.813 | 804.852 | 804.694 |
| 112.5 | 748.525 | 748.466 | 748.407 | 748.446 | 748.486 | 748.505 | 748.525 | 748.071 | 747.617 | 747.636 |
| 115.0 | 692.277 | 692.080 | 691.882 | 691.961 | 692.040 | 692.159 | 692.277 | 691.329 | 690.381 | 690.579 |
| 117.5 | 647.050 | 646.990 | 646.931 | 646.911 | 646.892 | 646.971 | 647.050 | 646.655 | 646.260 | 646.339 |
| 120.0 | 601.822 | 601.901 | 601.980 | 601.862 | 601.743 | 601.783 | 601.822 | 601.980 | 602.138 | 602.099 |
| 122.5 | 566.470 | 566.628 | 566.786 | 566.667 | 566.549 | 566.588 | 566.628 | 566.608 | 566.588 | 566.667 |
| 125.0 | 531.117 | 531.354 | 531.591 | 531.473 | 531.354 | 531.394 | 531.433 | 531.236 | 531.038 | 531.236 |
| 127.5 | 507.180 | 507.279 | 507.378 | 507.318 | 507.259 | 507.318 | 507.378 | 507.259 | 507.141 | 507.358 |
| 130.0 | 483.243 | 483.204 | 483.164 | 483.164 | 483.164 | 483.243 | 483.322 | 483.283 | 483.243 | 483.480 |
| 132.5 | 449.905 | 450.142 | 450.379 | 450.438 | 450.498 | 450.577 | 450.656 | 450.498 | 450.340 | 450.517 |
| 135.0 | 416.567 | 417.081 | 417.594 | 417.713 | 417.831 | 417.910 | 417.989 | 417.713 | 417.436 | 417.555 |
| 137.5 | 402.861 | 403.236 | 403.611 | 403.532 | 403.453 | 403.493 | 403.532 | 403.354 | 403.177 | 403.433 |
| 140.0 | 389.154 | 389.391 | 389.628 | 389.352 | 389.075 | 389.075 | 389.075 | 388.996 | 388.917 | 389.312 |
| 142.5 | 373.828 | 373.907 | 373.986 | 373.808 | 373.631 | 373.670 | 373.710 | 373.571 | 373.433 | 373.808 |
| 145.0 | 358.502 | 358.423 | 358.344 | 358.265 | 358.186 | 358.265 | 358.344 | 358.147 | 357.949 | 358.305 |
| 147.5 | 353.091 | 352.913 | 352.735 | 352.873 | 353.012 | 353.031 | 353.051 | 352.893 | 352.735 | 352.933 |
| 150.0 | 347.679 | 347.403 | 347.126 | 347.482 | 347.837 | 347.798 | 347.758 | 347.640 | 347.521 | 347.561 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 152.5 | 338.278 | 338.179 | 338.081 | 338.140 | 338.199 | 338.357 | 338.515 | 338.278 | 338.041 | 338.239 |
| 155.0 | 328.877 | 328.956 | 329.035 | 328.798 | 328.561 | 328.917 | 329.272 | 328.917 | 328.561 | 328.917 |
| 157.5 | 321.056 | 321.076 | 321.096 | 321.115 | 321.135 | 321.214 | 321.293 | 321.234 | 321.175 | 321.352 |
| 160.0 | 313.235 | 313.196 | 313.156 | 313.433 | 313.709 | 313.512 | 313.314 | 313.551 | 313.788 | 313.788 |
| 162.5 | 309.246 | 309.107 | 308.969 | 309.246 | 309.522 | 309.404 | 309.285 | 309.285 | 309.285 | 309.285 |
| 165.0 | 305.256 | 305.019 | 304.782 | 305.059 | 305.335 | 305.296 | 305.256 | 305.019 | 304.782 | 304.782 |
| 167.5 | 299.924 | 299.983 | 300.042 | 300.022 | 300.003 | 299.983 | 299.963 | 299.884 | 299.805 | 299.825 |
| 170.0 | 294.591 | 294.947 | 295.302 | 294.986 | 294.670 | 294.670 | 294.670 | 294.749 | 294.828 | 294.868 |
| 172.5 | 292.261 | 292.261 | 292.261 | 292.201 | 292.142 | 292.103 | 292.063 | 292.201 | 292.340 | 292.280 |
| 175.0 | 289.930 | 289.575 | 289.219 | 289.417 | 289.614 | 289.535 | 289.456 | 289.654 | 289.851 | 289.693 |
| 177.5 | 293.209 | 293.031 | 292.853 | 292.952 | 293.051 | 293.011 | 292.972 | 293.070 | 293.169 | 293.090 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

**Vert.
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 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 292.893 | 292.991 | 293.090 | 293.149 | 293.209 | 293.031 | 292.853 | 292.991 | 293.130 | 293.011 |
| 5.0 | 289.298 | 289.496 | 289.693 | 289.812 | 289.930 | 289.575 | 289.219 | 289.496 | 289.772 | 289.535 |
| 7.5 | 292.221 | 292.241 | 292.261 | 292.320 | 292.379 | 292.320 | 292.261 | 292.241 | 292.221 | 292.103 |
| 10.0 | 295.144 | 294.986 | 294.828 | 294.828 | 294.828 | 295.065 | 295.302 | 294.986 | 294.670 | 294.670 |
| 12.5 | 298.620 | 298.600 | 298.581 | 298.699 | 298.818 | 298.778 | 298.739 | 298.482 | 298.225 | 298.304 |
| 15.0 | 302.096 | 302.215 | 302.333 | 302.570 | 302.807 | 302.491 | 302.175 | 301.978 | 301.780 | 301.938 |
| 17.5 | 306.876 | 306.955 | 307.034 | 307.132 | 307.231 | 307.152 | 307.073 | 306.876 | 306.678 | 306.895 |
| 20.0 | 311.655 | 311.695 | 311.734 | 311.695 | 311.655 | 311.813 | 311.971 | 311.774 | 311.576 | 311.853 |
| 22.5 | 319.239 | 319.338 | 319.437 | 319.338 | 319.239 | 319.318 | 319.397 | 319.358 | 319.318 | 319.456 |
| 25.0 | 326.823 | 326.981 | 327.139 | 326.981 | 326.823 | 326.823 | 326.823 | 326.942 | 327.060 | 327.060 |
| 27.5 | 335.829 | 336.046 | 336.264 | 336.106 | 335.948 | 335.948 | 335.948 | 336.066 | 336.185 | 336.066 |
| 30.0 | 344.835 | 345.112 | 345.388 | 345.230 | 345.072 | 345.072 | 345.072 | 345.191 | 345.309 | 345.072 |
| 32.5 | 350.405 | 350.661 | 350.918 | 350.780 | 350.642 | 350.582 | 350.523 | 350.681 | 350.839 | 350.602 |
| 35.0 | 355.974 | 356.211 | 356.448 | 356.330 | 356.211 | 356.093 | 355.974 | 356.172 | 356.369 | 356.132 |
| 37.5 | 370.866 | 371.043 | 371.221 | 371.083 | 370.945 | 370.964 | 370.984 | 371.122 | 371.261 | 371.043 |
| 40.0 | 385.757 | 385.876 | 385.994 | 385.836 | 385.678 | 385.836 | 385.994 | 386.073 | 386.152 | 385.955 |
| 42.5 | 398.634 | 398.693 | 398.753 | 398.832 | 398.911 | 398.970 | 399.029 | 398.950 | 398.871 | 398.772 |
| 45.0 | 411.511 | 411.511 | 411.511 | 411.827 | 412.143 | 412.104 | 412.064 | 411.827 | 411.590 | 411.590 |
| 47.5 | 444.928 | 444.908 | 444.889 | 444.987 | 445.086 | 445.086 | 445.086 | 444.948 | 444.810 | 444.869 |
| 50.0 | 478.345 | 478.306 | 478.266 | 478.148 | 478.029 | 478.069 | 478.108 | 478.069 | 478.029 | 478.148 |
| 52.5 | 499.873 | 499.932 | 499.991 | 499.991 | 499.991 | 499.892 | 499.794 | 499.892 | 499.991 | 499.932 |
| 55.0 | 521.400 | 521.558 | 521.716 | 521.835 | 521.953 | 521.716 | 521.479 | 521.716 | 521.953 | 521.716 |
| 57.5 | 557.108 | 557.148 | 557.187 | 557.167 | 557.148 | 557.069 | 556.990 | 557.167 | 557.345 | 557.128 |
| 60.0 | 592.816 | 592.737 | 592.658 | 592.500 | 592.342 | 592.421 | 592.500 | 592.619 | 592.737 | 592.540 |
| 62.5 | 636.622 | 636.523 | 636.424 | 636.306 | 636.187 | 636.325 | 636.464 | 636.404 | 636.345 | 636.345 |
| 65.0 | 680.427 | 680.309 | 680.190 | 680.111 | 680.032 | 680.230 | 680.427 | 680.190 | 679.953 | 680.151 |
| 67.5 | 736.596 | 736.675 | 736.754 | 736.596 | 736.438 | 736.537 | 736.636 | 736.576 | 736.517 | 736.655 |
| 70.0 | 792.765 | 793.042 | 793.318 | 793.081 | 792.844 | 792.844 | 792.844 | 792.963 | 793.081 | 793.160 |
| 72.5 | 846.999 | 846.762 | 846.525 | 846.228 | 845.932 | 845.814 | 845.695 | 845.873 | 846.051 | 846.051 |
| 75.0 | 901.232 | 900.482 | 899.731 | 899.376 | 899.020 | 898.783 | 898.546 | 898.783 | 899.020 | 898.941 |
| 77.5 | 937.454 | 937.157 | 936.861 | 936.604 | 936.348 | 936.288 | 936.229 | 936.229 | 936.229 | 936.269 |
| 80.0 | 973.675 | 973.833 | 973.991 | 973.833 | 973.675 | 973.794 | 973.912 | 973.675 | 973.438 | 973.596 |
| 82.5 | 1008.277 | 1008.514 | 1008.751 | 1008.633 | 1008.514 | 1008.198 | 1007.882 | 1008.119 | 1008.356 | 1008.514 |
| 85.0 | 1042.879 | 1043.195 | 1043.511 | 1043.432 | 1043.353 | 1042.603 | 1041.852 | 1042.563 | 1043.274 | 1043.432 |
| 87.5 | 1049.831 | 1049.969 | 1050.108 | 1049.950 | 1049.792 | 1049.318 | 1048.844 | 1049.258 | 1049.673 | 1049.792 |
| 90.0 | 1056.783 | 1056.744 | 1056.704 | 1056.467 | 1056.230 | 1056.033 | 1055.835 | 1055.954 | 1056.072 | 1056.151 |
| 92.5 | 1049.002 | 1048.863 | 1048.725 | 1048.745 | 1048.765 | 1048.666 | 1048.567 | 1048.587 | 1048.607 | 1048.567 |
| 95.0 | 1041.220 | 1040.983 | 1040.746 | 1041.023 | 1041.299 | 1041.299 | 1041.299 | 1041.220 | 1041.141 | 1040.983 |
| 97.5 | 1009.660 | 1009.541 | 1009.423 | 1009.561 | 1009.699 | 1009.837 | 1009.976 | 1009.798 | 1009.620 | 1010.035 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 100.0 | 978.099 | 978.099 | 978.099 | 978.099 | 978.099 | 978.376 | 978.652 | 978.376 | 978.099 | 979.087 |
| 102.5 | 943.774 | 943.221 | 942.668 | 943.082 | 943.497 | 943.596 | 943.695 | 943.635 | 943.576 | 944.070 |
| 105.0 | 909.448 | 908.342 | 907.236 | 908.066 | 908.895 | 908.816 | 908.737 | 908.895 | 909.053 | 909.053 |
| 107.5 | 856.992 | 856.340 | 855.689 | 856.163 | 856.637 | 856.558 | 856.479 | 856.716 | 856.953 | 856.933 |
| 110.0 | 804.536 | 804.339 | 804.141 | 804.260 | 804.378 | 804.299 | 804.220 | 804.536 | 804.852 | 804.813 |
| 112.5 | 747.656 | 747.617 | 747.577 | 747.557 | 747.538 | 747.478 | 747.419 | 747.636 | 747.854 | 747.775 |
| 115.0 | 690.776 | 690.895 | 691.013 | 690.855 | 690.697 | 690.658 | 690.618 | 690.737 | 690.855 | 690.737 |
| 117.5 | 646.418 | 646.477 | 646.536 | 646.457 | 646.378 | 646.339 | 646.299 | 646.398 | 646.497 | 646.339 |
| 120.0 | 602.059 | 602.059 | 602.059 | 602.059 | 602.059 | 602.020 | 601.980 | 602.059 | 602.138 | 601.941 |
| 122.5 | 566.746 | 566.647 | 566.549 | 566.667 | 566.786 | 566.667 | 566.549 | 566.687 | 566.825 | 566.746 |
| 125.0 | 531.433 | 531.236 | 531.038 | 531.275 | 531.512 | 531.315 | 531.117 | 531.315 | 531.512 | 531.552 |
| 127.5 | 507.575 | 507.338 | 507.101 | 507.358 | 507.615 | 507.516 | 507.417 | 507.397 | 507.378 | 507.555 |
| 130.0 | 483.717 | 483.441 | 483.164 | 483.441 | 483.717 | 483.717 | 483.717 | 483.480 | 483.243 | 483.559 |
| 132.5 | 450.695 | 450.616 | 450.537 | 450.656 | 450.774 | 450.754 | 450.735 | 450.517 | 450.300 | 450.537 |
| 135.0 | 417.673 | 417.792 | 417.910 | 417.871 | 417.831 | 417.792 | 417.752 | 417.555 | 417.357 | 417.515 |
| 137.5 | 403.690 | 403.730 | 403.769 | 403.670 | 403.572 | 403.651 | 403.730 | 403.651 | 403.572 | 403.631 |
| 140.0 | 389.707 | 389.668 | 389.628 | 389.470 | 389.312 | 389.510 | 389.707 | 389.747 | 389.786 | 389.747 |
| 142.5 | 374.184 | 373.947 | 373.710 | 373.749 | 373.789 | 373.848 | 373.907 | 373.868 | 373.828 | 373.729 |
| 145.0 | 358.660 | 358.226 | 357.791 | 358.028 | 358.265 | 358.186 | 358.107 | 357.989 | 357.870 | 357.712 |
| 147.5 | 353.130 | 352.933 | 352.735 | 352.755 | 352.775 | 352.775 | 352.775 | 352.715 | 352.656 | 352.617 |
| 150.0 | 347.600 | 347.640 | 347.679 | 347.482 | 347.284 | 347.363 | 347.442 | 347.442 | 347.442 | 347.521 |
| 152.5 | 338.436 | 338.436 | 338.436 | 338.219 | 338.002 | 338.081 | 338.160 | 338.239 | 338.318 | 338.278 |
| 155.0 | 329.272 | 329.233 | 329.193 | 328.956 | 328.719 | 328.798 | 328.877 | 329.035 | 329.193 | 329.035 |
| 157.5 | 321.530 | 321.352 | 321.175 | 321.076 | 320.977 | 321.135 | 321.293 | 321.254 | 321.214 | 321.175 |
| 160.0 | 313.788 | 313.472 | 313.156 | 313.196 | 313.235 | 313.472 | 313.709 | 313.472 | 313.235 | 313.314 |
| 162.5 | 309.285 | 309.167 | 309.048 | 309.107 | 309.167 | 309.167 | 309.167 | 309.088 | 309.009 | 309.088 |
| 165.0 | 304.782 | 304.861 | 304.940 | 305.019 | 305.098 | 304.861 | 304.624 | 304.703 | 304.782 | 304.861 |
| 167.5 | 299.845 | 299.805 | 299.766 | 299.884 | 300.003 | 299.864 | 299.726 | 299.904 | 300.082 | 299.943 |
| 170.0 | 294.907 | 294.749 | 294.591 | 294.749 | 294.907 | 294.868 | 294.828 | 295.105 | 295.381 | 295.026 |
| 172.5 | 292.221 | 292.103 | 291.984 | 292.122 | 292.261 | 292.340 | 292.419 | 292.458 | 292.498 | 292.261 |
| 175.0 | 289.535 | 289.456 | 289.377 | 289.496 | 289.614 | 289.812 | 290.009 | 289.812 | 289.614 | 289.496 |
| 177.5 | 293.011 | 292.972 | 292.932 | 292.991 | 293.051 | 293.149 | 293.248 | 293.149 | 293.051 | 292.991 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|--------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 175.0 | 177.5 | 180.0 | 182.5 | 185.0 | 187.5 | 190.0 | 192.5 | 195.0 | 197.5 |
| 0.0 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 292.893 | 292.893 | 292.893 | 293.031 | 293.169 | 293.011 | 292.853 | 292.932 | 293.011 | 293.070 |
| 5.0 | 289.298 | 289.298 | 289.298 | 289.575 | 289.851 | 289.535 | 289.219 | 289.377 | 289.535 | 289.654 |
| 7.5 | 291.984 | 292.043 | 292.103 | 292.320 | 292.537 | 292.320 | 292.103 | 292.162 | 292.221 | 292.320 |
| 10.0 | 294.670 | 294.789 | 294.907 | 295.065 | 295.223 | 295.105 | 294.986 | 294.947 | 294.907 | 294.986 |
| 12.5 | 298.383 | 298.442 | 298.502 | 298.581 | 298.660 | 298.640 | 298.620 | 298.502 | 298.383 | 298.660 |
| 15.0 | 302.096 | 302.096 | 302.096 | 302.096 | 302.096 | 302.175 | 302.254 | 302.057 | 301.859 | 302.333 |
| 17.5 | 307.113 | 307.113 | 307.113 | 307.113 | 307.113 | 307.172 | 307.231 | 307.093 | 306.955 | 307.073 |
| 20.0 | 312.129 | 312.129 | 312.129 | 312.129 | 312.129 | 312.169 | 312.208 | 312.129 | 312.050 | 311.813 |
| 22.5 | 319.595 | 319.555 | 319.516 | 319.496 | 319.476 | 319.555 | 319.634 | 319.437 | 319.239 | 319.200 |
| 25.0 | 327.060 | 326.981 | 326.902 | 326.863 | 326.823 | 326.942 | 327.060 | 326.744 | 326.428 | 326.586 |
| 27.5 | 335.948 | 336.066 | 336.185 | 336.165 | 336.145 | 336.244 | 336.343 | 336.125 | 335.908 | 336.046 |
| 30.0 | 344.835 | 345.151 | 345.467 | 345.467 | 345.467 | 345.546 | 345.625 | 345.507 | 345.388 | 345.507 |
| 32.5 | 350.365 | 350.681 | 350.997 | 350.898 | 350.800 | 350.859 | 350.918 | 350.839 | 350.760 | 350.839 |
| 35.0 | 355.895 | 356.211 | 356.527 | 356.330 | 356.132 | 356.172 | 356.211 | 356.172 | 356.132 | 356.172 |
| 37.5 | 370.826 | 371.043 | 371.261 | 371.083 | 370.905 | 370.885 | 370.866 | 371.004 | 371.142 | 371.024 |
| 40.0 | 385.757 | 385.876 | 385.994 | 385.836 | 385.678 | 385.599 | 385.520 | 385.836 | 386.152 | 385.876 |
| 42.5 | 398.674 | 398.772 | 398.871 | 398.753 | 398.634 | 398.535 | 398.437 | 398.792 | 399.148 | 398.891 |
| 45.0 | 411.590 | 411.669 | 411.748 | 411.669 | 411.590 | 411.472 | 411.353 | 411.748 | 412.143 | 411.906 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 47.5 | 444.928 | 444.494 | 444.059 | 444.355 | 444.652 | 444.652 | 444.652 | 444.770 | 444.889 | 444.810 |
| 50.0 | 478.266 | 477.318 | 476.370 | 477.042 | 477.713 | 477.832 | 477.950 | 477.792 | 477.634 | 477.713 |
| 52.5 | 499.873 | 499.399 | 498.925 | 499.339 | 499.754 | 499.715 | 499.675 | 499.695 | 499.715 | 499.754 |
| 55.0 | 521.479 | 521.479 | 521.479 | 521.637 | 521.795 | 521.598 | 521.400 | 521.598 | 521.795 | 521.795 |
| 57.5 | 556.911 | 557.009 | 557.108 | 557.207 | 557.306 | 557.167 | 557.029 | 557.207 | 557.385 | 557.286 |
| 60.0 | 592.342 | 592.540 | 592.737 | 592.777 | 592.816 | 592.737 | 592.658 | 592.816 | 592.974 | 592.777 |
| 62.5 | 636.345 | 636.404 | 636.464 | 636.385 | 636.306 | 636.385 | 636.464 | 636.483 | 636.503 | 636.385 |
| 65.0 | 680.348 | 680.269 | 680.190 | 679.993 | 679.795 | 680.032 | 680.269 | 680.151 | 680.032 | 679.993 |
| 67.5 | 736.794 | 736.794 | 736.794 | 736.636 | 736.478 | 736.517 | 736.557 | 736.675 | 736.794 | 736.754 |
| 70.0 | 793.239 | 793.318 | 793.397 | 793.279 | 793.160 | 793.002 | 792.844 | 793.200 | 793.555 | 793.516 |
| 72.5 | 846.051 | 845.952 | 845.853 | 845.833 | 845.814 | 845.814 | 845.814 | 846.051 | 846.288 | 846.248 |
| 75.0 | 898.862 | 898.586 | 898.309 | 898.388 | 898.467 | 898.625 | 898.783 | 898.902 | 899.020 | 898.981 |
| 77.5 | 936.308 | 936.288 | 936.269 | 936.328 | 936.387 | 936.348 | 936.308 | 936.407 | 936.506 | 936.348 |
| 80.0 | 973.754 | 973.991 | 974.228 | 974.268 | 974.307 | 974.070 | 973.833 | 973.912 | 973.991 | 973.715 |
| 82.5 | 1008.672 | 1008.731 | 1008.791 | 1008.810 | 1008.830 | 1008.771 | 1008.712 | 1008.317 | 1007.922 | 1008.060 |
| 85.0 | 1043.590 | 1043.472 | 1043.353 | 1043.353 | 1043.353 | 1043.472 | 1043.590 | 1042.721 | 1041.852 | 1042.405 |
| 87.5 | 1049.910 | 1049.831 | 1049.752 | 1049.732 | 1049.713 | 1049.811 | 1049.910 | 1049.495 | 1049.081 | 1049.357 |
| 90.0 | 1056.230 | 1056.191 | 1056.151 | 1056.112 | 1056.072 | 1056.151 | 1056.230 | 1056.270 | 1056.309 | 1056.309 |
| 92.5 | 1048.528 | 1048.488 | 1048.449 | 1048.449 | 1048.449 | 1048.468 | 1048.488 | 1048.666 | 1048.844 | 1048.844 |
| 95.0 | 1040.825 | 1040.786 | 1040.746 | 1040.786 | 1040.825 | 1040.786 | 1040.746 | 1041.062 | 1041.378 | 1041.378 |
| 97.5 | 1010.450 | 1009.976 | 1009.502 | 1009.956 | 1010.410 | 1009.995 | 1009.581 | 1009.719 | 1009.857 | 1009.798 |
| 100.0 | 980.074 | 979.166 | 978.257 | 979.126 | 979.995 | 979.205 | 978.415 | 978.376 | 978.336 | 978.218 |
| 102.5 | 944.564 | 944.030 | 943.497 | 944.011 | 944.524 | 944.090 | 943.655 | 943.675 | 943.695 | 943.714 |
| 105.0 | 909.053 | 908.895 | 908.737 | 908.895 | 909.053 | 908.974 | 908.895 | 908.974 | 909.053 | 909.211 |
| 107.5 | 856.913 | 856.814 | 856.716 | 856.735 | 856.755 | 856.656 | 856.558 | 856.735 | 856.913 | 856.834 |
| 110.0 | 804.773 | 804.734 | 804.694 | 804.576 | 804.457 | 804.339 | 804.220 | 804.497 | 804.773 | 804.457 |
| 112.5 | 747.696 | 747.696 | 747.696 | 747.577 | 747.459 | 747.498 | 747.538 | 747.597 | 747.656 | 747.597 |
| 115.0 | 690.618 | 690.658 | 690.697 | 690.579 | 690.460 | 690.658 | 690.855 | 690.697 | 690.539 | 690.737 |
| 117.5 | 646.181 | 646.358 | 646.536 | 646.457 | 646.378 | 646.457 | 646.536 | 646.378 | 646.220 | 646.378 |
| 120.0 | 601.743 | 602.059 | 602.375 | 602.336 | 602.296 | 602.257 | 602.217 | 602.059 | 601.901 | 602.020 |
| 122.5 | 566.667 | 566.845 | 567.023 | 566.983 | 566.944 | 566.805 | 566.667 | 566.608 | 566.549 | 566.608 |
| 125.0 | 531.591 | 531.631 | 531.670 | 531.631 | 531.591 | 531.354 | 531.117 | 531.157 | 531.196 | 531.196 |
| 127.5 | 507.733 | 507.713 | 507.694 | 507.674 | 507.654 | 507.476 | 507.299 | 507.378 | 507.457 | 507.378 |
| 130.0 | 483.875 | 483.796 | 483.717 | 483.717 | 483.717 | 483.599 | 483.480 | 483.599 | 483.717 | 483.559 |
| 132.5 | 450.774 | 450.853 | 450.932 | 450.814 | 450.695 | 450.557 | 450.419 | 450.636 | 450.853 | 450.754 |
| 135.0 | 417.673 | 417.910 | 418.147 | 417.910 | 417.673 | 417.515 | 417.357 | 417.673 | 417.989 | 417.950 |
| 137.5 | 403.690 | 403.690 | 403.690 | 403.670 | 403.651 | 403.414 | 403.177 | 403.433 | 403.690 | 403.651 |
| 140.0 | 389.707 | 389.470 | 389.233 | 389.431 | 389.628 | 389.312 | 388.996 | 389.194 | 389.391 | 389.352 |
| 142.5 | 373.631 | 373.571 | 373.512 | 373.729 | 373.947 | 373.631 | 373.315 | 373.552 | 373.789 | 373.690 |
| 145.0 | 357.554 | 357.673 | 357.791 | 358.028 | 358.265 | 357.949 | 357.633 | 357.910 | 358.186 | 358.028 |
| 147.5 | 352.577 | 352.636 | 352.696 | 352.755 | 352.814 | 352.617 | 352.419 | 352.676 | 352.933 | 352.873 |
| 150.0 | 347.600 | 347.600 | 347.600 | 347.482 | 347.363 | 347.284 | 347.205 | 347.442 | 347.679 | 347.719 |
| 152.5 | 338.239 | 338.199 | 338.160 | 338.160 | 338.160 | 338.041 | 337.923 | 338.100 | 338.278 | 338.377 |
| 155.0 | 328.877 | 328.798 | 328.719 | 328.838 | 328.956 | 328.798 | 328.640 | 328.759 | 328.877 | 329.035 |
| 157.5 | 321.135 | 320.997 | 320.859 | 321.017 | 321.175 | 321.115 | 321.056 | 321.175 | 321.293 | 321.392 |
| 160.0 | 313.393 | 313.196 | 312.998 | 313.196 | 313.393 | 313.433 | 313.472 | 313.591 | 313.709 | 313.749 |
| 162.5 | 309.167 | 308.989 | 308.811 | 308.930 | 309.048 | 309.226 | 309.404 | 309.364 | 309.325 | 309.285 |
| 165.0 | 304.940 | 304.782 | 304.624 | 304.664 | 304.703 | 305.019 | 305.335 | 305.138 | 304.940 | 304.822 |
| 167.5 | 299.805 | 299.766 | 299.726 | 299.845 | 299.963 | 300.121 | 300.279 | 300.180 | 300.082 | 299.983 |
| 170.0 | 294.670 | 294.749 | 294.828 | 295.026 | 295.223 | 295.223 | 295.223 | 295.223 | 295.223 | 295.144 |
| 172.5 | 292.024 | 292.063 | 292.103 | 292.320 | 292.537 | 292.438 | 292.340 | 292.340 | 292.340 | 292.399 |
| 175.0 | 289.377 | 289.377 | 289.377 | 289.614 | 289.851 | 289.654 | 289.456 | 289.456 | 289.456 | 289.654 |
| 177.5 | 292.932 | 292.932 | 292.932 | 293.051 | 293.169 | 293.070 | 292.972 | 292.972 | 292.972 | 293.070 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

CANDELA TABULATION - (Cont.)

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 200.0 | 202.5 | 205.0 | 207.5 | 210.0 | 212.5 | 215.0 | 217.5 | 220.0 | 222.5 |
| 0.0 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.130 | 293.189 | 293.248 | 293.110 | 292.972 | 293.367 | 293.762 | 293.841 | 293.920 | 293.860 |
| 5.0 | 289.772 | 289.891 | 290.009 | 289.733 | 289.456 | 290.246 | 291.036 | 291.194 | 291.352 | 291.234 |
| 7.5 | 292.419 | 292.458 | 292.498 | 292.300 | 292.103 | 292.458 | 292.814 | 293.011 | 293.209 | 293.031 |
| 10.0 | 295.065 | 295.026 | 294.986 | 294.868 | 294.749 | 294.670 | 294.591 | 294.828 | 295.065 | 294.828 |
| 12.5 | 298.936 | 298.877 | 298.818 | 298.640 | 298.462 | 298.403 | 298.344 | 298.482 | 298.620 | 298.521 |
| 15.0 | 302.807 | 302.728 | 302.649 | 302.412 | 302.175 | 302.136 | 302.096 | 302.136 | 302.175 | 302.215 |
| 17.5 | 307.192 | 307.152 | 307.113 | 307.113 | 307.113 | 307.073 | 307.034 | 307.113 | 307.192 | 307.034 |
| 20.0 | 311.576 | 311.576 | 311.576 | 311.813 | 312.050 | 312.011 | 311.971 | 312.090 | 312.208 | 311.853 |
| 22.5 | 319.160 | 319.140 | 319.121 | 319.298 | 319.476 | 319.456 | 319.437 | 319.634 | 319.832 | 319.634 |
| 25.0 | 326.744 | 326.705 | 326.665 | 326.784 | 326.902 | 326.902 | 326.902 | 327.179 | 327.455 | 327.416 |
| 27.5 | 336.185 | 336.046 | 335.908 | 336.086 | 336.264 | 336.185 | 336.106 | 336.145 | 336.185 | 336.323 |
| 30.0 | 345.625 | 345.388 | 345.151 | 345.388 | 345.625 | 345.467 | 345.309 | 345.112 | 344.914 | 345.230 |
| 32.5 | 350.918 | 350.800 | 350.681 | 350.760 | 350.839 | 350.780 | 350.721 | 350.563 | 350.405 | 350.622 |
| 35.0 | 356.211 | 356.211 | 356.211 | 356.132 | 356.053 | 356.093 | 356.132 | 356.014 | 355.895 | 356.014 |
| 37.5 | 370.905 | 371.004 | 371.103 | 371.043 | 370.984 | 370.964 | 370.945 | 370.984 | 371.024 | 370.925 |
| 40.0 | 385.599 | 385.797 | 385.994 | 385.955 | 385.915 | 385.836 | 385.757 | 385.955 | 386.152 | 385.836 |
| 42.5 | 398.634 | 398.693 | 398.753 | 398.713 | 398.674 | 398.674 | 398.674 | 398.911 | 399.148 | 398.911 |
| 45.0 | 411.669 | 411.590 | 411.511 | 411.472 | 411.432 | 411.511 | 411.590 | 411.867 | 412.143 | 411.985 |
| 47.5 | 444.731 | 444.671 | 444.612 | 444.592 | 444.573 | 444.573 | 444.573 | 444.750 | 444.928 | 445.007 |
| 50.0 | 477.792 | 477.753 | 477.713 | 477.713 | 477.713 | 477.634 | 477.555 | 477.634 | 477.713 | 478.029 |
| 52.5 | 499.794 | 499.695 | 499.596 | 499.636 | 499.675 | 499.557 | 499.438 | 499.576 | 499.715 | 499.873 |
| 55.0 | 521.795 | 521.637 | 521.479 | 521.558 | 521.637 | 521.479 | 521.321 | 521.519 | 521.716 | 521.716 |
| 57.5 | 557.187 | 557.108 | 557.029 | 556.970 | 556.911 | 556.950 | 556.990 | 557.108 | 557.227 | 557.108 |
| 60.0 | 592.579 | 592.579 | 592.579 | 592.382 | 592.184 | 592.421 | 592.658 | 592.698 | 592.737 | 592.500 |
| 62.5 | 636.266 | 636.246 | 636.227 | 636.286 | 636.345 | 636.365 | 636.385 | 636.365 | 636.345 | 635.930 |
| 65.0 | 679.953 | 679.914 | 679.874 | 680.190 | 680.506 | 680.309 | 680.111 | 680.032 | 679.953 | 679.361 |
| 67.5 | 736.715 | 736.715 | 736.715 | 736.813 | 736.912 | 736.833 | 736.754 | 736.675 | 736.596 | 736.715 |
| 70.0 | 793.476 | 793.516 | 793.555 | 793.437 | 793.318 | 793.358 | 793.397 | 793.318 | 793.239 | 794.069 |
| 72.5 | 846.209 | 846.584 | 846.959 | 847.078 | 847.196 | 847.255 | 847.315 | 847.078 | 846.841 | 847.275 |
| 75.0 | 898.941 | 899.652 | 900.363 | 900.719 | 901.074 | 901.153 | 901.232 | 900.837 | 900.442 | 900.482 |
| 77.5 | 936.190 | 936.506 | 936.822 | 937.217 | 937.612 | 937.947 | 938.283 | 938.145 | 938.007 | 937.730 |
| 80.0 | 973.438 | 973.359 | 973.280 | 973.715 | 974.149 | 974.742 | 975.334 | 975.453 | 975.571 | 974.979 |
| 82.5 | 1008.198 | 1008.178 | 1008.159 | 1008.396 | 1008.633 | 1008.988 | 1009.344 | 1009.383 | 1009.423 | 1009.166 |
| 85.0 | 1042.958 | 1042.998 | 1043.037 | 1043.077 | 1043.116 | 1043.235 | 1043.353 | 1043.314 | 1043.274 | 1043.353 |
| 87.5 | 1049.634 | 1049.713 | 1049.792 | 1049.890 | 1049.989 | 1049.890 | 1049.792 | 1049.910 | 1050.029 | 1050.029 |
| 90.0 | 1056.309 | 1056.428 | 1056.546 | 1056.704 | 1056.862 | 1056.546 | 1056.230 | 1056.507 | 1056.783 | 1056.704 |
| 92.5 | 1048.844 | 1048.883 | 1048.923 | 1049.002 | 1049.081 | 1048.784 | 1048.488 | 1048.626 | 1048.765 | 1048.666 |
| 95.0 | 1041.378 | 1041.339 | 1041.299 | 1041.299 | 1041.299 | 1041.023 | 1040.746 | 1040.746 | 1040.746 | 1040.628 |
| 97.5 | 1009.739 | 1009.699 | 1009.660 | 1009.818 | 1009.976 | 1009.837 | 1009.699 | 1009.699 | 1009.699 | 1009.600 |
| 100.0 | 978.099 | 978.060 | 978.020 | 978.336 | 978.652 | 978.652 | 978.652 | 978.652 | 978.652 | 978.573 |
| 102.5 | 943.734 | 943.319 | 942.905 | 943.398 | 943.892 | 943.458 | 943.023 | 943.142 | 943.260 | 943.280 |
| 105.0 | 909.369 | 908.579 | 907.789 | 908.461 | 909.132 | 908.263 | 907.394 | 907.631 | 907.868 | 907.987 |
| 107.5 | 856.755 | 856.360 | 855.965 | 856.301 | 856.637 | 856.321 | 856.005 | 856.182 | 856.360 | 856.400 |
| 110.0 | 804.141 | 804.141 | 804.141 | 804.141 | 804.141 | 804.378 | 804.615 | 804.734 | 804.852 | 804.813 |
| 112.5 | 747.538 | 747.399 | 747.261 | 747.419 | 747.577 | 747.656 | 747.735 | 748.110 | 748.486 | 748.426 |
| 115.0 | 690.934 | 690.658 | 690.381 | 690.697 | 691.013 | 690.934 | 690.855 | 691.487 | 692.119 | 692.040 |
| 117.5 | 646.536 | 646.477 | 646.418 | 646.497 | 646.576 | 646.497 | 646.418 | 646.852 | 647.287 | 647.069 |
| 120.0 | 602.138 | 602.296 | 602.454 | 602.296 | 602.138 | 602.059 | 601.980 | 602.217 | 602.454 | 602.099 |
| 122.5 | 566.667 | 566.707 | 566.746 | 566.786 | 566.825 | 566.766 | 566.707 | 566.786 | 566.865 | 566.766 |
| 125.0 | 531.196 | 531.117 | 531.038 | 531.275 | 531.512 | 531.473 | 531.433 | 531.354 | 531.275 | 531.433 |
| 127.5 | 507.299 | 507.378 | 507.457 | 507.595 | 507.733 | 507.713 | 507.694 | 507.476 | 507.259 | 507.496 |
| 130.0 | 483.401 | 483.638 | 483.875 | 483.915 | 483.954 | 483.954 | 483.954 | 483.599 | 483.243 | 483.559 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 132.5 | 450.656 | 450.675 | 450.695 | 450.695 | 450.695 | 450.814 | 450.932 | 450.774 | 450.616 | 450.735 |
| 135.0 | 417.910 | 417.713 | 417.515 | 417.476 | 417.436 | 417.673 | 417.910 | 417.950 | 417.989 | 417.910 |
| 137.5 | 403.611 | 403.473 | 403.335 | 403.453 | 403.572 | 403.690 | 403.809 | 403.710 | 403.611 | 403.552 |
| 140.0 | 389.312 | 389.233 | 389.154 | 389.431 | 389.707 | 389.707 | 389.707 | 389.470 | 389.233 | 389.194 |
| 142.5 | 373.591 | 373.611 | 373.631 | 373.769 | 373.907 | 373.907 | 373.907 | 373.729 | 373.552 | 373.492 |
| 145.0 | 357.870 | 357.989 | 358.107 | 358.107 | 358.107 | 358.107 | 358.107 | 357.989 | 357.870 | 357.791 |
| 147.5 | 352.814 | 352.775 | 352.735 | 352.834 | 352.933 | 352.952 | 352.972 | 352.814 | 352.656 | 352.518 |
| 150.0 | 347.758 | 347.561 | 347.363 | 347.561 | 347.758 | 347.798 | 347.837 | 347.640 | 347.442 | 347.245 |
| 152.5 | 338.476 | 338.278 | 338.081 | 338.239 | 338.397 | 338.476 | 338.555 | 338.318 | 338.081 | 338.100 |
| 155.0 | 329.193 | 328.996 | 328.798 | 328.917 | 329.035 | 329.154 | 329.272 | 328.996 | 328.719 | 328.956 |
| 157.5 | 321.491 | 321.194 | 320.898 | 321.115 | 321.333 | 321.431 | 321.530 | 321.234 | 320.938 | 321.175 |
| 160.0 | 313.788 | 313.393 | 312.998 | 313.314 | 313.630 | 313.709 | 313.788 | 313.472 | 313.156 | 313.393 |
| 162.5 | 309.246 | 309.206 | 309.167 | 309.246 | 309.325 | 309.305 | 309.285 | 309.265 | 309.246 | 309.186 |
| 165.0 | 304.703 | 305.019 | 305.335 | 305.177 | 305.019 | 304.901 | 304.782 | 305.059 | 305.335 | 304.980 |
| 167.5 | 299.884 | 300.042 | 300.200 | 300.003 | 299.805 | 299.766 | 299.726 | 299.845 | 299.963 | 299.805 |
| 170.0 | 295.065 | 295.065 | 295.065 | 294.828 | 294.591 | 294.631 | 294.670 | 294.631 | 294.591 | 294.631 |
| 172.5 | 292.458 | 292.320 | 292.182 | 292.043 | 291.905 | 292.083 | 292.261 | 292.241 | 292.221 | 292.261 |
| 175.0 | 289.851 | 289.575 | 289.298 | 289.259 | 289.219 | 289.535 | 289.851 | 289.851 | 289.851 | 289.891 |
| 177.5 | 293.169 | 293.031 | 292.893 | 292.873 | 292.853 | 293.011 | 293.169 | 293.169 | 293.169 | 293.189 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

**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 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.801 | 293.841 | 293.880 | 293.742 | 293.604 | 293.722 | 293.841 | 293.801 | 293.762 | 293.841 |
| 5.0 | 291.115 | 291.194 | 291.273 | 290.997 | 290.720 | 290.957 | 291.194 | 291.115 | 291.036 | 291.194 |
| 7.5 | 292.853 | 292.991 | 293.130 | 293.031 | 292.932 | 292.952 | 292.972 | 292.932 | 292.893 | 292.972 |
| 10.0 | 294.591 | 294.789 | 294.986 | 295.065 | 295.144 | 294.947 | 294.749 | 294.749 | 294.749 | 294.749 |
| 12.5 | 298.423 | 298.561 | 298.699 | 298.660 | 298.620 | 298.916 | 299.213 | 299.272 | 299.331 | 299.351 |
| 15.0 | 302.254 | 302.333 | 302.412 | 302.254 | 302.096 | 302.886 | 303.676 | 303.795 | 303.913 | 303.953 |
| 17.5 | 306.876 | 307.014 | 307.152 | 307.053 | 306.955 | 307.330 | 307.705 | 307.764 | 307.824 | 307.883 |
| 20.0 | 311.497 | 311.695 | 311.892 | 311.853 | 311.813 | 311.774 | 311.734 | 311.734 | 311.734 | 311.813 |
| 22.5 | 319.437 | 319.417 | 319.397 | 319.318 | 319.239 | 319.298 | 319.358 | 319.318 | 319.279 | 319.516 |
| 25.0 | 327.376 | 327.139 | 326.902 | 326.784 | 326.665 | 326.823 | 326.981 | 326.902 | 326.823 | 327.218 |
| 27.5 | 336.461 | 336.264 | 336.066 | 336.046 | 336.027 | 335.987 | 335.948 | 336.046 | 336.145 | 336.204 |
| 30.0 | 345.546 | 345.388 | 345.230 | 345.309 | 345.388 | 345.151 | 344.914 | 345.191 | 345.467 | 345.191 |
| 32.5 | 350.839 | 350.721 | 350.602 | 350.681 | 350.760 | 350.602 | 350.444 | 350.938 | 351.432 | 351.432 |
| 35.0 | 356.132 | 356.053 | 355.974 | 356.053 | 356.132 | 356.053 | 355.974 | 356.685 | 357.396 | 357.673 |
| 37.5 | 370.826 | 370.846 | 370.866 | 370.905 | 370.945 | 370.945 | 370.945 | 371.083 | 371.221 | 371.498 |
| 40.0 | 385.520 | 385.639 | 385.757 | 385.757 | 385.757 | 385.836 | 385.915 | 385.481 | 385.046 | 385.323 |
| 42.5 | 398.674 | 398.753 | 398.832 | 399.167 | 399.503 | 399.543 | 399.582 | 399.444 | 399.306 | 399.266 |
| 45.0 | 411.827 | 411.867 | 411.906 | 412.578 | 413.249 | 413.249 | 413.249 | 413.407 | 413.565 | 413.210 |
| 47.5 | 445.086 | 444.533 | 443.980 | 444.454 | 444.928 | 444.908 | 444.889 | 445.007 | 445.126 | 444.948 |
| 50.0 | 478.345 | 477.200 | 476.054 | 476.331 | 476.607 | 476.568 | 476.528 | 476.607 | 476.686 | 476.686 |
| 52.5 | 500.031 | 499.853 | 499.675 | 499.774 | 499.873 | 499.813 | 499.754 | 499.853 | 499.952 | 499.991 |
| 55.0 | 521.716 | 522.506 | 523.296 | 523.217 | 523.138 | 523.059 | 522.980 | 523.099 | 523.217 | 523.296 |
| 57.5 | 556.990 | 557.464 | 557.938 | 557.859 | 557.780 | 557.839 | 557.898 | 557.938 | 557.977 | 557.938 |
| 60.0 | 592.263 | 592.421 | 592.579 | 592.500 | 592.421 | 592.619 | 592.816 | 592.777 | 592.737 | 592.579 |
| 62.5 | 635.516 | 635.555 | 635.595 | 635.555 | 635.516 | 635.654 | 635.792 | 635.693 | 635.595 | 635.634 |
| 65.0 | 678.768 | 678.689 | 678.610 | 678.610 | 678.610 | 678.689 | 678.768 | 678.610 | 678.452 | 678.689 |
| 67.5 | 736.833 | 736.734 | 736.636 | 736.320 | 736.004 | 735.944 | 735.885 | 735.944 | 736.004 | 735.984 |
| 70.0 | 794.898 | 794.780 | 794.661 | 794.029 | 793.397 | 793.200 | 793.002 | 793.279 | 793.555 | 793.279 |
| 72.5 | 847.710 | 847.650 | 847.591 | 847.315 | 847.038 | 846.860 | 846.683 | 846.900 | 847.117 | 846.939 |
| 75.0 | 900.521 | 900.521 | 900.521 | 900.600 | 900.679 | 900.521 | 900.363 | 900.521 | 900.679 | 900.600 |
| 77.5 | 937.454 | 937.296 | 937.138 | 937.256 | 937.375 | 937.256 | 937.138 | 937.197 | 937.256 | 937.335 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 80.0 | 974.386 | 974.070 | 973.754 | 973.912 | 974.070 | 973.991 | 973.912 | 973.873 | 973.833 | 974.070 |
| 82.5 | 1008.909 | 1008.712 | 1008.514 | 1008.534 | 1008.554 | 1008.810 | 1009.067 | 1009.047 | 1009.028 | 1009.166 |
| 85.0 | 1043.432 | 1043.353 | 1043.274 | 1043.156 | 1043.037 | 1043.630 | 1044.222 | 1044.222 | 1044.222 | 1044.262 |
| 87.5 | 1050.029 | 1050.266 | 1050.503 | 1050.443 | 1050.384 | 1050.621 | 1050.858 | 1050.878 | 1050.898 | 1050.858 |
| 90.0 | 1056.625 | 1057.178 | 1057.731 | 1057.731 | 1057.731 | 1057.613 | 1057.494 | 1057.534 | 1057.573 | 1057.455 |
| 92.5 | 1048.567 | 1048.923 | 1049.278 | 1048.844 | 1048.409 | 1048.705 | 1049.002 | 1049.100 | 1049.199 | 1049.081 |
| 95.0 | 1040.509 | 1040.667 | 1040.825 | 1039.956 | 1039.087 | 1039.798 | 1040.509 | 1040.667 | 1040.825 | 1040.707 |
| 97.5 | 1009.502 | 1009.482 | 1009.462 | 1009.047 | 1008.633 | 1009.087 | 1009.541 | 1009.541 | 1009.541 | 1009.462 |
| 100.0 | 978.494 | 978.297 | 978.099 | 978.139 | 978.178 | 978.376 | 978.573 | 978.415 | 978.257 | 978.218 |
| 102.5 | 943.300 | 943.102 | 942.905 | 943.082 | 943.260 | 943.240 | 943.221 | 943.082 | 942.944 | 942.924 |
| 105.0 | 908.105 | 907.908 | 907.710 | 908.026 | 908.342 | 908.105 | 907.868 | 907.750 | 907.631 | 907.631 |
| 107.5 | 856.439 | 856.222 | 856.005 | 856.281 | 856.558 | 856.340 | 856.123 | 856.400 | 856.676 | 856.340 |
| 110.0 | 804.773 | 804.536 | 804.299 | 804.536 | 804.773 | 804.576 | 804.378 | 805.050 | 805.721 | 805.050 |
| 112.5 | 748.367 | 748.347 | 748.328 | 748.387 | 748.446 | 748.367 | 748.288 | 748.624 | 748.960 | 748.328 |
| 115.0 | 691.961 | 692.159 | 692.356 | 692.238 | 692.119 | 692.159 | 692.198 | 692.198 | 692.198 | 691.606 |
| 117.5 | 646.852 | 646.990 | 647.129 | 647.089 | 647.050 | 647.050 | 647.050 | 647.069 | 647.089 | 646.892 |
| 120.0 | 601.743 | 601.822 | 601.901 | 601.941 | 601.980 | 601.941 | 601.901 | 601.941 | 601.980 | 602.178 |
| 122.5 | 566.667 | 566.687 | 566.707 | 566.746 | 566.786 | 566.608 | 566.430 | 566.489 | 566.549 | 566.766 |
| 125.0 | 531.591 | 531.552 | 531.512 | 531.552 | 531.591 | 531.275 | 530.959 | 531.038 | 531.117 | 531.354 |
| 127.5 | 507.733 | 507.476 | 507.220 | 507.457 | 507.694 | 507.378 | 507.062 | 507.160 | 507.259 | 507.417 |
| 130.0 | 483.875 | 483.401 | 482.927 | 483.362 | 483.796 | 483.480 | 483.164 | 483.283 | 483.401 | 483.480 |
| 132.5 | 450.853 | 450.577 | 450.300 | 450.221 | 450.142 | 450.399 | 450.656 | 450.300 | 449.945 | 449.964 |
| 135.0 | 417.831 | 417.752 | 417.673 | 417.081 | 416.488 | 417.318 | 418.147 | 417.318 | 416.488 | 416.449 |
| 137.5 | 403.493 | 403.473 | 403.453 | 403.117 | 402.782 | 403.315 | 403.848 | 403.414 | 402.979 | 402.979 |
| 140.0 | 389.154 | 389.194 | 389.233 | 389.154 | 389.075 | 389.312 | 389.549 | 389.510 | 389.470 | 389.510 |
| 142.5 | 373.433 | 373.532 | 373.631 | 373.710 | 373.789 | 373.808 | 373.828 | 373.868 | 373.907 | 373.887 |
| 145.0 | 357.712 | 357.870 | 358.028 | 358.265 | 358.502 | 358.305 | 358.107 | 358.226 | 358.344 | 358.265 |
| 147.5 | 352.380 | 352.577 | 352.775 | 352.972 | 353.170 | 353.071 | 352.972 | 352.972 | 352.972 | 352.873 |
| 150.0 | 347.047 | 347.284 | 347.521 | 347.679 | 347.837 | 347.837 | 347.837 | 347.719 | 347.600 | 347.482 |
| 152.5 | 338.120 | 338.081 | 338.041 | 338.239 | 338.436 | 338.397 | 338.357 | 338.337 | 338.318 | 338.318 |
| 155.0 | 329.193 | 328.877 | 328.561 | 328.798 | 329.035 | 328.956 | 328.877 | 328.956 | 329.035 | 329.154 |
| 157.5 | 321.412 | 321.194 | 320.977 | 321.096 | 321.214 | 321.254 | 321.293 | 321.293 | 321.293 | 320.918 |
| 160.0 | 313.630 | 313.512 | 313.393 | 313.393 | 313.393 | 313.551 | 313.709 | 313.630 | 313.551 | 312.682 |
| 162.5 | 309.127 | 309.246 | 309.364 | 309.285 | 309.206 | 309.325 | 309.443 | 309.384 | 309.325 | 308.910 |
| 165.0 | 304.624 | 304.980 | 305.335 | 305.177 | 305.019 | 305.098 | 305.177 | 305.138 | 305.098 | 305.138 |
| 167.5 | 299.647 | 299.943 | 300.240 | 300.042 | 299.845 | 299.943 | 300.042 | 299.943 | 299.845 | 299.884 |
| 170.0 | 294.670 | 294.907 | 295.144 | 294.907 | 294.670 | 294.789 | 294.907 | 294.749 | 294.591 | 294.631 |
| 172.5 | 292.300 | 292.300 | 292.300 | 292.280 | 292.261 | 292.340 | 292.419 | 292.241 | 292.063 | 292.083 |
| 175.0 | 289.930 | 289.693 | 289.456 | 289.654 | 289.851 | 289.891 | 289.930 | 289.733 | 289.535 | 289.535 |
| 177.5 | 293.209 | 293.090 | 292.972 | 293.070 | 293.169 | 293.189 | 293.209 | 293.110 | 293.011 | 293.011 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

Vert. Angles **Horizontal 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 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.920 | 293.762 | 293.604 | 293.762 | 293.920 | 293.880 | 293.841 | 293.742 | 293.643 | 293.623 |
| 5.0 | 291.352 | 291.036 | 290.720 | 291.036 | 291.352 | 291.273 | 291.194 | 290.997 | 290.799 | 290.760 |
| 7.5 | 293.051 | 292.991 | 292.932 | 292.991 | 293.051 | 293.090 | 293.130 | 293.090 | 293.051 | 292.991 |
| 10.0 | 294.749 | 294.947 | 295.144 | 294.947 | 294.749 | 294.907 | 295.065 | 295.184 | 295.302 | 295.223 |
| 12.5 | 299.371 | 299.529 | 299.687 | 299.568 | 299.450 | 299.390 | 299.331 | 299.390 | 299.450 | 299.450 |
| 15.0 | 303.992 | 304.111 | 304.229 | 304.190 | 304.150 | 303.874 | 303.597 | 303.597 | 303.597 | 303.676 |
| 17.5 | 307.942 | 307.922 | 307.903 | 308.001 | 308.100 | 307.903 | 307.705 | 307.784 | 307.863 | 307.784 |
| 20.0 | 311.892 | 311.734 | 311.576 | 311.813 | 312.050 | 311.932 | 311.813 | 311.971 | 312.129 | 311.892 |
| 22.5 | 319.753 | 319.496 | 319.239 | 319.456 | 319.674 | 319.654 | 319.634 | 319.674 | 319.713 | 319.516 |
| 25.0 | 327.613 | 327.258 | 326.902 | 327.100 | 327.297 | 327.376 | 327.455 | 327.376 | 327.297 | 327.139 |

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 27.5 | 336.264 | 336.185 | 336.106 | 336.204 | 336.303 | 336.264 | 336.224 | 336.283 | 336.343 | 336.185 |
| 30.0 | 344.914 | 345.112 | 345.309 | 345.309 | 345.309 | 345.151 | 344.993 | 345.191 | 345.388 | 345.230 |
| 32.5 | 351.432 | 351.392 | 351.353 | 350.977 | 350.602 | 350.523 | 350.444 | 350.681 | 350.918 | 350.721 |
| 35.0 | 357.949 | 357.673 | 357.396 | 356.646 | 355.895 | 355.895 | 355.895 | 356.172 | 356.448 | 356.211 |
| 37.5 | 371.774 | 371.517 | 371.261 | 371.043 | 370.826 | 370.767 | 370.708 | 370.787 | 370.866 | 370.866 |
| 40.0 | 385.599 | 385.362 | 385.125 | 385.441 | 385.757 | 385.639 | 385.520 | 385.402 | 385.283 | 385.520 |
| 42.5 | 399.227 | 399.246 | 399.266 | 399.345 | 399.424 | 399.444 | 399.464 | 399.523 | 399.582 | 399.543 |
| 45.0 | 412.854 | 413.131 | 413.407 | 413.249 | 413.091 | 413.249 | 413.407 | 413.644 | 413.881 | 413.565 |
| 47.5 | 444.770 | 444.770 | 444.770 | 444.691 | 444.612 | 444.770 | 444.928 | 445.126 | 445.323 | 445.047 |
| 50.0 | 476.686 | 476.410 | 476.133 | 476.133 | 476.133 | 476.291 | 476.449 | 476.607 | 476.765 | 476.528 |
| 52.5 | 500.031 | 499.873 | 499.715 | 499.655 | 499.596 | 499.813 | 500.031 | 500.090 | 500.149 | 500.050 |
| 55.0 | 523.375 | 523.336 | 523.296 | 523.178 | 523.059 | 523.336 | 523.612 | 523.573 | 523.533 | 523.573 |
| 57.5 | 557.898 | 557.977 | 558.056 | 557.977 | 557.898 | 557.957 | 558.017 | 557.977 | 557.938 | 557.997 |
| 60.0 | 592.421 | 592.619 | 592.816 | 592.777 | 592.737 | 592.579 | 592.421 | 592.382 | 592.342 | 592.421 |
| 62.5 | 635.674 | 635.733 | 635.792 | 635.733 | 635.674 | 636.227 | 636.780 | 636.760 | 636.740 | 636.819 |
| 65.0 | 678.926 | 678.847 | 678.768 | 678.689 | 678.610 | 679.874 | 681.138 | 681.138 | 681.138 | 681.217 |
| 67.5 | 735.964 | 736.300 | 736.636 | 736.438 | 736.241 | 736.932 | 737.623 | 737.663 | 737.702 | 737.643 |
| 70.0 | 793.002 | 793.753 | 794.503 | 794.187 | 793.871 | 793.990 | 794.108 | 794.187 | 794.266 | 794.069 |
| 72.5 | 846.762 | 847.552 | 848.342 | 848.263 | 848.184 | 847.729 | 847.275 | 847.789 | 848.302 | 847.868 |
| 75.0 | 900.521 | 901.351 | 902.180 | 902.338 | 902.496 | 901.469 | 900.442 | 901.390 | 902.338 | 901.667 |
| 77.5 | 937.414 | 937.789 | 938.165 | 938.698 | 939.231 | 938.955 | 938.678 | 939.132 | 939.587 | 939.251 |
| 80.0 | 974.307 | 974.228 | 974.149 | 975.058 | 975.966 | 976.440 | 976.914 | 976.875 | 976.835 | 976.835 |
| 82.5 | 1009.304 | 1009.620 | 1009.936 | 1010.410 | 1010.884 | 1011.062 | 1011.240 | 1011.180 | 1011.121 | 1011.240 |
| 85.0 | 1044.301 | 1045.012 | 1045.723 | 1045.763 | 1045.802 | 1045.684 | 1045.565 | 1045.486 | 1045.407 | 1045.644 |
| 87.5 | 1050.819 | 1050.977 | 1051.135 | 1050.957 | 1050.779 | 1050.878 | 1050.977 | 1050.819 | 1050.661 | 1050.799 |
| 90.0 | 1057.336 | 1056.941 | 1056.546 | 1056.151 | 1055.756 | 1056.072 | 1056.388 | 1056.151 | 1055.914 | 1055.954 |
| 92.5 | 1048.962 | 1048.350 | 1047.738 | 1047.481 | 1047.224 | 1047.540 | 1047.856 | 1047.619 | 1047.382 | 1047.362 |
| 95.0 | 1040.588 | 1039.759 | 1038.929 | 1038.811 | 1038.692 | 1039.008 | 1039.324 | 1039.087 | 1038.850 | 1038.771 |
| 97.5 | 1009.383 | 1009.186 | 1008.988 | 1008.929 | 1008.870 | 1008.929 | 1008.988 | 1008.791 | 1008.593 | 1008.554 |
| 100.0 | 978.178 | 978.613 | 979.047 | 979.047 | 979.047 | 978.850 | 978.652 | 978.494 | 978.336 | 978.336 |
| 102.5 | 942.905 | 943.201 | 943.497 | 943.339 | 943.181 | 943.122 | 943.063 | 942.944 | 942.826 | 942.984 |
| 105.0 | 907.631 | 907.789 | 907.947 | 907.631 | 907.315 | 907.394 | 907.473 | 907.394 | 907.315 | 907.631 |
| 107.5 | 856.005 | 856.123 | 856.242 | 856.123 | 856.005 | 855.945 | 855.886 | 855.965 | 856.044 | 856.064 |
| 110.0 | 804.378 | 804.457 | 804.536 | 804.615 | 804.694 | 804.497 | 804.299 | 804.536 | 804.773 | 804.497 |
| 112.5 | 747.696 | 747.459 | 747.222 | 747.281 | 747.340 | 747.202 | 747.064 | 747.478 | 747.893 | 747.577 |
| 115.0 | 691.013 | 690.460 | 689.907 | 689.947 | 689.986 | 689.907 | 689.828 | 690.421 | 691.013 | 690.658 |
| 117.5 | 646.694 | 646.339 | 645.983 | 646.042 | 646.102 | 646.082 | 646.062 | 646.398 | 646.734 | 646.457 |
| 120.0 | 602.375 | 602.217 | 602.059 | 602.138 | 602.217 | 602.257 | 602.296 | 602.375 | 602.454 | 602.257 |
| 122.5 | 566.983 | 566.628 | 566.272 | 566.331 | 566.391 | 566.430 | 566.470 | 566.470 | 566.470 | 566.252 |
| 125.0 | 531.591 | 531.038 | 530.485 | 530.525 | 530.564 | 530.604 | 530.643 | 530.564 | 530.485 | 530.248 |
| 127.5 | 507.575 | 506.825 | 506.074 | 506.272 | 506.469 | 506.370 | 506.272 | 506.331 | 506.390 | 506.153 |
| 130.0 | 483.559 | 482.611 | 481.663 | 482.019 | 482.374 | 482.137 | 481.900 | 482.098 | 482.295 | 482.058 |
| 132.5 | 449.984 | 449.787 | 449.589 | 449.767 | 449.945 | 449.471 | 448.997 | 449.530 | 450.063 | 449.668 |
| 135.0 | 416.409 | 416.962 | 417.515 | 417.515 | 417.515 | 416.804 | 416.093 | 416.962 | 417.831 | 417.278 |
| 137.5 | 402.979 | 403.078 | 403.177 | 403.295 | 403.414 | 402.940 | 402.466 | 402.880 | 403.295 | 403.038 |
| 140.0 | 389.549 | 389.194 | 388.838 | 389.075 | 389.312 | 389.075 | 388.838 | 388.799 | 388.759 | 388.799 |
| 142.5 | 373.868 | 373.650 | 373.433 | 373.631 | 373.828 | 373.789 | 373.749 | 373.650 | 373.552 | 373.650 |
| 145.0 | 358.186 | 358.107 | 358.028 | 358.186 | 358.344 | 358.502 | 358.660 | 358.502 | 358.344 | 358.502 |
| 147.5 | 352.775 | 352.794 | 352.814 | 352.992 | 353.170 | 352.873 | 352.577 | 352.518 | 352.459 | 352.597 |
| 150.0 | 347.363 | 347.482 | 347.600 | 347.798 | 347.995 | 347.245 | 346.494 | 346.534 | 346.573 | 346.692 |
| 152.5 | 338.318 | 338.357 | 338.397 | 338.574 | 338.752 | 338.397 | 338.041 | 337.923 | 337.804 | 338.002 |
| 155.0 | 329.272 | 329.233 | 329.193 | 329.351 | 329.509 | 329.549 | 329.588 | 329.312 | 329.035 | 329.312 |
| 157.5 | 320.543 | 320.464 | 320.385 | 320.582 | 320.780 | 320.819 | 320.859 | 320.622 | 320.385 | 320.464 |
| 160.0 | 311.813 | 311.695 | 311.576 | 311.813 | 312.050 | 312.090 | 312.129 | 311.932 | 311.734 | 311.616 |
| 162.5 | 308.495 | 308.100 | 307.705 | 307.922 | 308.140 | 308.100 | 308.061 | 308.041 | 308.021 | 307.863 |
| 165.0 | 305.177 | 304.506 | 303.834 | 304.032 | 304.229 | 304.111 | 303.992 | 304.150 | 304.308 | 304.111 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 167.5 | 299.924 | 299.410 | 298.897 | 298.995 | 299.094 | 298.976 | 298.857 | 298.916 | 298.976 | 299.035 |
| 170.0 | 294.670 | 294.315 | 293.959 | 293.959 | 293.959 | 293.841 | 293.722 | 293.683 | 293.643 | 293.959 |
| 172.5 | 292.103 | 292.142 | 292.182 | 292.142 | 292.103 | 292.024 | 291.945 | 291.846 | 291.747 | 291.866 |
| 175.0 | 289.535 | 289.970 | 290.404 | 290.325 | 290.246 | 290.207 | 290.167 | 290.009 | 289.851 | 289.772 |
| 177.5 | 293.011 | 293.228 | 293.446 | 293.406 | 293.367 | 293.347 | 293.327 | 293.248 | 293.169 | 293.130 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

Vert. Angles **Horizontal Angles**

| | <u>275.0</u> | <u>277.5</u> | <u>280.0</u> | <u>282.5</u> | <u>285.0</u> | <u>287.5</u> | <u>290.0</u> | <u>292.5</u> | <u>295.0</u> | <u>297.5</u> |
|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 0.0 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.604 | 293.683 | 293.762 | 293.801 | 293.841 | 293.742 | 293.643 | 293.683 | 293.722 | 293.683 |
| 5.0 | 290.720 | 290.878 | 291.036 | 291.115 | 291.194 | 290.997 | 290.799 | 290.878 | 290.957 | 290.878 |
| 7.5 | 292.932 | 292.952 | 292.972 | 293.070 | 293.169 | 293.090 | 293.011 | 293.070 | 293.130 | 293.011 |
| 10.0 | 295.144 | 295.026 | 294.907 | 295.026 | 295.144 | 295.184 | 295.223 | 295.263 | 295.302 | 295.144 |
| 12.5 | 299.450 | 299.430 | 299.410 | 299.568 | 299.726 | 299.647 | 299.568 | 299.608 | 299.647 | 299.588 |
| 15.0 | 303.755 | 303.834 | 303.913 | 304.111 | 304.308 | 304.111 | 303.913 | 303.953 | 303.992 | 304.032 |
| 17.5 | 307.705 | 307.824 | 307.942 | 308.100 | 308.258 | 307.982 | 307.705 | 307.745 | 307.784 | 307.962 |
| 20.0 | 311.655 | 311.813 | 311.971 | 312.090 | 312.208 | 311.853 | 311.497 | 311.537 | 311.576 | 311.892 |
| 22.5 | 319.318 | 319.377 | 319.437 | 319.496 | 319.555 | 319.377 | 319.200 | 319.219 | 319.239 | 319.437 |
| 25.0 | 326.981 | 326.942 | 326.902 | 326.902 | 326.902 | 326.902 | 326.902 | 326.902 | 326.902 | 326.981 |
| 27.5 | 336.027 | 335.987 | 335.948 | 335.967 | 335.987 | 335.928 | 335.869 | 336.046 | 336.224 | 336.086 |
| 30.0 | 345.072 | 345.033 | 344.993 | 345.033 | 345.072 | 344.954 | 344.835 | 345.191 | 345.546 | 345.191 |
| 32.5 | 350.523 | 350.484 | 350.444 | 350.977 | 351.511 | 351.313 | 351.116 | 351.392 | 351.669 | 351.135 |
| 35.0 | 355.974 | 355.935 | 355.895 | 356.922 | 357.949 | 357.673 | 357.396 | 357.594 | 357.791 | 357.080 |
| 37.5 | 370.866 | 370.767 | 370.668 | 371.241 | 371.814 | 371.695 | 371.577 | 371.616 | 371.656 | 371.300 |
| 40.0 | 385.757 | 385.599 | 385.441 | 385.560 | 385.678 | 385.718 | 385.757 | 385.639 | 385.520 | 385.520 |
| 42.5 | 399.503 | 399.365 | 399.227 | 399.286 | 399.345 | 399.483 | 399.622 | 399.404 | 399.187 | 399.306 |
| 45.0 | 413.249 | 413.131 | 413.012 | 413.012 | 413.012 | 413.249 | 413.486 | 413.170 | 412.854 | 413.091 |
| 47.5 | 444.770 | 444.731 | 444.691 | 444.671 | 444.652 | 444.869 | 445.086 | 444.889 | 444.691 | 444.770 |
| 50.0 | 476.291 | 476.331 | 476.370 | 476.331 | 476.291 | 476.489 | 476.686 | 476.607 | 476.528 | 476.449 |
| 52.5 | 499.952 | 499.833 | 499.715 | 499.695 | 499.675 | 499.892 | 500.110 | 499.971 | 499.833 | 499.892 |
| 55.0 | 523.612 | 523.336 | 523.059 | 523.059 | 523.059 | 523.296 | 523.533 | 523.336 | 523.138 | 523.336 |
| 57.5 | 558.056 | 557.859 | 557.661 | 557.681 | 557.701 | 557.977 | 558.254 | 558.036 | 557.819 | 557.957 |
| 60.0 | 592.500 | 592.382 | 592.263 | 592.303 | 592.342 | 592.658 | 592.974 | 592.737 | 592.500 | 592.579 |
| 62.5 | 636.898 | 636.246 | 635.595 | 635.437 | 635.279 | 635.595 | 635.911 | 635.812 | 635.713 | 635.595 |
| 65.0 | 681.296 | 680.111 | 678.926 | 678.571 | 678.215 | 678.531 | 678.847 | 678.887 | 678.926 | 678.610 |
| 67.5 | 737.584 | 737.050 | 736.517 | 736.300 | 736.083 | 735.964 | 735.846 | 735.944 | 736.043 | 735.826 |
| 70.0 | 793.871 | 793.990 | 794.108 | 794.029 | 793.950 | 793.397 | 792.844 | 793.002 | 793.160 | 793.042 |
| 72.5 | 847.433 | 847.828 | 848.223 | 848.223 | 848.223 | 847.433 | 846.643 | 846.742 | 846.841 | 846.880 |
| 75.0 | 900.995 | 901.667 | 902.338 | 902.417 | 902.496 | 901.469 | 900.442 | 900.482 | 900.521 | 900.719 |
| 77.5 | 938.915 | 938.856 | 938.797 | 938.540 | 938.283 | 937.750 | 937.217 | 937.217 | 937.217 | 937.414 |
| 80.0 | 976.835 | 976.045 | 975.255 | 974.663 | 974.070 | 974.031 | 973.991 | 973.952 | 973.912 | 974.110 |
| 82.5 | 1011.358 | 1010.864 | 1010.371 | 1010.134 | 1009.897 | 1009.462 | 1009.028 | 1009.087 | 1009.146 | 1009.225 |
| 85.0 | 1045.881 | 1045.684 | 1045.486 | 1045.605 | 1045.723 | 1044.894 | 1044.064 | 1044.222 | 1044.380 | 1044.341 |
| 87.5 | 1050.937 | 1050.838 | 1050.740 | 1050.858 | 1050.977 | 1050.996 | 1051.016 | 1050.937 | 1050.858 | 1050.858 |
| 90.0 | 1055.993 | 1055.993 | 1055.993 | 1056.112 | 1056.230 | 1057.099 | 1057.968 | 1057.652 | 1057.336 | 1057.376 |
| 92.5 | 1047.343 | 1047.343 | 1047.343 | 1047.441 | 1047.540 | 1048.370 | 1049.199 | 1049.002 | 1048.804 | 1048.962 |
| 95.0 | 1038.692 | 1038.692 | 1038.692 | 1038.771 | 1038.850 | 1039.640 | 1040.430 | 1040.351 | 1040.272 | 1040.549 |
| 97.5 | 1008.514 | 1008.692 | 1008.870 | 1008.751 | 1008.633 | 1009.087 | 1009.541 | 1009.462 | 1009.383 | 1009.363 |
| 100.0 | 978.336 | 978.692 | 979.047 | 978.731 | 978.415 | 978.534 | 978.652 | 978.573 | 978.494 | 978.178 |
| 102.5 | 943.142 | 943.161 | 943.181 | 943.082 | 942.984 | 943.181 | 943.379 | 943.260 | 943.142 | 943.023 |
| 105.0 | 907.947 | 907.631 | 907.315 | 907.434 | 907.552 | 907.829 | 908.105 | 907.947 | 907.789 | 907.868 |
| 107.5 | 856.084 | 856.084 | 856.084 | 856.064 | 856.044 | 856.182 | 856.321 | 856.637 | 856.953 | 856.676 |
| 110.0 | 804.220 | 804.536 | 804.852 | 804.694 | 804.536 | 804.536 | 804.536 | 805.326 | 806.116 | 805.484 |
| 112.5 | 747.261 | 747.301 | 747.340 | 747.399 | 747.459 | 747.597 | 747.735 | 748.407 | 749.078 | 748.723 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 115.0 | 690.302 | 690.065 | 689.828 | 690.105 | 690.381 | 690.658 | 690.934 | 691.487 | 692.040 | 691.961 |
| 117.5 | 646.181 | 646.003 | 645.825 | 646.062 | 646.299 | 646.477 | 646.655 | 646.971 | 647.287 | 647.089 |
| 120.0 | 602.059 | 601.941 | 601.822 | 602.020 | 602.217 | 602.296 | 602.375 | 602.454 | 602.533 | 602.217 |
| 122.5 | 566.035 | 566.075 | 566.114 | 566.213 | 566.312 | 566.489 | 566.667 | 566.865 | 567.062 | 566.845 |
| 125.0 | 530.011 | 530.209 | 530.406 | 530.406 | 530.406 | 530.683 | 530.959 | 531.275 | 531.591 | 531.473 |
| 127.5 | 505.916 | 506.153 | 506.390 | 506.272 | 506.153 | 506.667 | 507.180 | 507.239 | 507.299 | 507.180 |
| 130.0 | 481.821 | 482.098 | 482.374 | 482.137 | 481.900 | 482.651 | 483.401 | 483.204 | 483.006 | 482.888 |
| 132.5 | 449.273 | 449.747 | 450.221 | 450.142 | 450.063 | 449.945 | 449.826 | 449.708 | 449.589 | 449.945 |
| 135.0 | 416.725 | 417.397 | 418.068 | 418.147 | 418.226 | 417.239 | 416.251 | 416.212 | 416.172 | 417.002 |
| 137.5 | 402.782 | 403.137 | 403.493 | 403.453 | 403.414 | 402.999 | 402.584 | 402.683 | 402.782 | 403.216 |
| 140.0 | 388.838 | 388.878 | 388.917 | 388.759 | 388.601 | 388.759 | 388.917 | 389.154 | 389.391 | 389.431 |
| 142.5 | 373.749 | 373.749 | 373.749 | 373.611 | 373.473 | 373.492 | 373.512 | 373.670 | 373.828 | 373.887 |
| 145.0 | 358.660 | 358.621 | 358.581 | 358.463 | 358.344 | 358.226 | 358.107 | 358.186 | 358.265 | 358.344 |
| 147.5 | 352.735 | 352.952 | 353.170 | 353.229 | 353.288 | 352.972 | 352.656 | 352.854 | 353.051 | 352.972 |
| 150.0 | 346.810 | 347.284 | 347.758 | 347.995 | 348.232 | 347.719 | 347.205 | 347.521 | 347.837 | 347.600 |
| 152.5 | 338.199 | 338.377 | 338.555 | 338.634 | 338.713 | 338.476 | 338.239 | 338.357 | 338.476 | 338.337 |
| 155.0 | 329.588 | 329.470 | 329.351 | 329.272 | 329.193 | 329.233 | 329.272 | 329.193 | 329.114 | 329.075 |
| 157.5 | 320.543 | 320.543 | 320.543 | 320.622 | 320.701 | 320.681 | 320.661 | 320.898 | 321.135 | 321.155 |
| 160.0 | 311.497 | 311.616 | 311.734 | 311.971 | 312.208 | 312.129 | 312.050 | 312.603 | 313.156 | 313.235 |
| 162.5 | 307.705 | 307.764 | 307.824 | 307.962 | 308.100 | 308.416 | 308.732 | 308.910 | 309.088 | 309.088 |
| 165.0 | 303.913 | 303.913 | 303.913 | 303.953 | 303.992 | 304.703 | 305.414 | 305.217 | 305.019 | 304.940 |
| 167.5 | 299.094 | 299.015 | 298.936 | 298.877 | 298.818 | 299.568 | 300.319 | 300.082 | 299.845 | 299.785 |
| 170.0 | 294.275 | 294.117 | 293.959 | 293.801 | 293.643 | 294.433 | 295.223 | 294.947 | 294.670 | 294.631 |
| 172.5 | 291.984 | 292.024 | 292.063 | 291.905 | 291.747 | 292.103 | 292.458 | 292.359 | 292.261 | 292.221 |
| 175.0 | 289.693 | 289.930 | 290.167 | 290.009 | 289.851 | 289.772 | 289.693 | 289.772 | 289.851 | 289.812 |
| 177.5 | 293.090 | 293.209 | 293.327 | 293.248 | 293.169 | 293.130 | 293.090 | 293.130 | 293.169 | 293.149 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

| Vert. Angles | Horizontal 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 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.643 | 293.722 | 293.801 | 293.781 | 293.762 | 293.722 | 293.683 | 293.683 | 293.683 | 293.762 |
| 5.0 | 290.799 | 290.957 | 291.115 | 291.076 | 291.036 | 290.957 | 290.878 | 290.878 | 290.878 | 291.036 |
| 7.5 | 292.893 | 292.932 | 292.972 | 292.932 | 292.893 | 292.991 | 293.090 | 292.932 | 292.774 | 292.912 |
| 10.0 | 294.986 | 294.907 | 294.828 | 294.789 | 294.749 | 295.026 | 295.302 | 294.986 | 294.670 | 294.789 |
| 12.5 | 299.529 | 298.936 | 298.344 | 298.363 | 298.383 | 298.600 | 298.818 | 298.660 | 298.502 | 298.462 |
| 15.0 | 304.071 | 302.965 | 301.859 | 301.938 | 302.017 | 302.175 | 302.333 | 302.333 | 302.333 | 302.136 |
| 17.5 | 308.140 | 307.409 | 306.678 | 306.777 | 306.876 | 307.014 | 307.152 | 307.034 | 306.915 | 306.955 |
| 20.0 | 312.208 | 311.853 | 311.497 | 311.616 | 311.734 | 311.853 | 311.971 | 311.734 | 311.497 | 311.774 |
| 22.5 | 319.634 | 319.298 | 318.963 | 319.061 | 319.160 | 319.279 | 319.397 | 319.318 | 319.239 | 319.239 |
| 25.0 | 327.060 | 326.744 | 326.428 | 326.507 | 326.586 | 326.705 | 326.823 | 326.902 | 326.981 | 326.705 |
| 27.5 | 335.948 | 335.888 | 335.829 | 335.869 | 335.908 | 335.987 | 336.066 | 335.987 | 335.908 | 335.928 |
| 30.0 | 344.835 | 345.033 | 345.230 | 345.230 | 345.230 | 345.270 | 345.309 | 345.072 | 344.835 | 345.151 |
| 32.5 | 350.602 | 350.642 | 350.681 | 350.760 | 350.839 | 350.780 | 350.721 | 350.602 | 350.484 | 350.740 |
| 35.0 | 356.369 | 356.251 | 356.132 | 356.290 | 356.448 | 356.290 | 356.132 | 356.132 | 356.132 | 356.330 |
| 37.5 | 370.945 | 370.885 | 370.826 | 371.063 | 371.300 | 371.182 | 371.063 | 371.004 | 370.945 | 371.142 |
| 40.0 | 385.520 | 385.520 | 385.520 | 385.836 | 386.152 | 386.073 | 385.994 | 385.876 | 385.757 | 385.955 |
| 42.5 | 399.424 | 399.365 | 399.306 | 399.207 | 399.108 | 399.088 | 399.069 | 398.871 | 398.674 | 398.772 |
| 45.0 | 413.328 | 413.210 | 413.091 | 412.578 | 412.064 | 412.104 | 412.143 | 411.867 | 411.590 | 411.590 |
| 47.5 | 444.849 | 444.829 | 444.810 | 444.434 | 444.059 | 444.592 | 445.126 | 445.007 | 444.889 | 444.829 |
| 50.0 | 476.370 | 476.449 | 476.528 | 476.291 | 476.054 | 477.081 | 478.108 | 478.148 | 478.187 | 478.069 |
| 52.5 | 499.952 | 499.892 | 499.833 | 499.734 | 499.636 | 499.833 | 500.031 | 500.090 | 500.149 | 499.912 |
| 55.0 | 523.533 | 523.336 | 523.138 | 523.178 | 523.217 | 522.585 | 521.953 | 522.032 | 522.111 | 521.756 |
| 57.5 | 558.096 | 557.938 | 557.780 | 557.799 | 557.819 | 557.503 | 557.187 | 557.365 | 557.543 | 557.325 |
| 60.0 | 592.658 | 592.540 | 592.421 | 592.421 | 592.421 | 592.421 | 592.421 | 592.698 | 592.974 | 592.895 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 62.5 | 635.476 | 635.456 | 635.437 | 635.535 | 635.634 | 635.535 | 635.437 | 636.049 | 636.661 | 636.582 |
| 65.0 | 678.294 | 678.373 | 678.452 | 678.650 | 678.847 | 678.650 | 678.452 | 679.400 | 680.348 | 680.269 |
| 67.5 | 735.609 | 735.628 | 735.648 | 736.142 | 736.636 | 736.537 | 736.438 | 736.675 | 736.912 | 736.695 |
| 70.0 | 792.923 | 792.884 | 792.844 | 793.634 | 794.424 | 794.424 | 794.424 | 793.950 | 793.476 | 793.121 |
| 72.5 | 846.920 | 846.781 | 846.643 | 847.097 | 847.552 | 847.631 | 847.710 | 847.492 | 847.275 | 847.058 |
| 75.0 | 900.916 | 900.679 | 900.442 | 900.561 | 900.679 | 900.837 | 900.995 | 901.035 | 901.074 | 900.995 |
| 77.5 | 937.612 | 937.375 | 937.138 | 937.256 | 937.375 | 937.394 | 937.414 | 937.947 | 938.481 | 938.421 |
| 80.0 | 974.307 | 974.070 | 973.833 | 973.952 | 974.070 | 973.952 | 973.833 | 974.860 | 975.887 | 975.848 |
| 82.5 | 1009.304 | 1009.028 | 1008.751 | 1008.751 | 1008.751 | 1008.633 | 1008.514 | 1008.988 | 1009.462 | 1009.561 |
| 85.0 | 1044.301 | 1043.985 | 1043.669 | 1043.551 | 1043.432 | 1043.314 | 1043.195 | 1043.116 | 1043.037 | 1043.274 |
| 87.5 | 1050.858 | 1050.740 | 1050.621 | 1050.562 | 1050.503 | 1050.108 | 1049.713 | 1049.653 | 1049.594 | 1049.851 |
| 90.0 | 1057.415 | 1057.494 | 1057.573 | 1057.573 | 1057.573 | 1056.902 | 1056.230 | 1056.191 | 1056.151 | 1056.428 |
| 92.5 | 1049.120 | 1048.725 | 1048.330 | 1048.705 | 1049.081 | 1048.745 | 1048.409 | 1048.291 | 1048.172 | 1048.607 |
| 95.0 | 1040.825 | 1039.956 | 1039.087 | 1039.838 | 1040.588 | 1040.588 | 1040.588 | 1040.391 | 1040.193 | 1040.786 |
| 97.5 | 1009.344 | 1009.107 | 1008.870 | 1009.146 | 1009.423 | 1009.521 | 1009.620 | 1009.403 | 1009.186 | 1009.482 |
| 100.0 | 977.862 | 978.257 | 978.652 | 978.455 | 978.257 | 978.455 | 978.652 | 978.415 | 978.178 | 978.178 |
| 102.5 | 942.905 | 943.082 | 943.260 | 943.003 | 942.747 | 942.964 | 943.181 | 942.964 | 942.747 | 942.885 |
| 105.0 | 907.947 | 907.908 | 907.868 | 907.552 | 907.236 | 907.473 | 907.710 | 907.513 | 907.315 | 907.592 |
| 107.5 | 856.400 | 856.340 | 856.281 | 856.005 | 855.728 | 855.866 | 856.005 | 856.024 | 856.044 | 856.103 |
| 110.0 | 804.852 | 804.773 | 804.694 | 804.457 | 804.220 | 804.260 | 804.299 | 804.536 | 804.773 | 804.615 |
| 112.5 | 748.367 | 748.328 | 748.288 | 748.170 | 748.051 | 748.170 | 748.288 | 748.308 | 748.328 | 747.992 |
| 115.0 | 691.882 | 691.882 | 691.882 | 691.882 | 691.882 | 692.080 | 692.277 | 692.080 | 691.882 | 691.369 |
| 117.5 | 646.892 | 646.951 | 647.010 | 646.951 | 646.892 | 647.109 | 647.326 | 647.089 | 646.852 | 646.714 |
| 120.0 | 601.901 | 602.020 | 602.138 | 602.020 | 601.901 | 602.138 | 602.375 | 602.099 | 601.822 | 602.059 |
| 122.5 | 566.628 | 566.647 | 566.667 | 566.687 | 566.707 | 566.707 | 566.707 | 566.647 | 566.588 | 566.687 |
| 125.0 | 531.354 | 531.275 | 531.196 | 531.354 | 531.512 | 531.275 | 531.038 | 531.196 | 531.354 | 531.315 |
| 127.5 | 507.062 | 507.141 | 507.220 | 507.220 | 507.220 | 507.358 | 507.496 | 507.437 | 507.378 | 507.476 |
| 130.0 | 482.769 | 483.006 | 483.243 | 483.085 | 482.927 | 483.441 | 483.954 | 483.678 | 483.401 | 483.638 |
| 132.5 | 450.300 | 450.122 | 449.945 | 450.241 | 450.537 | 450.774 | 451.011 | 450.754 | 450.498 | 450.754 |
| 135.0 | 417.831 | 417.239 | 416.646 | 417.397 | 418.147 | 418.108 | 418.068 | 417.831 | 417.594 | 417.871 |
| 137.5 | 403.651 | 403.256 | 402.861 | 403.236 | 403.611 | 403.572 | 403.532 | 403.433 | 403.335 | 403.591 |
| 140.0 | 389.470 | 389.273 | 389.075 | 389.075 | 389.075 | 389.036 | 388.996 | 389.036 | 389.075 | 389.312 |
| 142.5 | 373.947 | 373.887 | 373.828 | 373.789 | 373.749 | 373.512 | 373.275 | 373.413 | 373.552 | 373.789 |
| 145.0 | 358.423 | 358.502 | 358.581 | 358.502 | 358.423 | 357.989 | 357.554 | 357.791 | 358.028 | 358.265 |
| 147.5 | 352.893 | 352.933 | 352.972 | 353.031 | 353.091 | 352.873 | 352.656 | 352.617 | 352.577 | 352.775 |
| 150.0 | 347.363 | 347.363 | 347.363 | 347.561 | 347.758 | 347.758 | 347.758 | 347.442 | 347.126 | 347.284 |
| 152.5 | 338.199 | 338.199 | 338.199 | 338.179 | 338.160 | 338.298 | 338.436 | 338.219 | 338.002 | 337.982 |
| 155.0 | 329.035 | 329.035 | 329.035 | 328.798 | 328.561 | 328.838 | 329.114 | 328.996 | 328.877 | 328.680 |
| 157.5 | 321.175 | 321.175 | 321.175 | 321.096 | 321.017 | 321.155 | 321.293 | 321.273 | 321.254 | 321.155 |
| 160.0 | 313.314 | 313.314 | 313.314 | 313.393 | 313.472 | 313.472 | 313.472 | 313.551 | 313.630 | 313.630 |
| 162.5 | 309.088 | 309.068 | 309.048 | 309.206 | 309.364 | 309.384 | 309.404 | 309.443 | 309.483 | 309.344 |
| 165.0 | 304.861 | 304.822 | 304.782 | 305.019 | 305.256 | 305.296 | 305.335 | 305.335 | 305.335 | 305.059 |
| 167.5 | 299.726 | 299.845 | 299.963 | 300.141 | 300.319 | 300.240 | 300.161 | 300.240 | 300.319 | 300.042 |
| 170.0 | 294.591 | 294.868 | 295.144 | 295.263 | 295.381 | 295.184 | 294.986 | 295.144 | 295.302 | 295.026 |
| 172.5 | 292.182 | 292.300 | 292.419 | 292.537 | 292.656 | 292.517 | 292.379 | 292.438 | 292.498 | 292.379 |
| 175.0 | 289.772 | 289.733 | 289.693 | 289.812 | 289.930 | 289.851 | 289.772 | 289.733 | 289.693 | 289.733 |
| 177.5 | 293.130 | 293.110 | 293.090 | 293.149 | 293.209 | 293.169 | 293.130 | 293.110 | 293.090 | 293.110 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

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 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.841 | 293.347 | 292.853 | 292.912 | 292.972 | 293.110 | 293.248 | 293.070 | 292.893 | 292.952 |
| 5.0 | 291.194 | 290.207 | 289.219 | 289.338 | 289.456 | 289.733 | 290.009 | 289.654 | 289.298 | 289.417 |
| 7.5 | 293.051 | 292.537 | 292.024 | 292.083 | 292.142 | 292.419 | 292.695 | 292.359 | 292.024 | 292.043 |

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10.0 | 294.907 | 294.868 | 294.828 | 294.828 | 294.828 | 295.105 | 295.381 | 295.065 | 294.749 | 294.670 |
| 12.5 | 298.423 | 298.442 | 298.462 | 298.462 | 298.462 | 298.699 | 298.936 | 298.581 | 298.225 | 298.205 |
| 15.0 | 301.938 | 302.017 | 302.096 | 302.096 | 302.096 | 302.294 | 302.491 | 302.096 | 301.701 | 301.741 |
| 17.5 | 306.994 | 306.994 | 306.994 | 306.974 | 306.955 | 307.073 | 307.192 | 307.034 | 306.876 | 306.915 |
| 20.0 | 312.050 | 311.971 | 311.892 | 311.853 | 311.813 | 311.853 | 311.892 | 311.971 | 312.050 | 312.090 |
| 22.5 | 319.239 | 319.219 | 319.200 | 319.180 | 319.160 | 319.358 | 319.555 | 319.437 | 319.318 | 319.358 |
| 25.0 | 326.428 | 326.468 | 326.507 | 326.507 | 326.507 | 326.863 | 327.218 | 326.902 | 326.586 | 326.626 |
| 27.5 | 335.948 | 335.948 | 335.948 | 335.829 | 335.711 | 335.869 | 336.027 | 335.888 | 335.750 | 335.750 |
| 30.0 | 345.467 | 345.428 | 345.388 | 345.151 | 344.914 | 344.875 | 344.835 | 344.875 | 344.914 | 344.875 |
| 32.5 | 350.997 | 350.997 | 350.997 | 350.839 | 350.681 | 350.523 | 350.365 | 350.503 | 350.642 | 350.543 |
| 35.0 | 356.527 | 356.567 | 356.606 | 356.527 | 356.448 | 356.172 | 355.895 | 356.132 | 356.369 | 356.211 |
| 37.5 | 371.340 | 371.201 | 371.063 | 371.063 | 371.063 | 370.866 | 370.668 | 370.826 | 370.984 | 370.945 |
| 40.0 | 386.152 | 385.836 | 385.520 | 385.599 | 385.678 | 385.560 | 385.441 | 385.520 | 385.599 | 385.678 |
| 42.5 | 398.871 | 398.812 | 398.753 | 398.733 | 398.713 | 398.733 | 398.753 | 398.693 | 398.634 | 398.753 |
| 45.0 | 411.590 | 411.788 | 411.985 | 411.867 | 411.748 | 411.906 | 412.064 | 411.867 | 411.669 | 411.827 |
| 47.5 | 444.770 | 444.889 | 445.007 | 444.869 | 444.731 | 444.829 | 444.928 | 444.829 | 444.731 | 444.770 |
| 50.0 | 477.950 | 477.990 | 478.029 | 477.871 | 477.713 | 477.753 | 477.792 | 477.792 | 477.792 | 477.713 |
| 52.5 | 499.675 | 499.715 | 499.754 | 499.715 | 499.675 | 499.616 | 499.557 | 499.576 | 499.596 | 499.636 |
| 55.0 | 521.400 | 521.440 | 521.479 | 521.558 | 521.637 | 521.479 | 521.321 | 521.361 | 521.400 | 521.558 |
| 57.5 | 557.108 | 557.069 | 557.029 | 556.970 | 556.911 | 556.930 | 556.950 | 557.049 | 557.148 | 557.049 |
| 60.0 | 592.816 | 592.698 | 592.579 | 592.382 | 592.184 | 592.382 | 592.579 | 592.737 | 592.895 | 592.540 |
| 62.5 | 636.503 | 636.365 | 636.227 | 636.266 | 636.306 | 636.404 | 636.503 | 636.444 | 636.385 | 636.207 |
| 65.0 | 680.190 | 680.032 | 679.874 | 680.151 | 680.427 | 680.427 | 680.427 | 680.151 | 679.874 | 679.874 |
| 67.5 | 736.478 | 736.438 | 736.399 | 736.537 | 736.675 | 736.715 | 736.754 | 736.695 | 736.636 | 736.497 |
| 70.0 | 792.765 | 792.844 | 792.923 | 792.923 | 792.923 | 793.002 | 793.081 | 793.239 | 793.397 | 793.121 |
| 72.5 | 846.841 | 847.018 | 847.196 | 846.860 | 846.525 | 846.248 | 845.972 | 846.070 | 846.169 | 845.972 |
| 75.0 | 900.916 | 901.193 | 901.469 | 900.798 | 900.126 | 899.494 | 898.862 | 898.902 | 898.941 | 898.823 |
| 77.5 | 938.362 | 938.026 | 937.691 | 937.197 | 936.703 | 936.565 | 936.427 | 936.407 | 936.387 | 936.288 |
| 80.0 | 975.808 | 974.860 | 973.912 | 973.596 | 973.280 | 973.636 | 973.991 | 973.912 | 973.833 | 973.754 |
| 82.5 | 1009.660 | 1009.166 | 1008.672 | 1008.534 | 1008.396 | 1008.494 | 1008.593 | 1008.080 | 1007.566 | 1007.922 |
| 85.0 | 1043.511 | 1043.472 | 1043.432 | 1043.472 | 1043.511 | 1043.353 | 1043.195 | 1042.247 | 1041.299 | 1042.089 |
| 87.5 | 1050.108 | 1050.068 | 1050.029 | 1050.108 | 1050.187 | 1050.029 | 1049.871 | 1049.357 | 1048.844 | 1049.239 |
| 90.0 | 1056.704 | 1056.665 | 1056.625 | 1056.744 | 1056.862 | 1056.704 | 1056.546 | 1056.467 | 1056.388 | 1056.388 |
| 92.5 | 1049.041 | 1048.844 | 1048.646 | 1048.883 | 1049.120 | 1048.903 | 1048.686 | 1048.745 | 1048.804 | 1048.824 |
| 95.0 | 1041.378 | 1041.023 | 1040.667 | 1041.023 | 1041.378 | 1041.102 | 1040.825 | 1041.023 | 1041.220 | 1041.260 |
| 97.5 | 1009.778 | 1009.719 | 1009.660 | 1009.660 | 1009.660 | 1009.699 | 1009.739 | 1009.837 | 1009.936 | 1009.897 |
| 100.0 | 978.178 | 978.415 | 978.652 | 978.297 | 977.941 | 978.297 | 978.652 | 978.652 | 978.652 | 978.534 |
| 102.5 | 943.023 | 943.418 | 943.813 | 943.201 | 942.589 | 943.201 | 943.813 | 943.774 | 943.734 | 943.754 |
| 105.0 | 907.868 | 908.421 | 908.974 | 908.105 | 907.236 | 908.105 | 908.974 | 908.895 | 908.816 | 908.974 |
| 107.5 | 856.163 | 856.439 | 856.716 | 856.400 | 856.084 | 856.439 | 856.795 | 856.795 | 856.795 | 856.814 |
| 110.0 | 804.457 | 804.457 | 804.457 | 804.694 | 804.931 | 804.773 | 804.615 | 804.694 | 804.773 | 804.655 |
| 112.5 | 747.656 | 747.696 | 747.735 | 747.676 | 747.617 | 747.676 | 747.735 | 747.715 | 747.696 | 747.617 |
| 115.0 | 690.855 | 690.934 | 691.013 | 690.658 | 690.302 | 690.579 | 690.855 | 690.737 | 690.618 | 690.579 |
| 117.5 | 646.576 | 646.615 | 646.655 | 646.457 | 646.260 | 646.339 | 646.418 | 646.398 | 646.378 | 646.418 |
| 120.0 | 602.296 | 602.296 | 602.296 | 602.257 | 602.217 | 602.099 | 601.980 | 602.059 | 602.138 | 602.257 |
| 122.5 | 566.786 | 566.884 | 566.983 | 566.825 | 566.667 | 566.588 | 566.509 | 566.667 | 566.825 | 566.884 |
| 125.0 | 531.275 | 531.473 | 531.670 | 531.394 | 531.117 | 531.078 | 531.038 | 531.275 | 531.512 | 531.512 |
| 127.5 | 507.575 | 507.575 | 507.575 | 507.536 | 507.496 | 507.496 | 507.496 | 507.496 | 507.496 | 507.457 |
| 130.0 | 483.875 | 483.678 | 483.480 | 483.678 | 483.875 | 483.915 | 483.954 | 483.717 | 483.480 | 483.401 |
| 132.5 | 451.011 | 450.794 | 450.577 | 450.754 | 450.932 | 450.853 | 450.774 | 450.715 | 450.656 | 450.695 |
| 135.0 | 418.147 | 417.910 | 417.673 | 417.831 | 417.989 | 417.792 | 417.594 | 417.713 | 417.831 | 417.989 |
| 137.5 | 403.848 | 403.730 | 403.611 | 403.730 | 403.848 | 403.730 | 403.611 | 403.591 | 403.572 | 403.670 |
| 140.0 | 389.549 | 389.549 | 389.549 | 389.628 | 389.707 | 389.668 | 389.628 | 389.470 | 389.312 | 389.352 |
| 142.5 | 374.026 | 374.065 | 374.105 | 374.026 | 373.947 | 373.907 | 373.868 | 373.710 | 373.552 | 373.690 |
| 145.0 | 358.502 | 358.581 | 358.660 | 358.423 | 358.186 | 358.147 | 358.107 | 357.949 | 357.791 | 358.028 |
| 147.5 | 352.972 | 352.992 | 353.012 | 352.952 | 352.893 | 352.794 | 352.696 | 352.735 | 352.775 | 352.755 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 150.0 | 347.442 | 347.403 | 347.363 | 347.482 | 347.600 | 347.442 | 347.284 | 347.521 | 347.758 | 347.482 |
| 152.5 | 337.962 | 338.081 | 338.199 | 338.318 | 338.436 | 338.278 | 338.120 | 338.199 | 338.278 | 338.100 |
| 155.0 | 328.482 | 328.759 | 329.035 | 329.154 | 329.272 | 329.114 | 328.956 | 328.877 | 328.798 | 328.719 |
| 157.5 | 321.056 | 321.056 | 321.056 | 321.194 | 321.333 | 321.214 | 321.096 | 321.175 | 321.254 | 321.115 |
| 160.0 | 313.630 | 313.354 | 313.077 | 313.235 | 313.393 | 313.314 | 313.235 | 313.472 | 313.709 | 313.512 |
| 162.5 | 309.206 | 309.147 | 309.088 | 309.048 | 309.009 | 309.147 | 309.285 | 309.265 | 309.246 | 309.265 |
| 165.0 | 304.782 | 304.940 | 305.098 | 304.861 | 304.624 | 304.980 | 305.335 | 305.059 | 304.782 | 305.019 |
| 167.5 | 299.766 | 299.845 | 299.924 | 299.766 | 299.608 | 299.785 | 299.963 | 300.003 | 300.042 | 300.161 |
| 170.0 | 294.749 | 294.749 | 294.749 | 294.670 | 294.591 | 294.591 | 294.591 | 294.947 | 295.302 | 295.302 |
| 172.5 | 292.261 | 292.261 | 292.261 | 292.241 | 292.221 | 292.162 | 292.103 | 292.261 | 292.419 | 292.359 |
| 175.0 | 289.772 | 289.772 | 289.772 | 289.812 | 289.851 | 289.733 | 289.614 | 289.575 | 289.535 | 289.417 |
| 177.5 | 293.130 | 293.130 | 293.130 | 293.149 | 293.169 | 293.110 | 293.051 | 293.031 | 293.011 | 292.952 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

Vert. Angles **Horizontal Angles**

| | <u>350.0</u> | <u>352.5</u> | <u>355.0</u> | <u>357.5</u> | <u>360.0</u> |
|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 0.0 | 296.487 | 296.487 | 296.487 | 296.487 | 296.487 |
| 2.5 | 293.011 | 293.130 | 293.248 | 293.169 | 293.090 |
| 5.0 | 289.535 | 289.772 | 290.009 | 289.851 | 289.693 |
| 7.5 | 292.063 | 292.320 | 292.577 | 292.458 | 292.340 |
| 10.0 | 294.591 | 294.868 | 295.144 | 295.065 | 294.986 |
| 12.5 | 298.186 | 298.561 | 298.936 | 298.877 | 298.818 |
| 15.0 | 301.780 | 302.254 | 302.728 | 302.689 | 302.649 |
| 17.5 | 306.955 | 307.152 | 307.350 | 307.211 | 307.073 |
| 20.0 | 312.129 | 312.050 | 311.971 | 311.734 | 311.497 |
| 22.5 | 319.397 | 319.338 | 319.279 | 319.121 | 318.963 |
| 25.0 | 326.665 | 326.626 | 326.586 | 326.507 | 326.428 |
| 27.5 | 335.750 | 335.928 | 336.106 | 335.967 | 335.829 |
| 30.0 | 344.835 | 345.230 | 345.625 | 345.428 | 345.230 |
| 32.5 | 350.444 | 350.681 | 350.918 | 350.819 | 350.721 |
| 35.0 | 356.053 | 356.132 | 356.211 | 356.211 | 356.211 |
| 37.5 | 370.905 | 370.866 | 370.826 | 370.964 | 371.103 |
| 40.0 | 385.757 | 385.599 | 385.441 | 385.718 | 385.994 |
| 42.5 | 398.871 | 398.713 | 398.555 | 398.634 | 398.713 |
| 45.0 | 411.985 | 411.827 | 411.669 | 411.551 | 411.432 |
| 47.5 | 444.810 | 444.829 | 444.849 | 444.474 | 444.099 |
| 50.0 | 477.634 | 477.832 | 478.029 | 477.397 | 476.765 |
| 52.5 | 499.675 | 499.734 | 499.794 | 499.557 | 499.320 |
| 55.0 | 521.716 | 521.637 | 521.558 | 521.716 | 521.874 |
| 57.5 | 556.950 | 557.069 | 557.187 | 557.227 | 557.266 |
| 60.0 | 592.184 | 592.500 | 592.816 | 592.737 | 592.658 |
| 62.5 | 636.029 | 636.325 | 636.622 | 636.523 | 636.424 |
| 65.0 | 679.874 | 680.151 | 680.427 | 680.309 | 680.190 |
| 67.5 | 736.359 | 736.557 | 736.754 | 736.636 | 736.517 |
| 70.0 | 792.844 | 792.963 | 793.081 | 792.963 | 792.844 |
| 72.5 | 845.774 | 845.833 | 845.893 | 845.754 | 845.616 |
| 75.0 | 898.704 | 898.704 | 898.704 | 898.546 | 898.388 |
| 77.5 | 936.190 | 936.249 | 936.308 | 936.249 | 936.190 |
| 80.0 | 973.675 | 973.794 | 973.912 | 973.952 | 973.991 |
| 82.5 | 1008.277 | 1008.514 | 1008.751 | 1008.712 | 1008.672 |
| 85.0 | 1042.879 | 1043.235 | 1043.590 | 1043.472 | 1043.353 |
| 87.5 | 1049.634 | 1049.653 | 1049.673 | 1049.634 | 1049.594 |
| 90.0 | 1056.388 | 1056.072 | 1055.756 | 1055.796 | 1055.835 |
| 92.5 | 1048.844 | 1048.587 | 1048.330 | 1048.468 | 1048.607 |
| 95.0 | 1041.299 | 1041.102 | 1040.904 | 1041.141 | 1041.378 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|--------------|----------|----------|----------|----------|----------|
| 97.5 | 1009.857 | 1010.074 | 1010.292 | 1010.055 | 1009.818 |
| 100.0 | 978.415 | 979.047 | 979.679 | 978.968 | 978.257 |
| 102.5 | 943.774 | 944.149 | 944.524 | 944.188 | 943.853 |
| 105.0 | 909.132 | 909.251 | 909.369 | 909.409 | 909.448 |
| 107.5 | 856.834 | 856.893 | 856.953 | 857.051 | 857.150 |
| 110.0 | 804.536 | 804.536 | 804.536 | 804.694 | 804.852 |
| 112.5 | 747.538 | 747.518 | 747.498 | 747.636 | 747.775 |
| 115.0 | 690.539 | 690.500 | 690.460 | 690.579 | 690.697 |
| 117.5 | 646.457 | 646.319 | 646.181 | 646.181 | 646.181 |
| 120.0 | 602.375 | 602.138 | 601.901 | 601.783 | 601.664 |
| 122.5 | 566.944 | 566.746 | 566.549 | 566.470 | 566.391 |
| 125.0 | 531.512 | 531.354 | 531.196 | 531.157 | 531.117 |
| 127.5 | 507.417 | 507.457 | 507.496 | 507.496 | 507.496 |
| 130.0 | 483.322 | 483.559 | 483.796 | 483.836 | 483.875 |
| 132.5 | 450.735 | 450.794 | 450.853 | 450.932 | 451.011 |
| 135.0 | 418.147 | 418.029 | 417.910 | 418.029 | 418.147 |
| 137.5 | 403.769 | 403.651 | 403.532 | 403.552 | 403.572 |
| 140.0 | 389.391 | 389.273 | 389.154 | 389.075 | 388.996 |
| 142.5 | 373.828 | 373.650 | 373.473 | 373.552 | 373.631 |
| 145.0 | 358.265 | 358.028 | 357.791 | 358.028 | 358.265 |
| 147.5 | 352.735 | 352.696 | 352.656 | 352.834 | 353.012 |
| 150.0 | 347.205 | 347.363 | 347.521 | 347.640 | 347.758 |
| 152.5 | 337.923 | 338.061 | 338.199 | 338.318 | 338.436 |
| 155.0 | 328.640 | 328.759 | 328.877 | 328.996 | 329.114 |
| 157.5 | 320.977 | 321.076 | 321.175 | 321.155 | 321.135 |
| 160.0 | 313.314 | 313.393 | 313.472 | 313.314 | 313.156 |
| 162.5 | 309.285 | 309.206 | 309.127 | 309.107 | 309.088 |
| 165.0 | 305.256 | 305.019 | 304.782 | 304.901 | 305.019 |
| 167.5 | 300.279 | 300.141 | 300.003 | 300.062 | 300.121 |
| 170.0 | 295.302 | 295.263 | 295.223 | 295.223 | 295.223 |
| 172.5 | 292.300 | 292.280 | 292.261 | 292.340 | 292.419 |
| 175.0 | 289.298 | 289.298 | 289.298 | 289.456 | 289.614 |
| 177.5 | 292.893 | 292.893 | 292.893 | 292.972 | 293.051 |
| 180.0 | 296.000 | 296.000 | 296.000 | 296.000 | 296.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|--------|--------|
| 0-20 | 114.13 | 1.40 | 1.40 |
| 0-30 | 266.27 | 3.40 | 3.30 |
| 0-40 | 493.51 | 6.20 | 6.10 |
| 0-60 | 1296.49 | 16.40 | 16.00 |
| 0-80 | 2923.57 | 37.00 | 36.00 |
| 0-90 | 4047.13 | 51.20 | 49.80 |
| 10-90 | 4019.18 | 50.90 | 49.50 |
| 20-40 | 379.38 | 4.80 | 4.70 |
| 20-50 | 707.09 | 9.00 | 8.70 |
| 40-70 | 1485.48 | 18.80 | 18.30 |
| 60-80 | 1627.08 | 20.60 | 20.00 |
| 70-80 | 944.58 | 12.00 | 11.60 |
| 80-90 | 1123.56 | 14.20 | 13.80 |
| 90-110 | 2075.41 | 26.30 | 25.50 |
| 90-120 | 2768.77 | 35.00 | 34.10 |
| 90-130 | 3251.47 | 41.20 | 40.00 |
| 90-150 | 3811.79 | 48.30 | 46.90 |
| 90-180 | 4079.26 | 51.60 | 50.20 |
| 110-180 | 2003.85 | 25.40 | 24.70 |
| 0-180 | 8126.4 | 102.90 | 100.00 |

Total Luminaire Efficiency = 102.90%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 27.96 |
| 10-20 | 86.17 |
| 20-30 | 152.15 |
| 30-40 | 227.23 |
| 40-50 | 327.71 |
| 50-60 | 475.28 |
| 60-70 | 682.50 |
| 70-80 | 944.58 |
| 80-90 | 1123.56 |
| 90-100 | 1122.78 |
| 100-110 | 952.63 |
| 110-120 | 693.36 |
| 120-130 | 482.70 |
| 130-140 | 331.58 |
| 140-150 | 228.73 |
| 150-160 | 153.03 |
| 160-170 | 86.54 |
| 170-180 | 27.91 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.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 | 110 | 110 | 110 | 110 | 102 | 102 | 102 | 102 | 86 | 86 | 86 | 71 | 71 | 71 | 58 | 58 | 58 | 51 |
| 1 | 94 | 86 | 79 | 73 | 85 | 79 | 73 | 67 | 65 | 60 | 56 | 52 | 48 | 45 | 40 | 37 | 35 | 29 |
| 2 | 83 | 72 | 63 | 55 | 75 | 65 | 57 | 50 | 53 | 47 | 41 | 42 | 37 | 33 | 32 | 28 | 25 | 19 |
| 3 | 74 | 61 | 51 | 43 | 67 | 56 | 47 | 40 | 45 | 38 | 32 | 35 | 30 | 25 | 26 | 22 | 19 | 14 |
| 4 | 67 | 53 | 43 | 35 | 61 | 48 | 39 | 32 | 39 | 32 | 26 | 31 | 25 | 20 | 23 | 18 | 15 | 10 |
| 5 | 61 | 47 | 37 | 29 | 55 | 42 | 33 | 27 | 34 | 27 | 22 | 27 | 21 | 17 | 20 | 15 | 12 | 8 |
| 6 | 56 | 41 | 32 | 25 | 51 | 38 | 29 | 22 | 31 | 24 | 18 | 24 | 18 | 14 | 18 | 13 | 10 | 7 |
| 7 | 52 | 37 | 28 | 21 | 47 | 34 | 25 | 19 | 28 | 21 | 16 | 22 | 16 | 12 | 16 | 12 | 9 | 6 |
| 8 | 48 | 33 | 24 | 18 | 43 | 31 | 22 | 17 | 25 | 18 | 14 | 20 | 14 | 10 | 15 | 11 | 7 | 5 |
| 9 | 44 | 30 | 22 | 16 | 40 | 28 | 20 | 15 | 23 | 16 | 12 | 18 | 13 | 9 | 14 | 9 | 6 | 4 |
| 10 | 41 | 28 | 20 | 14 | 38 | 25 | 18 | 13 | 21 | 15 | 10 | 17 | 12 | 8 | 13 | 9 | 6 | 4 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45A44 - 3700K - 54 INCH.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 | 7.2 | 7.2 | 7.2 | 7.4 | 8.7 | 7.2 | 7.2 | 7.2 | 7.5 | 8.7 |
| | 3H | 10.5 | 11.5 | 11.4 | 12.5 | 13.7 | 10.5 | 11.5 | 11.4 | 12.5 | 13.7 |
| | 4H | 13.2 | 14.1 | 14.1 | 15.1 | 16.4 | 13.2 | 14.1 | 14.2 | 15.1 | 16.4 |
| | 6H | 16.0 | 16.9 | 16.9 | 17.9 | 19.2 | 16.0 | 16.9 | 17.0 | 17.9 | 19.2 |
| | 8H | 17.5 | 18.3 | 18.4 | 19.3 | 20.6 | 17.5 | 18.3 | 18.4 | 19.3 | 20.6 |
| | 12H | 19.1 | 19.9 | 20.1 | 20.9 | 22.2 | 19.1 | 19.9 | 20.1 | 20.9 | 22.3 |

UGR Viewed Endwise

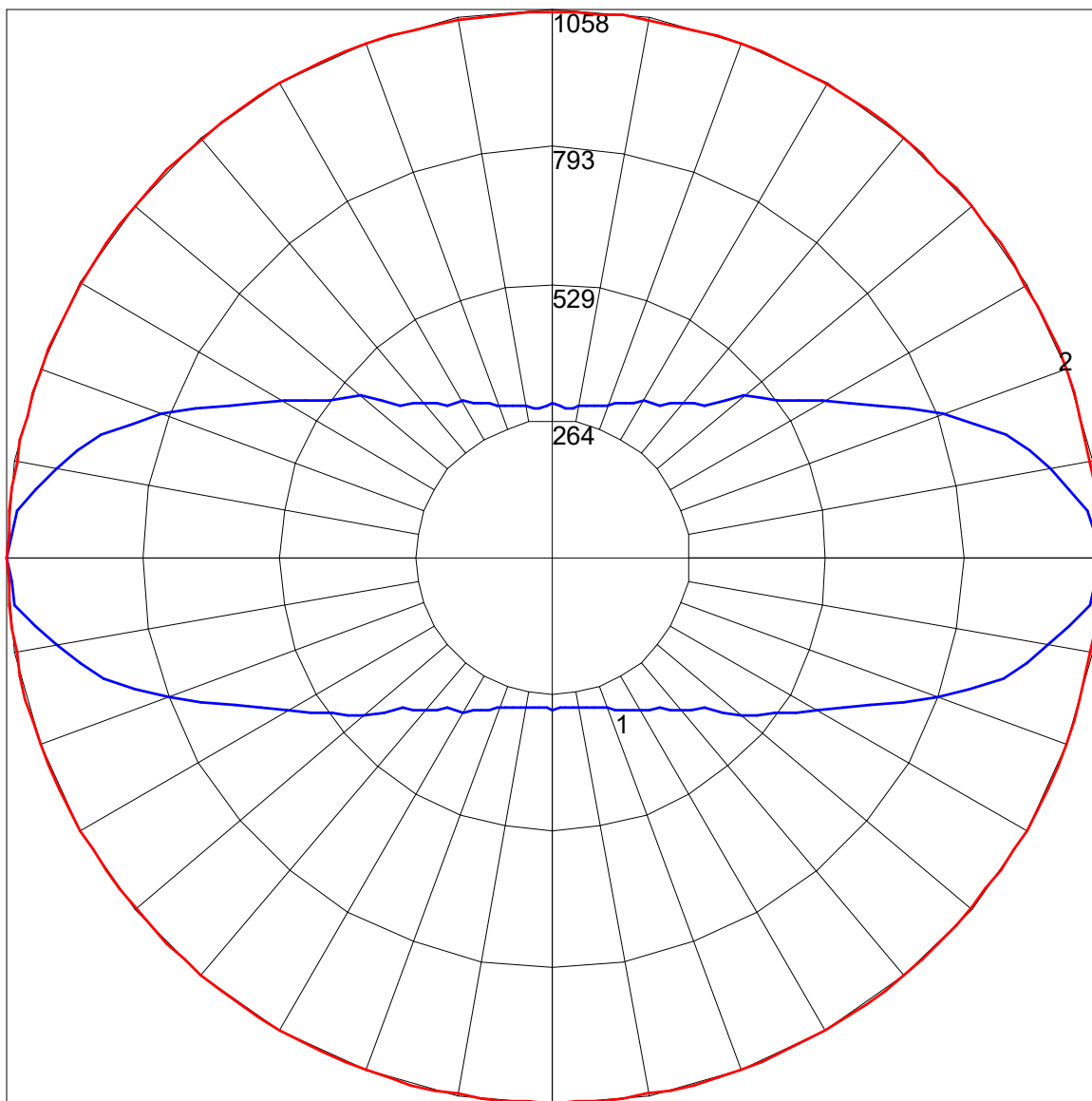
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 7.2 | 7.9 | 7.9 | 8.9 | 10.2 | 7.2 | 7.9 | 7.9 | 8.9 | 10.2 |
| | 3H | 12.1 | 12.9 | 13.0 | 13.9 | 15.2 | 12.1 | 12.9 | 13.0 | 13.9 | 15.2 |
| | 4H | 14.8 | 15.6 | 15.8 | 16.6 | 17.9 | 14.8 | 15.6 | 15.8 | 16.6 | 17.9 |
| | 6H | 17.7 | 18.4 | 18.7 | 19.4 | 20.8 | 17.7 | 18.4 | 18.7 | 19.5 | 20.8 |
| | 8H | 19.3 | 19.9 | 20.2 | 20.9 | 22.3 | 19.3 | 19.9 | 20.3 | 21.0 | 22.3 |
| | 12H | 21.0 | 21.6 | 22.0 | 22.6 | 24.0 | 21.0 | 21.6 | 22.0 | 22.6 | 24.0 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 15.9 | 16.5 | 16.9 | 17.6 | 18.9 | 15.9 | 16.5 | 16.9 | 17.6 | 18.9 |
| | 6H | 19.0 | 19.6 | 20.0 | 20.6 | 21.9 | 19.0 | 19.6 | 20.0 | 20.6 | 21.9 |
| | 8H | 20.7 | 21.2 | 21.7 | 22.2 | 23.6 | 20.7 | 21.2 | 21.7 | 22.3 | 23.6 |
| | 12H | 22.6 | 23.1 | 23.6 | 24.1 | 25.5 | 22.6 | 23.1 | 23.6 | 24.1 | 25.5 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 16.2 | 16.8 | 17.2 | 17.9 | 19.2 | 16.2 | 16.8 | 17.2 | 17.9 | 19.2 |
| | 6H | 19.4 | 19.9 | 20.4 | 21.0 | 22.3 | 19.4 | 19.9 | 20.4 | 21.0 | 22.3 |
| | 8H | 21.2 | 21.7 | 22.2 | 22.7 | 24.1 | 21.2 | 21.7 | 22.2 | 22.7 | 24.1 |

Maximum UGR = 25.5

POLAR GRAPH



Maximum Candela = 1057.968 Located At Horizontal Angle = 290, Vertical Angle = 90
1 - Vertical Plane Through Horizontal Angles (290 - 110) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (90) (Through Max. Cd.)