

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[MANUFAC] Fabbian srl
[EULUMDAT_ITYP] 2
[EULUMDAT_HDIST] 5
[EULUMD_VDIST] 5
[TEST] 01
[TESTLAB]
[LUMINAIRE] XY&Z Spots
[LUMCAT] 24082023
[EULUM_FILENAME] XY&Z suspension_wall lamp glass.LDT
[ISSUEDATE] LDT Editor version 1.3.1.0 - DIAL GmbH (www.dial.de) on 24-08-2023
[EULUM_AREALENGTH] 130
[EULUM_AREAWIDTH] 0
[EULUM_C0_LUM] 200
[EULUM_C90_LUM] 200
[EULUM_C180_LUM] 200
[EULUM_C270_LUM] 200
[EULUM_DOWN_FLUX] 69.3
[EULUM_EFFICIENCY] 86.1
[EULUM_CONV] 1
[EULUM_TILT] 0.0
[EULUM_LAMP_1_NUM] 1
[EULUM_LAMP_1_TYPE] LED
[EULUM_LAMP_1_FLUX] 622
[EULUM_LAMP_1_COLOR] 3500
[EULUM_LAMP_1_CRG] 90
[EULUM_LAMP_1_WATTS] 7
[LAMP] LED
[EULUM_DR_0] 0.23
[EULUM_DR_1] 0.3
[EULUM_DR_2] 0.37
[EULUM_DR_3] 0.43
[EULUM_DR_4] 0.48
[EULUM_DR_5] 0.56
[EULUM_DR_6] 0.62
[EULUM_DR_7] 0.66
[EULUM_DR_8] 0.72
[EULUM_DR_9] 0.76
[CONVERT] Luminaire test position and photometric web converted from original test data
[OTHER] converted from LDT file to IES. 270 DEG ORIENTATION ADJUST.

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CHARACTERISTICS

Lumens Per Lamp	622 (1 lamp)
Total Lamp Lumens	622
Luminaire Lumens	536
Total Luminaire Efficiency	86 %
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.62
Spacing Criterion (Diagonal)	1.58
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.13 m (Diameter)
Luminous Width (90-270)	0.13 m (Diameter)
Luminous Height	0.20 m



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2876	2808	3117
55	2226	1858	2133
65	1508	1578	1540
75	1458	1528	1421
85	1440	1542	1480

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	83.118	83.126	83.134	83.155	83.177	83.210	83.243	83.285	83.327	83.373
5.0	80.692	80.708	80.723	80.767	80.810	80.876	80.941	81.025	81.109	81.202
7.5	83.087	83.122	83.158	83.178	83.199	83.202	83.205	83.191	83.177	83.137
10.0	85.481	85.537	85.593	85.590	85.587	85.528	85.469	85.357	85.245	85.071
12.5	84.925	84.996	85.068	85.131	85.195	85.243	85.292	85.321	85.351	85.337
15.0	84.368	84.455	84.542	84.673	84.803	84.959	85.114	85.286	85.457	85.603
17.5	84.216	84.331	84.446	84.606	84.766	84.956	85.146	85.335	85.525	85.670
20.0	84.063	84.206	84.349	84.539	84.729	84.953	85.177	85.385	85.593	85.737
22.5	84.822	84.891	84.959	85.056	85.152	85.356	85.560	85.758	85.957	86.010
25.0	85.581	85.575	85.569	85.572	85.575	85.759	85.942	86.132	86.321	86.284
27.5	84.869	84.886	84.903	84.965	85.028	85.284	85.541	85.808	86.076	86.178
30.0	84.157	84.197	84.237	84.359	84.480	84.810	85.139	85.485	85.830	86.073
32.5	83.143	83.300	83.457	83.623	83.790	83.948	84.107	84.363	84.620	85.160
35.0	82.129	82.403	82.676	82.888	83.099	83.087	83.074	83.242	83.410	84.247
37.5	86.306	86.117	85.929	85.937	85.945	85.752	85.559	85.062	84.564	84.455
40.0	90.482	89.832	89.182	88.986	88.790	88.417	88.044	86.881	85.718	84.664
42.5	85.199	85.063	84.928	84.939	84.950	85.122	85.295	84.810	84.325	83.575
45.0	79.915	80.294	80.673	80.891	81.109	81.828	82.546	82.739	82.931	82.487
47.5	75.085	75.125	75.166	75.155	75.144	75.307	75.471	75.567	75.663	75.859
50.0	70.255	69.957	69.658	69.419	69.179	68.787	68.395	68.395	68.395	69.232
52.5	67.322	66.792	66.262	66.209	66.156	65.461	64.766	64.134	63.503	63.573
55.0	64.389	63.628	62.866	63.000	63.133	62.135	61.136	59.874	58.611	57.915
57.5	57.594	57.285	56.976	57.238	57.501	57.602	57.703	57.532	57.361	56.207
60.0	50.799	50.942	51.085	51.477	51.869	53.069	54.269	55.190	56.111	54.500
62.5	47.409	47.342	47.275	47.465	47.655	48.542	49.430	50.489	51.549	51.559
65.0	44.019	43.742	43.465	43.453	43.440	44.016	44.591	45.789	46.986	48.619
67.5	41.942	42.067	42.193	42.305	42.417	42.829	43.242	44.047	44.853	46.390
70.0	39.864	40.393	40.921	41.158	41.394	41.643	41.892	42.306	42.719	44.162
72.5	40.751	41.026	41.301	41.197	41.093	41.321	41.550	41.793	42.035	42.956
75.0	41.637	41.659	41.680	41.236	40.791	41.000	41.208	41.280	41.351	41.749
77.5	39.765	40.211	40.657	40.805	40.953	41.105	41.258	41.189	41.121	41.376
80.0	37.892	38.763	39.634	40.374	41.114	41.211	41.307	41.099	40.890	41.002
82.5	38.437	38.757	39.077	39.744	40.411	40.760	41.108	40.698	40.287	40.578
85.0	38.981	38.751	38.520	39.114	39.708	40.309	40.909	40.297	39.684	40.154
87.5	38.866	38.860	38.853	38.757	38.660	39.536	40.412	39.640	38.869	39.504
90.0	38.751	38.969	39.186	38.399	37.612	38.763	39.914	38.984	38.054	38.854
92.5	38.331	38.054	37.777	37.438	37.099	38.164	39.230	38.278	37.326	37.867
95.0	37.911	37.140	36.368	36.477	36.586	37.566	38.545	37.572	36.598	36.881
97.5	35.712	35.743	35.774	35.970	36.166	36.776	37.385	36.620	35.855	36.175
100.0	33.513	34.347	35.180	35.463	35.746	35.986	36.225	35.669	35.112	35.470
102.5	34.083	34.712	35.342	35.197	35.053	34.835	34.618	34.423	34.229	34.734
105.0	34.652	35.078	35.504	34.932	34.359	33.685	33.010	33.178	33.345	33.999
107.5	32.929	33.220	33.511	33.223	32.935	32.809	32.683	32.790	32.898	34.010
110.0	31.206	31.362	31.517	31.514	31.511	31.934	32.356	32.403	32.450	34.021
112.5	30.410	30.629	30.848	30.705	30.562	30.694	30.826	31.551	32.276	33.804
115.0	29.613	29.896	30.179	29.896	29.613	29.455	29.296	30.699	32.101	33.588
117.5	28.889	29.013	29.138	29.253	29.368	29.833	30.298	31.447	32.596	32.282
120.0	28.164	28.130	28.096	28.609	29.122	30.211	31.299	32.195	33.090	30.976
122.5	28.628	28.556	28.485	28.601	28.718	29.029	29.340	29.609	29.878	28.606
125.0	29.091	28.982	28.873	28.593	28.313	27.847	27.380	27.023	26.665	26.236
127.5	26.009	25.942	25.875	25.793	25.710	25.471	25.231	25.144	25.057	25.092
130.0	22.927	22.902	22.877	22.992	23.107	23.095	23.082	23.266	23.449	23.947
132.5	22.613	22.541	22.470	22.717	22.964	22.872	22.781	22.872	22.964	23.336

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

135.0	22.299	22.181	22.062	22.442	22.821	22.650	22.479	22.479	22.479	22.725
137.5	21.789	21.688	21.587	21.902	22.218	21.767	21.316	20.946	20.576	20.415
140.0	21.279	21.195	21.111	21.363	21.615	20.884	20.153	19.413	18.672	18.106
142.5	18.001	18.167	18.334	18.357	18.381	18.012	17.643	17.514	17.385	17.287
145.0	14.723	15.140	15.556	15.351	15.146	15.140	15.133	15.615	16.097	16.468
147.5	14.925	15.144	15.364	15.326	15.289	15.542	15.796	16.132	16.468	16.640
150.0	15.127	15.149	15.171	15.302	15.432	15.945	16.458	16.648	16.838	16.813
152.5	15.777	15.790	15.802	15.880	15.958	16.255	16.552	16.653	16.754	16.664
155.0	16.427	16.430	16.433	16.458	16.483	16.564	16.645	16.658	16.670	16.515
157.5	15.777	15.827	15.877	15.979	16.082	16.168	16.253	16.247	16.241	16.146
160.0	15.127	15.224	15.320	15.501	15.681	15.771	15.861	15.836	15.811	15.777
162.5	14.284	14.357	14.431	14.540	14.649	14.712	14.776	14.787	14.798	14.808
165.0	13.441	13.491	13.541	13.579	13.616	13.653	13.690	13.737	13.784	13.840
167.5	12.378	12.403	12.428	12.442	12.456	12.457	12.459	12.449	12.440	12.412
170.0	11.314	11.314	11.314	11.305	11.296	11.262	11.227	11.162	11.096	10.985
172.5	8.833	8.798	8.764	8.725	8.687	8.637	8.587	8.521	8.456	8.368
175.0	6.351	6.283	6.214	6.146	6.077	6.012	5.946	5.881	5.816	5.751
177.5	5.620	5.586	5.552	5.517	5.483	5.450	5.418	5.385	5.353	5.320
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	83.420	83.483	83.547	83.616	83.684	83.762	83.840	83.924	84.008	84.099
5.0	81.295	81.423	81.550	81.687	81.824	81.980	82.135	82.303	82.471	82.655
7.5	83.096	83.040	82.984	82.902	82.819	82.724	82.630	82.533	82.437	82.370
10.0	84.897	84.658	84.418	84.116	83.814	83.469	83.124	82.764	82.403	82.086
12.5	85.323	85.236	85.149	84.970	84.791	84.527	84.263	83.930	83.597	83.236
15.0	85.749	85.815	85.880	85.824	85.768	85.585	85.401	85.096	84.791	84.387
17.5	85.815	85.880	85.945	85.922	85.899	85.807	85.715	85.561	85.407	85.209
20.0	85.880	85.945	86.010	86.020	86.029	86.029	86.029	86.026	86.023	86.032
22.5	86.064	86.000	85.936	85.886	85.836	85.900	85.964	86.073	86.182	86.231
25.0	86.247	86.054	85.861	85.752	85.643	85.771	85.898	86.119	86.340	86.430
27.5	86.281	86.303	86.325	86.370	86.415	86.541	86.667	86.685	86.704	86.631
30.0	86.315	86.552	86.788	86.987	87.186	87.311	87.435	87.252	87.068	86.832
32.5	85.699	86.373	87.046	87.401	87.755	88.082	88.408	88.433	88.458	88.234
35.0	85.083	86.194	87.304	87.814	88.324	88.853	89.381	89.615	89.848	89.637
37.5	84.346	84.699	85.053	85.376	85.699	86.699	87.699	88.355	89.012	89.082
40.0	83.609	83.205	82.801	82.938	83.074	84.545	86.016	87.096	88.175	88.527
42.5	82.826	81.815	80.804	79.795	78.786	79.600	80.415	81.754	83.093	83.891
45.0	82.042	80.425	78.807	76.652	74.497	74.656	74.814	76.413	78.011	79.255
47.5	76.055	75.641	75.228	73.382	71.537	70.624	69.711	70.438	71.166	72.513
50.0	70.068	70.858	71.648	70.112	68.576	66.592	64.607	64.464	64.321	65.771
52.5	63.643	64.234	64.825	64.638	64.452	63.091	61.731	60.382	59.034	60.064
55.0	57.218	57.610	58.001	59.165	60.328	59.591	58.854	56.301	53.747	54.357
57.5	55.054	54.578	54.102	55.074	56.046	56.061	56.077	53.872	51.667	51.267
60.0	52.889	51.546	50.202	50.983	51.763	52.531	53.299	51.443	49.586	48.177
62.5	51.570	49.987	48.404	48.194	47.985	48.956	49.928	48.872	47.817	45.980
65.0	50.251	48.429	46.606	45.406	44.206	45.382	46.557	46.302	46.047	43.783
67.5	47.928	47.591	47.253	45.370	43.488	44.305	45.123	45.412	45.702	43.542
70.0	45.605	46.753	47.900	45.335	42.769	43.229	43.689	44.523	45.356	43.301
72.5	43.876	45.456	47.036	45.490	43.945	43.455	42.965	43.731	44.498	42.954
75.0	42.147	44.159	46.171	45.646	45.120	43.680	42.240	42.940	43.640	42.607
77.5	41.631	43.375	45.120	45.453	45.786	43.963	42.141	42.722	43.304	42.699
80.0	41.114	42.592	44.069	45.260	46.451	44.246	42.041	42.505	42.968	42.791

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

82.5	40.869	41.771	42.673	44.441	46.209	43.747	41.286	41.822	42.359	42.435
85.0	40.623	40.950	41.276	43.621	45.966	43.248	40.530	41.140	41.749	42.079
87.5	40.138	40.329	40.520	42.971	45.422	42.743	40.064	40.407	40.751	41.113
90.0	39.653	39.709	39.764	42.321	44.877	42.237	39.597	39.675	39.752	40.147
92.5	38.409	38.763	39.118	41.347	43.577	41.332	39.087	39.255	39.423	39.782
95.0	37.164	37.818	38.471	40.374	42.277	40.427	38.576	38.835	39.093	39.417
97.5	36.496	37.550	38.605	40.090	41.575	39.502	37.429	37.824	38.219	38.311
100.0	35.827	37.283	38.738	39.805	40.872	38.577	36.281	36.813	37.345	37.205
102.5	35.240	36.938	38.636	38.895	39.155	37.417	35.678	35.970	36.263	36.082
105.0	34.652	36.593	38.533	37.986	37.438	36.257	35.075	35.128	35.180	34.960
107.5	35.122	36.725	38.328	36.835	35.342	34.961	34.581	34.700	34.820	33.765
110.0	35.591	36.857	38.122	35.684	33.246	33.666	34.086	34.273	34.459	32.571
112.5	35.333	35.302	35.271	33.727	32.183	32.550	32.917	32.994	33.072	30.862
115.0	35.075	33.747	32.419	31.769	31.119	31.433	31.747	31.716	31.685	29.154
117.5	31.968	31.150	30.332	29.939	29.545	30.281	31.016	30.217	29.418	27.393
120.0	28.861	28.553	28.245	28.108	27.971	29.128	30.285	28.718	27.150	25.633
122.5	27.334	27.090	26.846	27.077	27.309	27.836	28.363	26.595	24.827	24.373
125.0	25.807	25.627	25.446	26.046	26.646	26.544	26.441	24.473	22.504	23.114
127.5	25.126	25.012	24.899	24.894	24.889	24.205	23.521	22.266	21.011	21.968
130.0	24.445	24.398	24.351	23.742	23.132	21.867	20.601	20.060	19.518	20.822
132.5	23.708	23.117	22.526	21.457	20.389	20.005	19.621	19.966	20.311	21.372
135.0	22.970	21.835	20.700	19.173	17.646	18.144	18.641	19.873	21.104	21.922
137.5	20.255	19.612	18.968	18.267	17.565	18.279	18.993	20.016	21.039	21.580
140.0	17.540	17.388	17.236	17.360	17.484	18.414	19.344	20.159	20.974	21.239
142.5	17.189	17.371	17.553	17.814	18.075	18.707	19.338	19.901	20.464	20.673
145.0	16.838	17.354	17.870	18.268	18.666	18.999	19.332	19.643	19.954	20.107
147.5	16.813	17.113	17.413	17.730	18.047	18.347	18.648	18.881	19.114	19.226
150.0	16.788	16.872	16.956	17.192	17.428	17.696	17.963	18.119	18.274	18.346
152.5	16.574	16.522	16.471	16.567	16.663	16.859	17.055	17.192	17.329	17.380
155.0	16.359	16.172	15.985	15.942	15.898	16.023	16.147	16.265	16.383	16.415
157.5	16.051	15.925	15.799	15.758	15.718	15.763	15.808	15.824	15.839	15.768
160.0	15.743	15.678	15.612	15.575	15.538	15.504	15.469	15.382	15.295	15.121
162.5	14.819	14.800	14.782	14.745	14.708	14.625	14.543	14.376	14.210	13.944
165.0	13.895	13.923	13.951	13.914	13.877	13.747	13.616	13.370	13.124	12.767
167.5	12.384	12.317	12.250	12.127	12.005	11.817	11.629	11.375	11.122	10.809
170.0	10.873	10.711	10.549	10.341	10.132	9.887	9.641	9.380	9.119	8.852
172.5	8.279	8.173	8.068	7.941	7.815	7.677	7.539	7.397	7.256	7.121
175.0	5.685	5.636	5.586	5.542	5.498	5.467	5.436	5.415	5.393	5.390
177.5	5.287	5.262	5.238	5.216	5.194	5.178	5.163	5.152	5.141	5.140
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	84.191	84.286	84.381	84.477	84.574	84.670	84.767	84.854	84.941	85.014
5.0	82.838	83.028	83.217	83.410	83.603	83.796	83.989	84.163	84.337	84.483
7.5	82.303	82.291	82.278	82.347	82.415	82.602	82.789	83.053	83.317	83.617
10.0	81.768	81.554	81.339	81.283	81.227	81.408	81.588	81.943	82.297	82.751
12.5	82.875	82.555	82.235	82.015	81.796	81.762	81.728	81.884	82.039	82.392
15.0	83.982	83.556	83.130	82.748	82.365	82.117	81.868	81.825	81.781	82.033
17.5	85.012	84.794	84.577	84.346	84.116	83.737	83.358	82.991	82.624	82.530
20.0	86.041	86.032	86.023	85.945	85.867	85.357	84.847	84.157	83.466	83.028
22.5	86.281	86.292	86.303	86.313	86.324	86.110	85.895	85.197	84.499	83.678
25.0	86.520	86.551	86.582	86.682	86.781	86.862	86.943	86.237	85.531	84.328
27.5	86.558	86.509	86.461	86.674	86.887	86.993	87.099	86.663	86.228	84.903

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

30.0	86.595	86.468	86.340	86.667	86.993	87.124	87.254	87.089	86.924	85.478
32.5	88.010	87.981	87.951	88.310	88.669	88.976	89.282	89.263	89.245	88.041
35.0	89.425	89.494	89.562	89.954	90.345	90.828	91.310	91.438	91.565	90.604
37.5	89.152	89.323	89.494	89.870	90.246	90.814	91.382	91.675	91.969	91.193
40.0	88.878	89.152	89.425	89.786	90.146	90.800	91.453	91.913	92.373	91.782
42.5	84.689	85.110	85.531	85.869	86.206	86.862	87.519	88.088	88.657	88.487
45.0	80.499	81.068	81.637	81.952	82.266	82.925	83.584	84.262	84.940	85.192
47.5	73.860	74.696	75.533	76.023	76.513	76.892	77.271	77.902	78.534	78.884
50.0	67.220	68.324	69.428	70.094	70.759	70.859	70.958	71.543	72.127	72.575
52.5	61.093	62.665	64.237	64.702	65.167	65.142	65.118	65.648	66.178	66.622
55.0	54.966	57.006	59.046	59.311	59.575	59.426	59.277	59.753	60.228	60.670
57.5	50.867	52.480	54.092	54.644	55.196	55.374	55.551	55.806	56.061	56.547
60.0	46.768	47.953	49.138	49.978	50.817	51.321	51.825	51.859	51.893	52.425
62.5	44.143	44.792	45.440	46.715	47.990	48.239	48.488	48.664	48.839	49.391
65.0	41.518	41.630	41.742	43.453	45.163	45.157	45.151	45.468	45.785	46.358
67.5	41.382	40.895	40.408	41.892	43.375	43.702	44.029	44.330	44.632	44.862
70.0	41.245	40.160	39.074	40.331	41.587	42.247	42.906	43.192	43.478	43.366
72.5	41.410	39.873	38.337	39.817	41.298	42.033	42.769	42.718	42.666	42.550
75.0	41.574	39.587	37.600	39.304	41.008	41.820	42.632	42.243	41.854	41.733
77.5	42.094	39.578	37.062	38.696	40.331	41.169	42.007	41.876	41.746	41.620
80.0	42.613	39.569	36.524	38.089	39.653	40.518	41.382	41.510	41.637	41.506
82.5	42.511	39.368	36.226	37.599	38.972	39.894	40.816	40.877	40.937	41.218
85.0	42.408	39.168	35.927	37.109	38.290	39.270	40.250	40.244	40.237	40.931
87.5	41.475	38.277	35.078	36.580	38.082	39.094	40.107	39.813	39.519	40.172
90.0	40.542	37.386	34.229	36.052	37.874	38.919	39.963	39.382	38.800	39.413
92.5	40.141	37.056	33.971	35.565	37.159	38.147	39.136	38.813	38.489	38.852
95.0	39.740	36.726	33.712	35.078	36.443	37.376	38.309	38.244	38.178	38.290
97.5	38.403	35.619	32.835	34.536	36.238	36.914	37.591	37.483	37.376	37.819
100.0	37.065	34.512	31.958	33.995	36.032	36.452	36.872	36.723	36.574	37.348
102.5	35.902	33.823	31.744	33.655	35.566	36.073	36.580	36.247	35.915	36.630
105.0	34.739	33.134	31.529	33.314	35.099	35.693	36.287	35.771	35.255	35.911
107.5	32.711	31.725	30.739	32.510	34.282	34.694	35.106	34.778	34.450	34.869
110.0	30.683	30.316	29.949	31.707	33.464	33.694	33.924	33.784	33.644	33.828
112.5	28.653	28.786	28.920	30.663	32.407	32.528	32.649	32.607	32.565	32.766
115.0	26.622	27.256	27.890	29.620	31.349	31.362	31.374	31.430	31.486	31.704
117.5	25.369	26.213	27.057	28.583	30.108	30.239	30.370	30.433	30.497	30.548
120.0	24.115	25.170	26.224	27.546	28.867	29.116	29.365	29.437	29.508	29.393
122.5	23.919	24.779	25.639	26.463	27.287	27.578	27.869	27.961	28.053	27.972
125.0	23.723	24.389	25.054	25.381	25.707	26.040	26.373	26.485	26.597	26.550
127.5	22.924	23.722	24.519	24.681	24.843	25.034	25.226	25.328	25.431	25.275
130.0	22.125	23.055	23.984	23.981	23.978	24.028	24.078	24.171	24.264	24.000
132.5	22.433	23.078	23.723	23.507	23.291	23.442	23.593	23.666	23.739	23.373
135.0	22.740	23.101	23.462	23.033	22.603	22.855	23.107	23.160	23.213	22.747
137.5	22.122	22.182	22.243	21.957	21.670	22.062	22.454	22.450	22.445	21.887
140.0	21.503	21.264	21.024	20.881	20.737	21.269	21.801	21.739	21.677	21.027
142.5	20.881	20.693	20.505	20.232	19.960	20.128	20.296	20.144	19.991	19.352
145.0	20.259	20.122	19.985	19.584	19.182	18.987	18.791	18.548	18.305	17.677
147.5	19.338	19.271	19.205	18.890	18.576	18.293	18.010	17.659	17.307	16.628
150.0	18.417	18.421	18.424	18.197	17.970	17.600	17.229	16.769	16.309	15.578
152.5	17.432	17.443	17.454	17.289	17.124	16.718	16.312	15.662	15.012	14.174
155.0	16.446	16.465	16.483	16.381	16.278	15.836	15.394	14.555	13.715	12.770
157.5	15.697	15.575	15.454	15.199	14.944	14.407	13.871	13.062	12.254	11.406
160.0	14.947	14.686	14.424	14.017	13.609	12.978	12.347	11.570	10.792	10.043
162.5	13.678	13.319	12.960	12.499	12.039	11.464	10.889	10.277	9.666	9.145
165.0	12.409	11.952	11.495	10.982	10.468	9.949	9.430	8.985	8.540	8.248
167.5	10.497	10.139	9.781	9.403	9.025	8.666	8.307	7.998	7.688	7.473

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

170.0	8.584	8.326	8.067	7.825	7.582	7.383	7.184	7.010	6.836	6.699
172.5	6.986	6.858	6.730	6.615	6.500	6.413	6.326	6.251	6.177	6.122
175.0	5.387	5.390	5.393	5.406	5.418	5.443	5.467	5.492	5.517	5.545
177.5	5.138	5.140	5.141	5.147	5.154	5.166	5.178	5.191	5.203	5.217
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	85.087	85.143	85.199	85.230	85.261	85.263	85.264	85.224	85.183	85.115
5.0	84.629	84.741	84.853	84.916	84.978	84.981	84.984	84.903	84.822	84.685
7.5	83.917	84.194	84.471	84.668	84.866	84.925	84.984	84.838	84.692	84.410
10.0	83.205	83.647	84.088	84.421	84.754	84.869	84.984	84.773	84.561	84.135
12.5	82.745	83.168	83.591	83.930	84.269	84.364	84.459	84.169	83.880	83.368
15.0	82.284	82.689	83.093	83.438	83.783	83.858	83.933	83.566	83.199	82.602
17.5	82.437	82.765	83.093	83.572	84.051	84.255	84.459	84.057	83.656	82.994
20.0	82.589	82.841	83.093	83.706	84.318	84.651	84.984	84.549	84.113	83.386
22.5	82.857	82.844	82.832	83.580	84.328	84.796	85.264	84.670	84.076	83.216
25.0	83.124	82.847	82.570	83.454	84.337	84.941	85.544	84.791	84.038	83.046
27.5	83.578	83.018	82.459	83.312	84.166	84.855	85.544	84.723	83.902	82.969
30.0	84.032	83.190	82.347	83.171	83.995	84.770	85.544	84.655	83.765	82.891
32.5	86.838	85.799	84.760	85.407	86.054	86.804	87.553	86.469	85.385	84.570
35.0	89.643	88.408	87.173	87.643	88.113	88.838	89.562	88.284	87.005	86.250
37.5	90.417	89.024	87.631	88.083	88.536	89.529	90.523	89.167	87.811	87.092
40.0	91.191	89.640	88.088	88.523	88.958	90.221	91.484	90.050	88.616	87.935
42.5	88.318	86.923	85.529	85.905	86.281	87.660	89.040	87.376	85.712	85.069
45.0	85.444	84.207	82.969	83.286	83.603	85.099	86.595	84.701	82.807	82.204
47.5	79.234	78.035	76.836	77.001	77.166	78.770	80.375	78.584	76.792	76.371
50.0	73.023	71.863	70.703	70.716	70.728	72.442	74.155	72.466	70.777	70.538
52.5	67.067	66.159	65.251	65.089	64.928	66.428	67.929	66.170	64.411	64.710
55.0	61.111	60.455	59.799	59.463	59.127	60.415	61.702	59.874	58.045	58.882
57.5	57.034	56.286	55.539	54.932	54.326	55.711	57.097	55.108	53.119	54.075
60.0	52.957	52.118	51.278	50.401	49.524	51.008	52.491	50.342	48.193	49.269
62.5	49.944	48.816	47.689	46.685	45.680	47.198	48.715	47.194	45.674	46.557
65.0	46.930	45.515	44.100	42.968	41.836	43.388	44.939	44.047	43.154	43.845
67.5	45.092	44.035	42.977	41.948	40.919	42.106	43.294	41.963	40.632	41.951
70.0	43.254	42.554	41.854	40.928	40.001	40.825	41.649	39.880	38.110	40.057
72.5	42.433	41.814	41.195	40.180	39.165	40.144	41.124	39.662	38.200	39.853
75.0	41.612	41.074	40.536	39.432	38.328	39.463	40.598	39.444	38.290	39.649
77.5	41.494	41.316	41.139	39.721	38.303	39.451	40.598	39.510	38.421	39.513
80.0	41.375	41.559	41.742	40.010	38.278	39.438	40.598	39.575	38.552	39.376
82.5	41.500	41.254	41.008	39.570	38.132	39.230	40.328	38.961	37.594	38.966
85.0	41.624	40.949	40.274	39.130	37.986	39.022	40.057	38.347	36.636	38.555
87.5	40.825	40.488	40.150	38.794	37.439	38.546	39.653	38.067	36.481	38.143
90.0	40.026	40.026	40.026	38.459	36.891	38.070	39.248	37.787	36.325	37.731
92.5	39.214	39.051	38.888	37.748	36.608	37.788	38.968	37.379	35.790	37.392
95.0	38.402	38.076	37.749	37.037	36.325	37.507	38.688	36.972	35.255	37.053
97.5	38.262	37.690	37.118	36.044	34.969	36.163	37.357	36.228	35.100	36.555
100.0	38.122	37.305	36.487	35.050	33.613	34.820	36.026	35.485	34.944	36.058
102.5	37.345	36.429	35.514	34.217	32.920	33.930	34.941	34.389	33.837	34.904
105.0	36.567	35.554	34.540	33.383	32.226	33.041	33.855	33.293	32.730	33.750
107.5	35.289	34.628	33.968	32.542	31.116	32.143	33.171	32.618	32.065	32.735
110.0	34.011	33.703	33.395	31.700	30.005	31.246	32.487	31.943	31.399	31.719
112.5	32.966	32.512	32.058	30.742	29.427	30.217	31.007	30.360	29.713	30.361
115.0	31.921	31.321	30.721	29.785	28.848	29.187	29.526	28.777	28.027	29.004

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

117.5	30.600	29.856	29.113	28.483	27.853	27.946	28.040	27.270	26.500	27.575
120.0	29.278	28.392	27.505	27.182	26.858	26.706	26.553	25.763	24.973	26.146
122.5	27.891	26.891	25.891	25.314	24.737	25.166	25.595	25.031	24.466	25.270
125.0	26.503	25.390	24.277	23.447	22.616	23.627	24.637	24.298	23.959	24.395
127.5	25.120	23.966	22.812	22.248	21.683	22.678	23.673	23.031	22.389	22.953
130.0	23.736	22.542	21.347	21.049	20.750	21.730	22.709	21.764	20.818	21.512
132.5	23.008	21.932	20.856	20.308	19.761	20.229	20.697	20.248	19.798	20.503
135.0	22.280	21.322	20.364	19.568	18.772	18.729	18.685	18.732	18.778	19.494
137.5	21.329	20.459	19.590	17.951	16.312	15.197	14.082	14.965	15.849	17.444
140.0	20.377	19.597	18.816	16.334	13.852	11.666	9.479	11.199	12.919	15.395
142.5	18.713	17.748	16.782	14.543	12.303	10.488	8.674	9.994	11.314	13.597
145.0	17.049	15.899	14.748	12.751	10.754	9.311	7.868	8.789	9.709	11.799
147.5	15.948	14.798	13.647	11.883	10.120	8.930	7.741	8.481	9.221	10.966
150.0	14.847	13.697	12.546	11.016	9.485	8.549	7.613	8.173	8.733	10.133
152.5	13.336	12.400	11.464	10.510	9.557	9.052	8.546	8.924	9.302	10.215
155.0	11.824	11.103	10.381	10.005	9.629	9.554	9.479	9.675	9.871	10.297
157.5	10.559	9.937	9.315	8.996	8.677	8.612	8.546	8.719	8.892	9.274
160.0	9.293	8.771	8.248	7.987	7.725	7.669	7.613	7.763	7.912	8.251
162.5	8.624	8.293	7.962	7.831	7.700	7.720	7.741	7.896	8.052	8.332
165.0	7.955	7.815	7.675	7.675	7.675	7.772	7.868	8.030	8.192	8.413
167.5	7.259	7.142	7.025	6.999	6.973	7.016	7.060	7.156	7.253	7.394
170.0	6.562	6.469	6.375	6.323	6.270	6.261	6.251	6.282	6.313	6.376
172.5	6.068	6.033	5.999	5.982	5.965	5.967	5.968	5.984	5.999	6.029
175.0	5.573	5.598	5.623	5.642	5.660	5.673	5.685	5.685	5.685	5.682
177.5	5.231	5.244	5.256	5.265	5.275	5.281	5.287	5.287	5.287	5.286
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	85.046	84.956	84.866	84.762	84.658	84.547	84.437	84.325	84.213	84.106
5.0	84.548	84.368	84.188	83.980	83.771	83.550	83.329	83.106	82.882	82.667
7.5	84.129	83.777	83.426	83.073	82.720	82.410	82.101	81.871	81.641	81.548
10.0	83.709	83.187	82.664	82.167	81.669	81.271	80.872	80.636	80.400	80.428
12.5	82.857	82.328	81.800	81.415	81.031	80.922	80.813	80.908	81.003	81.344
15.0	82.004	81.470	80.935	80.664	80.393	80.574	80.754	81.180	81.606	82.260
17.5	82.331	81.871	81.411	81.428	81.445	81.846	82.247	82.748	83.249	83.751
20.0	82.658	82.272	81.886	82.191	82.496	83.118	83.740	84.316	84.891	85.242
22.5	82.356	82.256	82.157	82.877	83.597	84.325	85.053	85.258	85.463	85.626
25.0	82.054	82.241	82.427	83.563	84.698	85.532	86.365	86.200	86.035	86.010
27.5	82.036	82.574	83.112	84.424	85.737	86.241	86.745	86.545	86.346	86.127
30.0	82.017	82.907	83.796	85.286	86.775	86.950	87.124	86.891	86.657	86.244
32.5	83.756	84.885	86.014	87.432	88.850	89.007	89.164	88.830	88.495	88.156
35.0	85.494	86.863	88.231	89.578	90.924	91.064	91.204	90.769	90.333	90.069
37.5	86.374	87.704	89.033	89.965	90.896	90.822	90.747	90.167	89.587	89.187
40.0	87.254	88.545	89.835	90.352	90.868	90.579	90.290	89.565	88.840	88.305
42.5	84.427	85.710	86.993	87.204	87.416	86.841	86.266	85.771	85.276	85.043
45.0	81.600	82.875	84.150	84.057	83.964	83.103	82.241	81.977	81.712	81.781
47.5	75.949	77.022	78.095	77.983	77.872	77.180	76.488	75.897	75.306	75.147
50.0	70.298	71.169	72.040	71.910	71.779	71.257	70.734	69.817	68.899	68.514
52.5	65.008	65.741	66.473	66.047	65.621	65.444	65.267	64.519	63.771	63.121
55.0	59.718	60.312	60.906	60.185	59.463	59.631	59.799	59.221	58.642	57.728
57.5	55.032	55.638	56.244	55.622	55.000	55.140	55.280	54.845	54.410	53.562
60.0	50.345	50.964	51.582	51.060	50.537	50.649	50.761	50.469	50.177	49.397
62.5	47.440	47.916	48.392	47.920	47.449	47.640	47.832	47.457	47.083	46.073

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

65.0	44.535	44.868	45.201	44.781	44.361	44.632	44.902	44.445	43.988	42.750
67.5	43.270	43.797	44.324	43.696	43.068	43.355	43.643	43.363	43.083	41.536
70.0	42.004	42.726	43.447	42.611	41.774	42.079	42.383	42.281	42.178	40.321
72.5	41.506	41.976	42.446	41.959	41.472	41.638	41.805	41.760	41.715	39.771
75.0	41.008	41.226	41.444	41.307	41.170	41.198	41.226	41.239	41.251	39.220
77.5	40.604	41.075	41.547	41.338	41.130	41.158	41.186	40.781	40.377	38.604
80.0	40.200	40.925	41.649	41.369	41.089	41.117	41.145	40.324	39.503	37.989
82.5	40.337	40.542	40.747	40.982	41.217	41.099	40.981	40.071	39.161	37.771
85.0	40.474	40.160	39.845	40.595	41.344	41.080	40.816	39.818	38.819	37.553
87.5	39.805	39.670	39.534	40.054	40.573	40.296	40.020	39.009	37.998	36.690
90.0	39.136	39.180	39.223	39.513	39.802	39.513	39.223	38.200	37.177	35.827
92.5	38.993	38.960	38.928	38.961	38.994	38.477	37.961	37.231	36.502	35.059
95.0	38.850	38.741	38.632	38.409	38.185	37.442	36.698	36.263	35.827	34.291
97.5	38.011	37.913	37.815	37.645	37.476	37.020	36.565	35.865	35.165	33.742
100.0	37.171	37.084	36.997	36.882	36.766	36.599	36.431	35.467	34.502	33.193
102.5	35.971	36.121	36.272	36.138	36.005	35.795	35.585	34.768	33.952	32.392
105.0	34.770	35.159	35.547	35.395	35.243	34.991	34.739	34.070	33.401	31.591
107.5	33.405	33.901	34.397	34.363	34.329	34.204	34.080	33.512	32.944	31.212
110.0	32.039	32.643	33.246	33.330	33.414	33.417	33.420	32.954	32.487	30.833
112.5	31.010	31.787	32.565	32.291	32.018	32.066	32.114	31.901	31.688	30.191
115.0	29.980	30.932	31.884	31.253	30.621	30.715	30.808	30.849	30.889	29.549
117.5	28.649	29.531	30.413	29.992	29.570	29.460	29.349	29.385	29.421	28.365
120.0	27.318	28.130	28.942	28.731	28.519	28.205	27.890	27.922	27.953	27.182
122.5	26.074	26.891	27.707	27.469	27.232	26.796	26.360	26.611	26.861	26.099
125.0	24.830	25.651	26.472	26.208	25.944	25.387	24.830	25.300	25.769	25.017
127.5	23.518	24.389	25.260	25.117	24.974	24.638	24.302	24.549	24.796	24.306
130.0	22.205	23.126	24.047	24.025	24.003	23.888	23.773	23.798	23.823	23.596
132.5	21.207	22.122	23.036	23.237	23.437	23.324	23.210	23.168	23.126	23.044
135.0	20.209	21.117	22.025	22.448	22.871	22.759	22.647	22.538	22.429	22.492
137.5	19.040	20.033	21.027	21.415	21.804	21.856	21.907	22.024	22.140	22.101
140.0	17.870	18.949	20.028	20.383	20.737	20.952	21.167	21.509	21.851	21.711
142.5	15.880	17.344	18.809	19.459	20.109	20.270	20.430	20.543	20.657	20.495
145.0	13.889	15.740	17.590	18.536	19.481	19.587	19.693	19.578	19.462	19.279
147.5	12.711	14.295	15.880	16.799	17.718	17.998	18.278	18.319	18.361	18.294
150.0	11.532	12.851	14.169	15.062	15.954	16.408	16.862	17.061	17.260	17.310
152.5	11.128	12.093	13.059	13.857	14.654	15.183	15.712	15.971	16.231	16.300
155.0	10.723	11.336	11.949	12.652	13.354	13.958	14.561	14.882	15.202	15.289
157.5	9.657	10.231	10.805	11.507	12.210	12.841	13.473	13.891	14.310	14.502
160.0	8.590	9.125	9.660	10.363	11.065	11.725	12.384	12.901	13.417	13.716
162.5	8.612	9.018	9.424	9.927	10.431	10.918	11.405	11.807	12.210	12.482
165.0	8.633	8.910	9.187	9.492	9.796	10.111	10.425	10.714	11.003	11.249
167.5	7.536	7.718	7.900	8.102	8.304	8.520	8.736	8.948	9.159	9.366
170.0	6.438	6.525	6.612	6.712	6.811	6.929	7.047	7.181	7.315	7.483
172.5	6.059	6.097	6.136	6.183	6.230	6.292	6.354	6.430	6.507	6.608
175.0	5.679	5.670	5.660	5.654	5.648	5.654	5.660	5.679	5.698	5.732
177.5	5.284	5.279	5.275	5.272	5.269	5.272	5.275	5.284	5.294	5.311
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

Vert. Horizontal Angles

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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	83.998	83.902	83.806	83.718	83.631	83.561	83.491	83.434	83.376	83.334
5.0	82.452	82.260	82.067	81.893	81.718	81.578	81.438	81.323	81.208	81.124
7.5	81.454	81.429	81.405	81.417	81.429	81.459	81.488	81.513	81.538	81.561
10.0	80.456	80.599	80.742	80.941	81.140	81.339	81.538	81.703	81.868	81.999

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

12.5	81.685	82.070	82.456	82.678	82.900	82.975	83.050	83.092	83.134	83.221
15.0	82.913	83.541	84.169	84.415	84.660	84.611	84.561	84.480	84.399	84.443
17.5	84.253	84.671	85.090	85.242	85.394	85.248	85.102	84.880	84.657	84.550
20.0	85.593	85.802	86.010	86.069	86.128	85.886	85.643	85.279	84.915	84.657
22.5	85.789	85.900	86.010	86.047	86.085	85.811	85.538	85.264	84.990	84.779
25.0	85.985	85.998	86.010	86.026	86.041	85.737	85.432	85.249	85.065	84.900
27.5	85.908	85.957	86.007	86.049	86.091	85.965	85.840	85.709	85.578	85.508
30.0	85.830	85.917	86.004	86.073	86.141	86.194	86.247	86.169	86.091	86.116
32.5	87.817	87.819	87.820	87.848	87.877	87.696	87.516	87.094	86.673	86.337
35.0	89.804	89.720	89.636	89.624	89.612	89.198	88.784	88.019	87.254	86.558
37.5	88.787	88.706	88.626	88.463	88.300	87.565	86.831	85.771	84.710	84.091
40.0	87.770	87.693	87.615	87.301	86.987	85.933	84.878	83.522	82.166	81.625
42.5	84.810	84.256	83.703	82.921	82.139	80.930	79.722	79.064	78.406	79.067
45.0	81.849	80.820	79.790	78.540	77.290	75.928	74.565	74.606	74.646	76.509
47.5	74.989	73.962	72.936	71.519	70.103	69.701	69.300	70.479	71.658	73.144
50.0	68.128	67.105	66.081	64.498	62.915	63.475	64.035	66.352	68.669	69.779
52.5	62.471	61.359	60.247	59.319	58.390	59.784	61.177	62.850	64.524	64.544
55.0	56.813	55.613	54.413	54.139	53.865	56.092	58.319	59.349	60.378	59.308
57.5	52.715	51.458	50.202	51.104	52.006	53.889	55.772	55.707	55.641	54.918
60.0	48.616	47.304	45.991	48.069	50.146	51.686	53.225	52.065	50.904	50.528
62.5	45.064	44.405	43.746	45.943	48.140	48.914	49.689	48.681	47.673	48.101
65.0	41.512	41.506	41.500	43.817	46.134	46.143	46.152	45.297	44.442	45.674
67.5	39.988	40.436	40.884	42.971	45.058	44.790	44.523	44.280	44.038	45.569
70.0	38.464	39.366	40.268	42.125	43.982	43.438	42.893	43.263	43.633	45.465
72.5	37.827	39.334	40.841	42.203	43.565	43.027	42.489	43.347	44.206	45.509
75.0	37.189	39.301	41.413	42.281	43.148	42.617	42.085	43.432	44.778	45.553
77.5	36.832	39.203	41.575	42.068	42.561	41.881	41.202	43.270	45.338	45.033
80.0	36.474	39.105	41.736	41.855	41.973	41.146	40.318	43.108	45.897	44.513
82.5	36.381	38.903	41.425	41.411	41.398	40.864	40.331	43.032	45.733	44.013
85.0	36.287	38.701	41.114	40.968	40.822	40.583	40.343	42.956	45.568	43.512
87.5	35.382	38.397	41.413	41.004	40.595	40.149	39.703	42.287	44.871	42.624
90.0	34.477	38.094	41.711	41.040	40.368	39.715	39.062	41.618	44.174	41.736
92.5	33.616	36.896	40.175	39.667	39.158	38.465	37.771	40.679	43.587	41.060
95.0	32.755	35.697	38.639	38.294	37.948	37.214	36.480	39.740	42.999	40.384
97.5	32.320	35.143	37.967	37.745	37.522	36.732	35.942	38.845	41.749	39.796
100.0	31.884	34.590	37.295	37.196	37.096	36.250	35.404	37.951	40.498	39.208
102.5	30.833	33.235	35.638	36.110	36.583	35.933	35.283	36.955	38.626	38.370
105.0	29.781	31.881	33.980	35.025	36.070	35.616	35.162	35.958	36.754	37.532
107.5	29.480	31.179	32.879	34.030	35.181	34.426	33.672	34.316	34.960	36.317
110.0	29.178	30.478	31.778	33.035	34.291	33.237	32.182	32.674	33.165	35.103
112.5	28.693	28.877	29.060	31.066	33.072	32.338	31.604	31.685	31.766	33.204
115.0	28.208	27.275	26.342	29.098	31.853	31.439	31.025	30.696	30.366	31.305
117.5	27.309	26.059	24.809	27.001	29.194	29.485	29.775	29.746	29.716	29.819
120.0	26.410	24.843	23.275	24.905	26.535	27.530	28.525	28.796	29.066	28.332
122.5	25.337	23.980	22.622	23.135	23.649	25.214	26.780	27.185	27.589	27.118
125.0	24.264	23.117	21.969	21.366	20.762	22.899	25.035	25.574	26.112	25.904
127.5	23.817	23.036	22.255	21.191	20.128	21.187	22.246	23.477	24.709	24.865
130.0	23.369	22.955	22.541	21.017	19.493	19.475	19.456	21.381	23.306	23.826
132.5	22.962	22.683	22.405	21.254	20.103	19.445	18.788	19.700	20.613	21.422
135.0	22.554	22.411	22.268	21.491	20.713	19.416	18.119	18.020	17.920	19.018
137.5	22.063	21.730	21.397	20.876	20.355	19.578	18.800	18.424	18.048	18.368
140.0	21.571	21.049	20.526	20.262	19.997	19.739	19.481	18.828	18.175	17.718
142.5	20.333	20.067	19.802	19.795	19.789	19.652	19.515	18.977	18.440	17.979
145.0	19.095	19.086	19.077	19.329	19.581	19.565	19.549	19.127	18.704	18.241
147.5	18.228	18.222	18.216	18.304	18.393	18.292	18.190	18.064	17.939	17.911
150.0	17.360	17.357	17.354	17.280	17.205	17.018	16.831	17.002	17.173	17.581

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

152.5	16.368	16.379	16.390	16.379	16.368	16.309	16.250	16.411	16.573	16.806
155.0	15.376	15.401	15.426	15.479	15.531	15.600	15.668	15.821	15.973	16.032
157.5	14.695	14.787	14.879	14.947	15.015	15.070	15.124	15.221	15.317	15.356
160.0	14.014	14.173	14.331	14.415	14.499	14.540	14.580	14.621	14.661	14.680
162.5	12.755	12.938	13.121	13.252	13.383	13.484	13.585	13.678	13.772	13.838
165.0	11.495	11.703	11.911	12.089	12.266	12.428	12.589	12.736	12.882	12.997
167.5	9.573	9.778	9.983	10.188	10.394	10.600	10.807	11.005	11.203	11.370
170.0	7.651	7.853	8.055	8.288	8.521	8.773	9.025	9.274	9.523	9.744
172.5	6.709	6.836	6.964	7.113	7.262	7.433	7.604	7.780	7.956	8.120
175.0	5.766	5.819	5.872	5.937	6.002	6.093	6.183	6.286	6.388	6.497
177.5	5.328	5.354	5.381	5.413	5.446	5.491	5.536	5.587	5.639	5.693
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	83.292	83.261	83.230	83.216	83.202	83.196	83.190	83.191	83.193	83.202
5.0	81.040	80.978	80.916	80.888	80.860	80.848	80.835	80.838	80.841	80.860
7.5	81.585	81.605	81.625	81.658	81.691	81.728	81.765	81.810	81.855	81.911
10.0	82.129	82.232	82.334	82.428	82.521	82.608	82.695	82.782	82.869	82.963
12.5	83.308	83.365	83.423	83.474	83.526	83.580	83.634	83.685	83.737	83.787
15.0	84.486	84.499	84.511	84.521	84.530	84.552	84.573	84.589	84.604	84.611
17.5	84.443	84.447	84.452	84.555	84.658	84.769	84.881	84.883	84.884	84.783
20.0	84.399	84.396	84.393	84.589	84.785	84.987	85.189	85.177	85.164	84.956
22.5	84.567	84.542	84.518	84.659	84.801	84.975	85.149	85.156	85.164	85.040
25.0	84.735	84.689	84.642	84.729	84.816	84.962	85.108	85.136	85.164	85.124
27.5	85.438	85.320	85.202	85.087	84.972	84.830	84.689	84.500	84.312	84.363
30.0	86.141	85.951	85.761	85.444	85.127	84.698	84.269	83.865	83.460	83.603
32.5	86.001	85.457	84.912	84.469	84.026	83.732	83.439	83.299	83.159	83.224
35.0	85.861	84.962	84.063	83.494	82.925	82.767	82.608	82.733	82.857	82.845
37.5	83.473	83.305	83.137	83.600	84.064	84.557	85.050	85.379	85.709	85.832
40.0	81.084	81.647	82.210	83.706	85.202	86.347	87.491	88.026	88.560	88.819
42.5	79.728	80.823	81.918	82.788	83.659	84.076	84.493	84.539	84.586	84.340
45.0	78.372	79.999	81.625	81.871	82.116	81.805	81.494	81.053	80.611	79.862
47.5	74.631	75.217	75.803	75.515	75.228	74.856	74.485	74.464	74.444	73.984
50.0	70.889	70.435	69.981	69.160	68.339	67.907	67.475	67.876	68.277	68.106
52.5	64.564	64.032	63.500	63.163	62.825	63.326	63.827	64.556	65.285	65.671
55.0	58.238	57.629	57.019	57.165	57.311	58.745	60.178	61.236	62.293	63.236
57.5	54.195	54.363	54.531	55.405	56.279	56.759	57.240	57.348	57.457	57.401
60.0	50.152	51.098	52.043	53.645	55.246	54.774	54.301	53.461	52.621	51.567
62.5	48.529	49.762	50.995	51.206	51.418	50.363	49.309	48.665	48.022	47.546
65.0	46.905	48.426	49.947	48.768	47.589	45.953	44.317	43.870	43.422	43.525
67.5	47.101	46.981	46.862	45.691	44.520	43.672	42.825	42.344	41.864	41.890
70.0	47.297	45.537	43.776	42.613	41.450	41.391	41.332	40.819	40.306	40.256
72.5	46.812	44.688	42.564	41.904	41.245	40.788	40.331	40.670	41.009	41.124
75.0	46.327	43.839	41.351	41.196	41.040	40.185	39.329	40.520	41.711	41.991
77.5	44.728	43.089	41.451	41.004	40.558	40.247	39.936	40.842	41.749	41.407
80.0	43.129	42.340	41.550	40.813	40.075	40.309	40.542	41.164	41.786	40.822
82.5	42.293	41.620	40.947	40.141	39.335	40.121	40.906	40.575	40.244	39.628
85.0	41.456	40.900	40.343	39.469	38.595	39.933	41.270	39.986	38.701	38.434
87.5	40.377	39.959	39.541	38.985	38.430	39.511	40.592	39.430	38.269	38.048
90.0	39.298	39.018	38.738	38.502	38.265	39.090	39.914	38.875	37.836	37.662
92.5	38.533	38.239	37.945	37.628	37.311	38.099	38.888	37.846	36.804	36.815
95.0	37.768	37.460	37.152	36.754	36.356	37.109	37.861	36.816	35.771	35.967
97.5	37.843	37.092	36.341	35.852	35.364	35.863	36.362	36.154	35.946	35.482

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

100.0	37.917	36.723	35.529	34.951	34.372	34.618	34.863	35.492	36.120	34.997
102.5	38.113	36.269	34.425	34.078	33.731	33.638	33.545	34.182	34.820	34.346
105.0	38.309	35.815	33.321	33.206	33.090	32.658	32.226	32.873	33.520	33.694
107.5	37.675	35.793	33.912	33.246	32.580	32.279	31.977	32.029	32.080	32.094
110.0	37.040	35.771	34.502	33.286	32.070	31.899	31.728	31.184	30.640	30.494
112.5	34.642	34.557	34.471	33.176	31.881	31.170	30.459	30.295	30.130	30.066
115.0	32.244	33.342	34.440	33.066	31.691	30.441	29.190	29.405	29.620	29.639
117.5	29.921	30.955	31.990	31.829	31.669	30.619	29.570	29.346	29.122	28.702
120.0	27.598	28.569	29.539	30.593	31.647	30.798	29.949	29.287	28.624	27.766
122.5	26.647	26.701	26.756	27.437	28.118	28.320	28.522	28.394	28.267	28.076
125.0	25.695	24.834	23.972	24.280	24.588	25.841	27.094	27.502	27.909	28.385
127.5	25.020	24.387	23.754	23.885	24.016	24.314	24.613	24.905	25.197	25.584
130.0	24.345	23.941	23.536	23.490	23.443	22.787	22.131	22.308	22.485	22.784
132.5	22.230	22.611	22.992	23.034	23.076	22.594	22.112	22.209	22.305	22.488
135.0	20.115	21.282	22.448	22.579	22.709	22.401	22.093	22.109	22.125	22.193
137.5	18.688	19.385	20.082	20.344	20.607	20.765	20.924	21.100	21.276	21.520
140.0	17.260	17.488	17.715	18.110	18.504	19.130	19.755	20.091	20.426	20.846
142.5	17.519	17.240	16.962	16.912	16.862	17.334	17.805	17.629	17.453	17.537
145.0	17.777	16.993	16.209	15.715	15.220	15.538	15.855	15.168	14.480	14.228
147.5	17.883	17.321	16.760	16.211	15.662	15.852	16.042	15.783	15.525	15.258
150.0	17.988	17.649	17.310	16.707	16.104	16.166	16.228	16.399	16.570	16.287
152.5	17.040	16.733	16.427	16.021	15.616	15.766	15.917	16.157	16.396	16.209
155.0	16.091	15.818	15.544	15.336	15.127	15.367	15.606	15.914	16.222	16.132
157.5	15.395	15.228	15.062	14.899	14.735	14.813	14.891	15.065	15.239	15.211
160.0	14.698	14.639	14.580	14.462	14.343	14.259	14.175	14.216	14.256	14.291
162.5	13.905	13.907	13.908	13.861	13.815	13.777	13.740	13.774	13.809	13.840
165.0	13.112	13.174	13.236	13.261	13.286	13.296	13.305	13.333	13.361	13.389
167.5	11.538	11.650	11.762	11.821	11.880	11.901	11.921	11.930	11.940	11.943
170.0	9.964	10.126	10.288	10.381	10.474	10.506	10.537	10.528	10.518	10.496
172.5	8.285	8.424	8.562	8.665	8.767	8.834	8.901	8.941	8.982	9.006
175.0	6.606	6.721	6.836	6.948	7.060	7.163	7.265	7.355	7.445	7.517
177.5	5.748	5.805	5.863	5.919	5.975	6.026	6.077	6.122	6.167	6.203
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	83.212	83.230	83.249	83.277	83.305	83.340	83.376	83.420	83.463	83.511
5.0	80.879	80.916	80.953	81.009	81.065	81.137	81.208	81.295	81.382	81.479
7.5	81.968	82.033	82.098	82.174	82.250	82.331	82.412	82.496	82.580	82.657
10.0	83.056	83.149	83.242	83.339	83.435	83.525	83.615	83.696	83.777	83.836
12.5	83.837	83.883	83.930	83.978	84.026	84.071	84.116	84.157	84.197	84.234
15.0	84.617	84.617	84.617	84.617	84.617	84.617	84.617	84.617	84.617	84.633
17.5	84.682	84.572	84.462	84.462	84.462	84.465	84.468	84.477	84.487	84.508
20.0	84.747	84.527	84.306	84.306	84.306	84.312	84.318	84.337	84.356	84.384
22.5	84.915	84.803	84.692	84.689	84.686	84.682	84.679	84.671	84.664	84.639
25.0	85.083	85.080	85.077	85.071	85.065	85.053	85.040	85.006	84.971	84.894
27.5	84.415	84.572	84.729	84.661	84.592	84.556	84.521	84.587	84.654	84.701
30.0	83.746	84.064	84.381	84.250	84.119	84.060	84.001	84.169	84.337	84.508
32.5	83.289	83.138	82.988	82.899	82.810	82.759	82.708	82.801	82.894	82.948
35.0	82.832	82.213	81.594	81.548	81.501	81.458	81.414	81.433	81.451	81.389
37.5	85.955	85.626	85.298	84.937	84.577	84.449	84.322	84.093	83.865	83.157
40.0	89.077	89.040	89.002	88.327	87.652	87.441	87.229	86.754	86.278	84.925
42.5	84.095	84.326	84.558	83.952	83.345	83.712	84.079	83.928	83.778	83.498
45.0	79.112	79.613	80.114	79.576	79.038	79.983	80.928	81.103	81.277	82.070

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

47.5	73.524	74.407	75.290	74.664	74.037	74.478	74.920	75.023	75.126	75.844
50.0	67.935	69.201	70.466	69.751	69.036	68.974	68.911	68.943	68.974	69.618
52.5	66.057	66.615	67.173	66.823	66.473	66.299	66.125	65.848	65.572	65.248
55.0	64.178	64.029	63.879	63.895	63.910	63.624	63.338	62.754	62.169	60.879
57.5	57.345	57.134	56.922	57.045	57.168	57.258	57.349	57.638	57.927	57.770
60.0	50.513	50.239	49.965	50.196	50.426	50.893	51.359	52.522	53.685	54.662
62.5	47.070	46.801	46.532	46.589	46.647	46.955	47.263	47.885	48.507	49.634
65.0	43.627	43.363	43.098	42.983	42.868	43.018	43.167	43.248	43.329	44.607
67.5	41.917	41.993	42.069	41.679	41.288	41.433	41.578	41.596	41.615	42.444
70.0	40.206	40.623	41.040	40.374	39.708	39.848	39.988	39.945	39.901	40.281
72.5	41.239	41.343	41.447	40.925	40.402	40.261	40.119	39.796	39.472	39.730
75.0	42.271	42.063	41.854	41.475	41.096	40.673	40.250	39.647	39.043	39.180
77.5	41.065	40.760	40.455	40.086	39.718	39.958	40.197	39.609	39.021	38.897
80.0	39.858	39.457	39.055	38.698	38.340	39.242	40.144	39.572	38.999	38.614
82.5	39.012	39.015	39.018	38.690	38.362	38.735	39.109	39.096	39.083	38.180
85.0	38.166	38.574	38.981	38.683	38.384	38.229	38.073	38.620	39.167	37.746
87.5	37.827	38.034	38.241	38.143	38.045	37.638	37.230	38.082	38.934	37.608
90.0	37.488	37.494	37.500	37.603	37.706	37.047	36.387	37.544	38.701	37.470
92.5	36.826	36.894	36.962	36.766	36.571	36.236	35.902	36.770	37.638	36.617
95.0	36.163	36.294	36.424	35.930	35.435	35.426	35.417	35.996	36.574	35.765
97.5	35.019	34.813	34.608	34.628	34.649	34.834	35.019	35.044	35.069	34.499
100.0	33.874	33.333	32.792	33.327	33.862	34.242	34.621	34.092	33.563	33.234
102.5	33.871	33.667	33.464	33.703	33.943	33.635	33.327	33.035	32.742	32.635
105.0	33.868	34.002	34.135	34.079	34.023	33.028	32.033	31.977	31.921	32.036
107.5	32.108	32.255	32.403	32.251	32.098	31.703	31.309	31.254	31.200	31.427
110.0	30.347	30.509	30.671	30.422	30.173	30.379	30.584	30.531	30.478	30.817
112.5	30.002	29.943	29.884	29.707	29.530	29.424	29.318	29.502	29.685	30.293
115.0	29.657	29.377	29.097	28.992	28.886	28.469	28.052	28.472	28.892	29.769
117.5	28.283	28.129	27.975	27.911	27.847	27.850	27.853	28.670	29.486	29.912
120.0	26.908	26.880	26.852	26.830	26.808	27.231	27.654	28.867	30.080	30.055
122.5	27.885	27.796	27.707	27.668	27.629	27.740	27.850	27.962	28.074	27.446
125.0	28.861	28.712	28.562	28.506	28.450	28.248	28.046	27.057	26.068	24.837
127.5	25.972	25.908	25.844	25.752	25.661	25.373	25.086	24.703	24.320	23.569
130.0	23.082	23.104	23.126	22.999	22.871	22.498	22.125	22.349	22.572	22.302
132.5	22.672	22.460	22.249	22.187	22.125	21.941	21.758	22.011	22.265	22.045
135.0	22.261	21.817	21.372	21.375	21.378	21.385	21.391	21.674	21.957	21.789
137.5	21.764	21.596	21.428	21.391	21.353	21.178	21.002	20.817	20.632	20.209
140.0	21.266	21.375	21.484	21.406	21.328	20.971	20.613	19.960	19.307	18.629
142.5	17.621	17.994	18.368	18.378	18.389	17.954	17.519	17.032	16.546	16.577
145.0	13.976	14.614	15.251	15.351	15.450	14.937	14.424	14.104	13.784	14.524
147.5	14.990	15.146	15.301	15.304	15.307	15.136	14.965	15.018	15.072	15.634
150.0	16.004	15.678	15.351	15.258	15.164	15.335	15.506	15.933	16.359	16.745
152.5	16.023	15.712	15.401	15.292	15.183	15.300	15.416	15.695	15.973	16.227
155.0	16.041	15.746	15.450	15.326	15.202	15.264	15.326	15.457	15.587	15.709
157.5	15.183	15.038	14.894	14.829	14.764	14.784	14.804	14.860	14.916	15.006
160.0	14.325	14.331	14.337	14.331	14.325	14.303	14.281	14.263	14.244	14.303
162.5	13.871	13.880	13.889	13.878	13.868	13.840	13.812	13.781	13.750	13.765
165.0	13.417	13.429	13.441	13.426	13.410	13.376	13.342	13.299	13.255	13.227
167.5	11.946	11.944	11.942	11.941	11.939	11.938	11.936	11.932	11.927	11.921
170.0	10.474	10.459	10.443	10.456	10.468	10.499	10.530	10.565	10.599	10.615
172.5	9.031	9.048	9.066	9.081	9.097	9.108	9.119	9.117	9.116	9.091
175.0	7.588	7.638	7.688	7.707	7.725	7.716	7.707	7.670	7.632	7.567
177.5	6.239	6.264	6.289	6.298	6.307	6.303	6.298	6.279	6.261	6.228
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	83.560	83.611	83.663	83.731	83.799	83.872	83.946	84.031	84.117	84.211
5.0	81.575	81.678	81.781	81.918	82.054	82.201	82.347	82.518	82.689	82.879
7.5	82.735	82.799	82.863	82.921	82.978	83.005	83.031	82.998	82.966	82.936
10.0	83.895	83.920	83.945	83.924	83.902	83.809	83.715	83.479	83.242	82.994
12.5	84.272	84.351	84.430	84.499	84.568	84.572	84.577	84.441	84.306	84.068
15.0	84.648	84.782	84.915	85.074	85.233	85.336	85.438	85.404	85.369	85.142
17.5	84.530	84.643	84.757	84.945	85.134	85.331	85.528	85.626	85.724	85.637
20.0	84.412	84.505	84.598	84.816	85.034	85.326	85.618	85.849	86.079	86.132
22.5	84.614	84.661	84.707	84.867	85.028	85.191	85.354	85.496	85.637	85.760
25.0	84.816	84.816	84.816	84.919	85.021	85.056	85.090	85.143	85.195	85.388
27.5	84.748	84.884	85.021	85.216	85.410	85.351	85.292	85.208	85.124	85.214
30.0	84.679	84.953	85.226	85.513	85.799	85.647	85.494	85.273	85.052	85.040
32.5	83.003	83.144	83.286	83.827	84.368	84.617	84.866	84.908	84.950	85.049
35.0	81.326	81.336	81.345	82.141	82.937	83.587	84.237	84.542	84.847	85.059
37.5	82.449	81.407	80.366	80.675	80.984	81.780	82.577	83.350	84.123	84.779
40.0	83.572	81.479	79.386	79.209	79.031	79.974	80.916	82.157	83.398	84.499
42.5	83.218	82.212	81.206	80.358	79.510	78.835	78.161	78.910	79.660	81.121
45.0	82.863	82.944	83.025	81.507	79.989	77.697	75.405	75.663	75.921	77.744
47.5	76.562	77.033	77.505	77.279	77.054	75.499	73.944	72.920	71.897	72.707
50.0	70.261	71.123	71.984	73.051	74.118	73.300	72.482	70.178	67.873	67.671
52.5	64.925	64.948	64.971	66.142	67.313	67.487	67.662	66.122	64.583	63.457
55.0	59.588	58.773	57.958	59.233	60.508	61.675	62.841	62.067	61.292	59.243
57.5	57.613	56.005	54.397	54.677	54.957	55.778	56.599	56.655	56.711	54.859
60.0	55.638	53.237	50.836	50.121	49.405	49.881	50.357	51.244	52.130	50.476
62.5	50.762	50.105	49.449	48.479	47.508	47.112	46.715	47.480	48.246	47.552
65.0	45.885	46.974	48.062	46.837	45.611	44.342	43.073	43.717	44.361	44.629
67.5	43.273	44.405	45.537	45.563	45.590	43.728	41.867	42.047	42.228	42.781
70.0	40.660	41.836	43.011	44.290	45.568	43.114	40.660	40.377	40.094	40.934
72.5	39.989	40.609	41.229	42.812	44.396	42.663	40.931	40.192	39.454	40.169
75.0	39.317	39.382	39.447	41.335	43.223	42.212	41.201	40.007	38.813	39.404
77.5	38.773	39.006	39.239	40.506	41.774	42.019	42.265	40.331	38.396	39.065
80.0	38.228	38.629	39.030	39.677	40.324	41.827	43.329	40.654	37.979	38.726
82.5	37.277	37.771	38.265	38.842	39.419	41.273	43.127	40.248	37.370	38.013
85.0	36.325	36.913	37.500	38.007	38.514	40.719	42.924	39.842	36.760	37.301
87.5	36.282	36.541	36.801	37.245	37.690	40.002	42.315	39.422	36.530	36.864
90.0	36.238	36.170	36.101	36.484	36.866	39.286	41.705	39.003	36.300	36.428
92.5	35.597	35.524	35.451	35.975	36.499	38.786	41.074	38.178	35.283	35.728
95.0	34.956	34.879	34.801	35.467	36.132	38.287	40.442	37.354	34.266	35.028
97.5	33.930	34.201	34.472	35.176	35.880	37.584	39.289	36.617	33.946	34.476
100.0	32.904	33.523	34.142	34.885	35.628	36.882	38.135	35.880	33.625	33.924
102.5	32.528	33.067	33.607	34.674	35.740	36.076	36.412	34.359	32.307	32.849
105.0	32.151	32.612	33.072	34.462	35.852	35.271	34.689	32.839	30.988	31.775
107.5	31.654	32.134	32.615	33.896	35.177	34.013	32.848	31.845	30.842	31.295
110.0	31.156	31.657	32.157	33.330	34.502	32.755	31.007	30.852	30.696	30.814
112.5	30.901	31.966	33.031	32.841	32.652	31.276	29.900	29.939	29.978	30.121
115.0	30.646	32.276	33.905	32.353	30.801	29.797	28.792	29.026	29.259	29.427
117.5	30.338	30.539	30.739	29.609	28.478	27.993	27.508	27.780	28.053	27.567
120.0	30.030	28.802	27.573	26.864	26.155	26.190	26.224	26.535	26.846	25.708
122.5	26.818	26.304	25.791	25.362	24.933	25.110	25.288	25.182	25.076	23.392
125.0	23.605	23.807	24.009	23.860	23.711	24.031	24.351	23.829	23.306	21.077
127.5	22.818	23.056	23.294	23.276	23.257	23.094	22.930	21.821	20.713	19.654
130.0	22.031	22.305	22.579	22.691	22.803	22.156	21.509	19.814	18.119	18.231

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

132.5	21.826	22.087	22.349	21.773	21.198	20.068	18.937	18.080	17.223	17.791
135.0	21.621	21.870	22.118	20.856	19.593	17.979	16.365	16.346	16.327	17.351
137.5	19.786	19.487	19.189	18.337	17.485	16.981	16.477	16.858	17.239	18.019
140.0	17.951	17.105	16.259	15.818	15.376	15.983	16.589	17.370	18.150	18.688
142.5	16.608	16.421	16.234	16.096	15.958	16.433	16.909	17.519	18.128	18.500
145.0	15.264	15.737	16.209	16.374	16.539	16.884	17.229	17.668	18.106	18.312
147.5	16.197	16.466	16.735	16.730	16.726	16.864	17.002	17.365	17.727	17.901
150.0	17.130	17.195	17.260	17.086	16.912	16.844	16.775	17.062	17.348	17.491
152.5	16.480	16.536	16.592	16.488	16.384	16.366	16.349	16.567	16.785	16.825
155.0	15.830	15.877	15.923	15.889	15.855	15.889	15.923	16.073	16.222	16.160
157.5	15.096	15.150	15.205	15.205	15.205	15.233	15.261	15.345	15.429	15.368
160.0	14.362	14.424	14.486	14.521	14.555	14.577	14.598	14.617	14.636	14.577
162.5	13.781	13.798	13.815	13.813	13.812	13.787	13.762	13.712	13.663	13.536
165.0	13.199	13.171	13.143	13.106	13.068	12.997	12.925	12.807	12.689	12.496
167.5	11.915	11.887	11.859	11.796	11.734	11.619	11.504	11.338	11.171	10.944
170.0	10.630	10.602	10.574	10.487	10.400	10.242	10.083	9.868	9.653	9.392
172.5	9.066	9.008	8.951	8.850	8.749	8.601	8.453	8.271	8.089	7.879
175.0	7.501	7.414	7.327	7.212	7.097	6.960	6.823	6.674	6.525	6.367
177.5	6.195	6.152	6.108	6.051	5.993	5.925	5.856	5.782	5.707	5.628
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	84.306	84.413	84.521	84.636	84.751	84.872	84.994	85.116	85.239	85.356
5.0	83.068	83.283	83.497	83.728	83.958	84.201	84.443	84.689	84.934	85.168
7.5	82.907	82.914	82.922	82.967	83.013	83.128	83.243	83.505	83.768	84.099
10.0	82.745	82.546	82.347	82.207	82.067	82.055	82.042	82.322	82.602	83.031
12.5	83.830	83.527	83.224	82.927	82.630	82.448	82.266	82.282	82.297	82.516
15.0	84.915	84.508	84.101	83.647	83.192	82.841	82.490	82.241	81.992	82.002
17.5	85.550	85.286	85.022	84.685	84.349	83.978	83.607	83.131	82.655	82.280
20.0	86.184	86.063	85.942	85.724	85.506	85.115	84.723	84.020	83.317	82.558
22.5	85.883	85.931	85.979	85.979	85.979	85.838	85.696	85.199	84.701	83.872
25.0	85.581	85.799	86.016	86.234	86.452	86.561	86.669	86.377	86.085	85.186
27.5	85.304	85.492	85.681	85.883	86.085	86.306	86.526	86.469	86.412	85.653
30.0	85.027	85.186	85.345	85.532	85.718	86.051	86.383	86.561	86.738	86.119
32.5	85.149	85.091	85.034	84.984	84.934	85.383	85.833	86.223	86.614	86.191
35.0	85.270	84.997	84.723	84.437	84.150	84.716	85.282	85.886	86.489	86.262
37.5	85.435	85.365	85.295	84.989	84.682	85.004	85.326	85.987	86.648	86.785
40.0	85.600	85.734	85.867	85.541	85.214	85.292	85.369	86.088	86.806	87.307
42.5	82.583	83.294	84.004	84.178	84.353	84.384	84.415	85.181	85.948	86.684
45.0	79.566	80.854	82.141	82.816	83.491	83.476	83.460	84.275	85.090	86.060
47.5	73.517	75.259	77.001	78.052	79.103	79.341	79.579	80.224	80.870	81.862
50.0	67.468	69.664	71.860	73.288	74.715	75.206	75.697	76.173	76.649	77.663
52.5	62.331	63.726	65.121	66.615	68.109	68.778	69.446	69.959	70.473	71.190
55.0	57.193	57.787	58.381	59.942	61.503	62.349	63.195	63.746	64.296	64.716
57.5	53.007	52.495	51.984	53.557	55.131	56.047	56.963	57.634	58.306	58.619
60.0	48.821	47.204	45.586	47.173	48.759	49.745	50.730	51.523	52.316	52.522
62.5	46.859	44.478	42.097	43.069	44.041	45.473	46.905	47.326	47.748	47.913
65.0	44.896	41.752	38.608	38.966	39.323	41.202	43.080	43.130	43.179	43.304
67.5	43.335	40.507	37.678	37.421	37.165	38.908	40.651	40.831	41.012	41.071
70.0	41.774	39.261	36.748	35.877	35.006	36.614	38.222	38.533	38.844	38.838
72.5	40.885	39.183	37.482	35.840	34.198	35.922	37.647	38.056	38.465	38.172
75.0	39.995	39.106	38.216	35.803	33.389	35.230	37.071	37.578	38.085	37.507
77.5	39.734	39.239	38.745	35.899	33.053	34.711	36.368	37.007	37.647	37.221

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

80.0	39.472	39.373	39.273	35.995	32.717	34.191	35.665	36.437	37.208	36.935
82.5	38.657	38.733	38.810	35.784	32.758	33.977	35.196	36.056	36.916	36.868
85.0	37.842	38.094	38.346	35.572	32.798	33.762	34.726	35.675	36.623	36.801
87.5	37.199	37.561	37.923	34.925	31.927	32.924	33.921	34.941	35.961	36.076
90.0	36.555	37.028	37.500	34.278	31.056	32.086	33.115	34.207	35.299	35.352
92.5	36.173	36.571	36.969	34.011	31.053	32.215	33.377	34.086	34.795	34.716
95.0	35.790	36.114	36.437	33.744	31.050	32.344	33.638	33.965	34.291	34.080
97.5	35.006	35.059	35.112	32.518	29.925	31.515	33.106	33.599	34.092	33.991
100.0	34.222	34.005	33.787	31.293	28.799	30.687	32.574	33.234	33.893	33.902
102.5	33.392	33.008	32.624	30.483	28.342	30.019	31.697	32.335	32.973	32.887
105.0	32.562	32.012	31.461	29.673	27.884	29.352	30.820	31.436	32.052	31.872
107.5	31.747	30.861	29.975	28.590	27.206	28.590	29.974	30.433	30.892	30.890
110.0	30.932	29.710	28.488	27.508	26.528	27.828	29.128	29.430	29.732	29.909
112.5	30.264	28.412	26.560	26.385	26.211	27.225	28.239	28.394	28.550	28.589
115.0	29.595	27.113	24.631	25.263	25.894	26.622	27.349	27.359	27.368	27.269
117.5	27.082	24.877	22.672	23.759	24.846	25.648	26.451	26.434	26.417	26.309
120.0	24.569	22.641	20.713	22.256	23.798	24.675	25.552	25.509	25.465	25.350
122.5	21.708	21.011	20.315	21.697	23.080	23.730	24.380	24.260	24.140	23.866
125.0	18.847	19.382	19.916	21.139	22.361	22.784	23.207	23.011	22.815	22.383
127.5	18.595	19.573	20.551	21.224	21.898	22.014	22.131	22.061	21.991	21.826
130.0	18.343	19.764	21.185	21.310	21.434	21.245	21.055	21.111	21.167	21.270
132.5	18.359	19.529	20.700	20.829	20.958	20.846	20.735	20.774	20.813	21.007
135.0	18.374	19.295	20.215	20.349	20.482	20.448	20.414	20.436	20.458	20.744
137.5	18.800	19.323	19.845	19.867	19.888	19.926	19.963	20.039	20.116	20.170
140.0	19.226	19.351	19.475	19.385	19.294	19.403	19.512	19.643	19.773	19.596
142.5	18.872	18.990	19.108	18.966	18.825	18.672	18.520	18.596	18.672	18.551
145.0	18.517	18.629	18.741	18.548	18.355	17.942	17.528	17.550	17.571	17.506
147.5	18.076	18.136	18.197	18.237	18.278	17.974	17.671	17.363	17.055	16.677
150.0	17.634	17.643	17.652	17.926	18.200	18.007	17.814	17.177	16.539	15.849
152.5	16.866	16.746	16.626	16.729	16.832	16.693	16.555	15.953	15.351	14.480
155.0	16.097	15.849	15.600	15.532	15.463	15.379	15.295	14.729	14.163	13.112
157.5	15.307	15.097	14.888	14.698	14.508	14.266	14.023	13.459	12.894	12.069
160.0	14.517	14.346	14.175	13.864	13.553	13.152	12.751	12.188	11.625	11.025
162.5	13.410	13.171	12.931	12.564	12.197	11.760	11.324	10.824	10.325	9.877
165.0	12.303	11.995	11.687	11.264	10.841	10.369	9.896	9.461	9.025	8.730
167.5	10.717	10.443	10.170	9.832	9.495	9.170	8.845	8.610	8.375	8.263
170.0	9.131	8.892	8.652	8.400	8.148	7.971	7.794	7.760	7.725	7.797
172.5	7.670	7.470	7.271	7.086	6.901	6.777	6.653	6.572	6.491	6.469
175.0	6.208	6.049	5.890	5.772	5.654	5.583	5.511	5.384	5.256	5.141
177.5	5.549	5.469	5.390	5.331	5.272	5.236	5.200	5.136	5.073	5.015
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

Vert. 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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	85.473	85.581	85.690	85.780	85.871	85.936	86.001	86.035	86.070	86.057
5.0	85.401	85.619	85.836	86.017	86.197	86.328	86.458	86.527	86.595	86.570
7.5	84.431	84.794	85.158	85.497	85.836	86.093	86.349	86.472	86.595	86.519
10.0	83.460	83.970	84.480	84.978	85.475	85.858	86.240	86.418	86.595	86.468
12.5	82.736	83.210	83.684	84.222	84.760	85.219	85.677	85.873	86.070	85.849
15.0	82.011	82.450	82.888	83.467	84.045	84.580	85.114	85.329	85.544	85.230
17.5	81.905	81.922	81.940	82.478	83.016	83.748	84.480	84.872	85.264	84.920
20.0	81.799	81.395	80.991	81.489	81.986	82.916	83.846	84.415	84.984	84.611
22.5	83.043	82.373	81.703	81.913	82.123	82.998	83.874	84.429	84.984	84.486
25.0	84.287	83.351	82.415	82.337	82.259	83.081	83.902	84.443	84.984	84.362

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

27.5	84.894	83.723	82.552	82.089	81.625	82.404	83.184	83.821	84.459	83.762
30.0	85.500	84.095	82.689	81.840	80.991	81.728	82.465	83.199	83.933	83.162
32.5	85.768	84.578	83.389	82.456	81.523	82.196	82.869	83.664	84.459	83.581
35.0	86.035	85.062	84.088	83.071	82.054	82.664	83.273	84.129	84.984	84.001
37.5	86.922	86.043	85.164	83.811	82.459	83.015	83.572	84.681	85.790	84.555
40.0	87.808	87.024	86.240	84.552	82.863	83.367	83.870	85.233	86.595	85.109
42.5	87.419	87.209	86.999	85.651	84.303	84.606	84.909	86.233	87.556	86.306
45.0	87.030	87.394	87.758	86.751	85.743	85.846	85.948	87.233	88.517	87.503
47.5	82.854	83.457	84.060	82.847	81.635	81.619	81.604	83.435	85.267	83.933
50.0	78.677	79.520	80.362	78.944	77.526	77.393	77.259	79.638	82.017	80.363
52.5	71.907	72.499	73.091	72.017	70.942	70.704	70.467	72.451	74.435	72.945
55.0	65.136	65.478	65.820	65.089	64.358	64.016	63.674	65.264	66.853	65.528
57.5	58.932	59.334	59.737	59.006	58.275	57.802	57.330	58.841	60.353	58.647
60.0	52.727	53.191	53.654	52.923	52.192	51.589	50.985	52.419	53.853	51.766
62.5	48.078	48.532	48.986	48.258	47.530	46.902	46.274	47.432	48.591	47.075
65.0	43.428	43.873	44.317	43.593	42.868	42.215	41.562	42.446	43.329	42.384
67.5	41.130	41.430	41.730	41.033	40.337	39.391	38.446	39.263	40.079	39.221
70.0	38.831	38.987	39.142	38.474	37.805	36.568	35.330	36.080	36.829	36.058
72.5	37.880	38.004	38.129	37.685	37.242	35.919	34.596	35.372	36.148	35.636
75.0	36.928	37.022	37.115	36.897	36.679	35.271	33.862	34.664	35.466	35.215
77.5	36.795	36.952	37.109	36.871	36.633	35.247	33.862	34.664	35.466	35.213
80.0	36.661	36.882	37.102	36.844	36.586	35.224	33.862	34.664	35.466	35.211
82.5	36.820	36.883	36.947	36.448	35.949	34.768	33.588	34.589	35.591	34.799
85.0	36.978	36.885	36.791	36.051	35.311	34.313	33.314	34.515	35.715	34.387
87.5	36.191	36.491	36.791	35.987	35.184	34.106	33.028	34.774	36.521	34.928
90.0	35.404	36.098	36.791	35.924	35.056	33.899	32.742	35.034	37.326	35.470
92.5	34.636	35.299	35.961	35.160	34.360	33.349	32.338	34.429	36.521	34.989
95.0	33.868	34.500	35.131	34.397	33.663	32.798	31.933	33.824	35.715	34.509
97.5	33.890	34.092	34.294	33.630	32.966	32.042	31.119	33.013	34.907	33.697
100.0	33.911	33.684	33.457	32.863	32.269	31.287	30.304	32.201	34.098	32.885
102.5	32.801	32.801	32.801	32.471	32.142	30.868	29.595	31.106	32.618	31.790
105.0	31.691	31.918	32.145	32.080	32.014	30.450	28.886	30.012	31.137	30.696
107.5	30.889	31.064	31.240	30.665	30.089	28.965	27.841	29.149	30.456	29.561
110.0	30.086	30.211	30.335	29.250	28.164	27.480	26.796	28.286	29.775	28.426
112.5	28.628	28.696	28.765	28.018	27.272	26.413	25.555	27.121	28.687	27.858
115.0	27.169	27.182	27.194	26.787	26.379	25.347	24.314	25.956	27.598	27.290
117.5	26.202	26.172	26.143	25.575	25.008	24.190	23.372	24.745	26.118	25.521
120.0	25.235	25.163	25.091	24.364	23.636	23.033	22.429	23.533	24.637	23.751
122.5	23.593	23.594	23.596	22.991	22.386	21.832	21.279	22.151	23.023	22.373
125.0	21.950	22.025	22.100	21.618	21.136	20.632	20.128	20.769	21.409	20.996
127.5	21.661	21.635	21.609	20.861	20.113	19.537	18.962	19.769	20.576	20.000
130.0	21.372	21.245	21.117	20.103	19.089	18.442	17.795	18.769	19.742	19.005
132.5	21.201	21.058	20.915	19.700	18.486	17.198	15.911	15.937	15.964	16.160
135.0	21.030	20.872	20.713	19.298	17.882	15.954	14.026	13.106	12.185	13.314
137.5	20.225	19.971	19.718	18.119	16.520	14.395	12.269	11.148	10.027	11.193
140.0	19.419	19.071	18.722	16.940	15.158	12.835	10.512	9.190	7.868	9.072
142.5	18.430	17.746	17.062	15.388	13.715	11.986	10.257	9.465	8.674	9.594
145.0	17.441	16.421	15.401	13.837	12.272	11.137	10.002	9.741	9.479	10.117
147.5	16.300	15.304	14.309	13.009	11.709	10.793	9.878	9.615	9.352	9.772
150.0	15.158	14.188	13.217	12.182	11.146	10.450	9.753	9.489	9.224	9.427
152.5	13.610	12.634	11.659	10.933	10.207	10.019	9.831	9.929	10.027	10.193
155.0	12.061	11.081	10.101	9.685	9.268	9.588	9.908	10.369	10.829	10.960
157.5	11.243	10.551	9.859	9.739	9.620	9.887	10.154	10.492	10.829	10.910
160.0	10.425	10.021	9.616	9.794	9.971	10.186	10.400	10.615	10.829	10.860
162.5	9.430	9.187	8.945	9.092	9.240	9.441	9.641	9.834	10.027	10.076
165.0	8.434	8.354	8.273	8.391	8.509	8.696	8.882	9.053	9.224	9.293

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

167.5	8.151	8.184	8.217	8.363	8.509	8.675	8.842	8.955	9.069	9.064
170.0	7.868	8.015	8.161	8.335	8.509	8.655	8.801	8.857	8.913	8.836
172.5	6.447	6.475	6.503	6.556	6.609	6.665	6.721	6.747	6.774	6.757
175.0	5.026	4.936	4.845	4.777	4.709	4.675	4.640	4.637	4.634	4.678
177.5	4.958	4.912	4.867	4.833	4.799	4.782	4.765	4.763	4.762	4.783
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	86.045	85.998	85.951	85.878	85.805	85.709	85.612	85.500	85.389	85.264
5.0	86.545	86.452	86.358	86.212	86.066	85.873	85.680	85.457	85.233	84.984
7.5	86.443	86.233	86.023	85.735	85.447	85.131	84.816	84.527	84.238	83.956
10.0	86.340	86.014	85.687	85.258	84.828	84.390	83.951	83.597	83.242	82.928
12.5	85.628	85.167	84.707	84.211	83.715	83.376	83.037	82.972	82.906	82.992
15.0	84.915	84.321	83.727	83.165	82.602	82.363	82.123	82.347	82.570	83.056
17.5	84.576	83.889	83.202	82.704	82.207	82.275	82.344	82.874	83.404	84.021
20.0	84.237	83.457	82.676	82.244	81.812	82.188	82.564	83.401	84.237	84.987
22.5	83.989	83.171	82.353	82.199	82.045	82.711	83.376	84.197	85.018	85.509
25.0	83.740	82.885	82.029	82.154	82.278	83.233	84.188	84.994	85.799	86.032
27.5	83.065	82.281	81.498	82.033	82.568	83.732	84.897	85.434	85.970	86.048
30.0	82.390	81.678	80.966	81.912	82.857	84.232	85.606	85.874	86.141	86.063
32.5	82.704	82.070	81.436	82.512	83.588	84.763	85.939	86.054	86.169	86.031
35.0	83.018	82.462	81.905	83.112	84.318	85.295	86.271	86.234	86.197	85.998
37.5	83.320	82.849	82.378	83.850	85.323	86.120	86.918	86.673	86.427	86.101
40.0	83.622	83.236	82.850	84.589	86.327	86.946	87.565	87.111	86.657	86.203
42.5	85.056	84.712	84.368	85.642	86.915	87.125	87.335	86.665	85.995	85.491
45.0	86.489	86.188	85.886	86.695	87.503	87.304	87.105	86.219	85.332	84.779
47.5	82.599	82.491	82.384	83.252	84.120	83.563	83.006	82.082	81.159	80.597
50.0	78.708	78.795	78.882	79.809	80.736	79.822	78.907	77.946	76.985	76.416
52.5	71.456	71.749	72.043	72.969	73.894	73.104	72.314	71.533	70.753	70.333
55.0	64.203	64.704	65.204	66.128	67.052	66.387	65.721	65.121	64.520	64.250
57.5	56.941	57.683	58.424	59.393	60.362	59.734	59.106	58.541	57.977	57.818
60.0	49.679	50.662	51.645	52.659	53.672	53.082	52.491	51.962	51.433	51.387
62.5	45.559	46.750	47.941	48.557	49.172	48.592	48.013	47.782	47.552	47.470
65.0	41.438	42.838	44.237	44.455	44.672	44.103	43.534	43.603	43.671	43.553
67.5	38.362	39.925	41.488	41.741	41.995	41.572	41.149	41.447	41.746	41.416
70.0	35.286	37.012	38.738	39.028	39.317	39.040	38.763	39.292	39.820	39.279
72.5	35.125	36.379	37.634	38.152	38.670	38.654	38.639	38.898	39.158	38.625
75.0	34.963	35.747	36.530	37.277	38.023	38.269	38.514	38.505	38.496	37.970
77.5	34.960	35.756	36.552	37.320	38.088	37.912	37.737	37.791	37.846	37.364
80.0	34.956	35.765	36.574	37.364	38.153	37.556	36.959	37.078	37.196	36.758
82.5	34.008	35.187	36.366	37.060	37.755	37.339	36.922	36.890	36.857	36.193
85.0	33.059	34.608	36.157	36.757	37.357	37.121	36.885	36.702	36.518	35.629
87.5	33.336	35.092	36.848	37.171	37.494	37.591	37.687	37.474	37.261	36.306
90.0	33.613	35.576	37.538	37.585	37.631	38.060	38.489	38.247	38.004	36.984
92.5	33.458	34.933	36.409	36.936	37.463	37.567	37.672	37.455	37.239	36.238
95.0	33.302	34.291	35.280	36.288	37.295	37.075	36.854	36.664	36.474	35.492
97.5	32.487	33.787	35.087	35.774	36.462	36.258	36.055	36.019	35.983	35.033
100.0	31.672	33.283	34.894	35.261	35.628	35.442	35.255	35.373	35.491	34.574
102.5	30.963	32.223	33.482	33.967	34.453	34.423	34.394	34.453	34.512	33.672
105.0	30.254	31.162	32.070	32.674	33.277	33.405	33.532	33.532	33.532	32.770
107.5	28.665	29.735	30.805	31.462	32.120	32.038	31.955	32.316	32.677	32.192
110.0	27.076	28.308	29.539	30.251	30.963	30.671	30.378	31.100	31.822	31.614
112.5	27.029	27.847	28.665	29.281	29.897	29.887	29.878	30.299	30.721	30.457

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

115.0	26.982	27.387	27.791	28.311	28.830	29.104	29.377	29.499	29.620	29.300
117.5	24.924	25.606	26.289	27.009	27.729	27.849	27.968	27.928	27.888	27.752
120.0	22.865	23.826	24.787	25.708	26.628	26.594	26.559	26.357	26.155	26.205
122.5	21.724	22.602	23.481	24.364	25.247	25.112	24.976	24.779	24.582	24.838
125.0	20.582	21.378	22.174	23.020	23.866	23.630	23.393	23.201	23.008	23.472
127.5	19.425	20.196	20.968	22.031	23.095	22.971	22.846	22.745	22.644	22.971
130.0	18.268	19.015	19.761	21.043	22.324	22.312	22.299	22.290	22.280	22.470
132.5	16.356	17.730	19.105	20.369	21.634	21.745	21.857	21.824	21.792	21.835
135.0	14.443	16.446	18.449	19.696	20.943	21.179	21.415	21.359	21.303	21.201
137.5	12.359	14.555	16.751	18.411	20.072	20.644	21.216	21.073	20.930	20.601
140.0	10.275	12.664	15.052	17.127	19.201	20.109	21.017	20.787	20.557	20.001
142.5	10.515	12.356	14.197	15.965	17.733	18.654	19.574	19.641	19.708	19.612
145.0	10.754	12.048	13.342	14.804	16.265	17.198	18.131	18.495	18.859	19.223
147.5	10.192	11.168	12.145	13.389	14.633	15.595	16.558	17.066	17.575	17.962
150.0	9.629	10.288	10.947	11.974	13.000	13.992	14.984	15.637	16.290	16.701
152.5	10.360	10.706	11.053	11.705	12.356	13.109	13.862	14.476	15.090	15.592
155.0	11.090	11.125	11.159	11.436	11.712	12.226	12.739	13.314	13.889	14.483
157.5	10.991	10.958	10.926	11.045	11.165	11.496	11.828	12.272	12.717	13.236
160.0	10.891	10.792	10.692	10.655	10.618	10.767	10.916	11.230	11.544	11.989
162.5	10.126	10.073	10.021	9.988	9.956	10.041	10.126	10.362	10.599	10.980
165.0	9.361	9.355	9.349	9.321	9.293	9.315	9.336	9.495	9.653	9.971
167.5	9.060	8.974	8.889	8.784	8.680	8.626	8.571	8.644	8.717	8.932
170.0	8.758	8.593	8.428	8.248	8.067	7.937	7.806	7.794	7.781	7.893
172.5	6.740	6.688	6.637	6.584	6.531	6.516	6.500	6.547	6.593	6.710
175.0	4.721	4.783	4.845	4.920	4.995	5.095	5.194	5.300	5.405	5.527
177.5	4.805	4.836	4.867	4.905	4.942	4.992	5.042	5.094	5.147	5.208
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	85.140	85.011	84.882	84.751	84.620	84.493	84.365	84.245	84.126	84.014
5.0	84.735	84.477	84.219	83.958	83.696	83.441	83.186	82.947	82.707	82.483
7.5	83.675	83.513	83.351	83.278	83.205	83.132	83.059	82.993	82.928	82.871
10.0	82.614	82.549	82.483	82.599	82.714	82.823	82.931	83.040	83.149	83.258
12.5	83.078	83.311	83.544	83.815	84.086	84.232	84.378	84.514	84.651	84.696
15.0	83.541	84.073	84.604	85.031	85.457	85.641	85.824	85.989	86.153	86.135
17.5	84.639	84.939	85.239	85.368	85.497	85.553	85.609	85.723	85.836	85.867
20.0	85.736	85.805	85.873	85.705	85.537	85.466	85.394	85.457	85.519	85.600
22.5	86.001	86.027	86.054	85.873	85.693	85.562	85.432	85.492	85.553	85.679
25.0	86.265	86.250	86.234	86.041	85.848	85.659	85.469	85.528	85.587	85.758
27.5	86.125	86.177	86.228	86.229	86.231	86.033	85.836	85.844	85.852	86.052
30.0	85.985	86.104	86.222	86.418	86.613	86.408	86.203	86.160	86.116	86.346
32.5	85.892	85.979	86.067	86.268	86.470	86.259	86.048	85.956	85.864	86.027
35.0	85.799	85.855	85.911	86.119	86.327	86.110	85.892	85.752	85.612	85.709
37.5	85.774	85.807	85.840	86.127	86.415	86.158	85.902	85.390	84.878	84.376
40.0	85.749	85.759	85.768	86.135	86.502	86.207	85.911	85.028	84.144	83.043
42.5	84.987	84.849	84.711	84.628	84.546	83.771	82.997	81.639	80.282	79.597
45.0	84.225	83.939	83.653	83.121	82.589	81.336	80.082	78.251	76.419	76.152
47.5	80.036	79.750	79.464	78.520	77.576	75.848	74.121	73.290	72.460	73.426
50.0	75.847	75.561	75.274	73.919	72.563	70.361	68.159	68.330	68.501	70.700
52.5	69.913	69.401	68.890	67.234	65.578	64.021	62.465	64.072	65.680	67.087
55.0	63.979	63.242	62.505	60.549	58.592	57.681	56.770	59.815	62.859	63.475
57.5	57.660	56.770	55.881	54.108	52.335	52.694	53.054	55.496	57.939	57.535
60.0	51.340	50.298	49.256	47.667	46.078	47.708	49.337	51.178	53.019	51.595

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

62.5	47.387	46.264	45.142	43.895	42.648	44.941	47.235	48.193	49.151	47.641
65.0	43.434	42.231	41.027	40.122	39.217	42.175	45.132	45.207	45.282	43.687
67.5	41.086	39.663	38.241	38.320	38.399	40.814	43.229	43.069	42.909	42.177
70.0	38.738	37.096	35.454	36.518	37.581	39.454	41.326	40.931	40.536	40.667
72.5	38.091	36.398	34.705	36.135	37.566	39.068	40.570	40.209	39.849	40.590
75.0	37.444	35.700	33.955	35.753	37.550	38.682	39.814	39.488	39.161	40.514
77.5	36.882	35.302	33.722	36.015	38.309	39.055	39.802	39.513	39.224	40.909
80.0	36.319	34.904	33.488	36.278	39.068	39.429	39.789	39.538	39.286	41.304
82.5	35.529	34.373	33.218	35.765	38.312	38.373	38.433	38.382	38.331	40.642
85.0	34.739	33.843	32.947	35.252	37.556	37.317	37.077	37.227	37.376	39.979
87.5	35.352	34.139	32.926	35.913	38.900	38.579	38.259	38.289	38.319	40.897
90.0	35.964	34.434	32.904	36.574	40.243	39.842	39.441	39.351	39.261	41.814
92.5	35.237	33.972	32.708	35.704	38.701	38.455	38.210	38.168	38.126	40.631
95.0	34.509	33.511	32.512	34.835	37.158	37.068	36.978	36.984	36.990	39.447
97.5	34.083	32.846	31.610	33.936	36.263	36.544	36.826	36.427	36.029	38.338
100.0	33.656	32.182	30.708	33.038	35.367	36.020	36.673	35.871	35.068	37.230
102.5	32.832	31.357	29.881	32.270	34.658	35.037	35.417	34.627	33.837	35.861
105.0	32.008	30.531	29.054	31.502	33.949	34.055	34.160	33.383	32.605	34.493
107.5	31.707	29.993	28.280	29.880	31.480	32.425	33.370	32.927	32.484	33.615
110.0	31.405	29.455	27.505	28.258	29.010	30.795	32.580	32.472	32.363	32.736
112.5	30.192	28.698	27.203	27.205	27.206	29.386	31.567	31.511	31.455	31.464
115.0	28.979	27.940	26.901	26.152	25.402	27.978	30.553	30.550	30.546	30.192
117.5	27.617	26.822	26.028	24.990	23.953	25.855	27.757	28.604	29.452	29.100
120.0	26.255	25.705	25.154	23.829	22.504	23.733	24.961	26.659	28.357	28.009
122.5	25.095	24.621	24.146	22.932	21.717	22.178	22.638	24.362	26.087	26.289
125.0	23.935	23.537	23.138	22.034	20.930	20.623	20.315	22.066	23.816	24.569
127.5	23.297	23.142	22.986	22.125	21.263	20.354	19.444	20.489	21.534	22.838
130.0	22.659	22.747	22.834	22.215	21.596	20.085	18.573	18.912	19.251	21.108
132.5	21.879	22.078	22.277	21.901	21.525	20.616	19.708	19.403	19.099	19.616
135.0	21.098	21.409	21.720	21.587	21.453	21.148	20.843	19.895	18.946	18.125
137.5	20.271	20.383	20.495	20.506	20.517	20.354	20.190	19.543	18.897	17.976
140.0	19.444	19.357	19.270	19.426	19.581	19.559	19.537	19.192	18.847	17.827
142.5	19.516	19.671	19.827	19.740	19.653	19.410	19.167	18.960	18.754	18.121
145.0	19.587	19.985	20.383	20.054	19.724	19.261	18.797	18.729	18.660	18.415
147.5	18.349	18.645	18.940	18.778	18.617	18.433	18.250	18.302	18.355	18.149
150.0	17.111	17.304	17.497	17.503	17.509	17.606	17.702	17.876	18.050	17.883
152.5	16.094	16.474	16.853	17.021	17.189	17.211	17.233	17.203	17.173	16.988
155.0	15.077	15.643	16.209	16.539	16.869	16.816	16.763	16.530	16.296	16.094
157.5	13.756	14.303	14.850	15.256	15.662	15.805	15.948	15.903	15.858	15.766
160.0	12.434	12.963	13.491	13.973	14.455	14.794	15.133	15.276	15.419	15.438
162.5	11.361	11.852	12.344	12.844	13.345	13.740	14.135	14.348	14.561	14.606
165.0	10.288	10.742	11.196	11.716	12.235	12.686	13.137	13.420	13.703	13.775
167.5	9.147	9.510	9.874	10.308	10.742	11.146	11.551	11.846	12.142	12.280
170.0	8.005	8.279	8.552	8.901	9.249	9.607	9.964	10.272	10.580	10.786
172.5	6.827	7.027	7.228	7.461	7.694	7.927	8.161	8.360	8.559	8.696
175.0	5.648	5.776	5.903	6.021	6.139	6.248	6.357	6.447	6.537	6.606
177.5	5.269	5.332	5.396	5.455	5.514	5.569	5.623	5.668	5.713	5.747
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

Vert. 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	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544	85.544
2.5	83.902	83.804	83.706	83.619	83.532	83.465	83.398	83.342	83.286	83.244
5.0	82.259	82.064	81.868	81.694	81.519	81.386	81.252	81.140	81.028	80.944
7.5	82.813	82.773	82.733	82.712	82.692	82.704	82.717	82.749	82.782	82.830

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

10.0	83.367	83.482	83.597	83.731	83.864	84.023	84.181	84.359	84.536	84.717
12.5	84.742	84.721	84.701	84.650	84.598	84.558	84.517	84.520	84.524	84.570
15.0	86.116	85.961	85.805	85.569	85.332	85.093	84.853	84.682	84.511	84.424
17.5	85.898	85.810	85.721	85.505	85.289	85.035	84.782	84.573	84.365	84.247
20.0	85.680	85.659	85.637	85.441	85.245	84.978	84.710	84.465	84.219	84.070
22.5	85.805	85.858	85.911	85.813	85.715	85.547	85.379	85.175	84.972	84.833
25.0	85.929	86.057	86.184	86.184	86.184	86.116	86.047	85.886	85.724	85.597
27.5	86.253	86.284	86.315	86.211	86.107	85.977	85.848	85.617	85.385	85.188
30.0	86.576	86.511	86.446	86.238	86.029	85.839	85.649	85.348	85.046	84.779
32.5	86.191	85.804	85.417	84.922	84.428	84.133	83.839	83.513	83.186	83.152
35.0	85.805	85.096	84.387	83.607	82.826	82.428	82.029	81.678	81.326	81.526
37.5	83.874	82.858	81.843	81.632	81.420	82.127	82.835	83.178	83.522	84.138
40.0	81.942	80.621	79.299	79.657	80.014	81.827	83.640	84.679	85.718	86.751
42.5	78.913	79.154	79.396	80.610	81.824	83.026	84.228	84.266	84.303	84.575
45.0	75.884	77.688	79.492	81.563	83.634	84.225	84.816	83.852	82.888	82.400
47.5	74.391	75.823	77.256	77.777	78.298	78.102	77.906	77.281	76.656	76.074
50.0	72.898	73.959	75.019	73.990	72.961	71.978	70.995	70.709	70.423	69.748
52.5	68.495	68.526	68.557	67.470	66.383	65.820	65.257	65.920	66.582	66.420
55.0	64.091	63.093	62.094	60.950	59.805	59.662	59.519	61.130	62.741	63.093
57.5	57.131	56.428	55.725	55.843	55.961	56.529	57.097	57.924	58.751	58.240
60.0	50.171	49.764	49.356	50.737	52.117	53.396	54.674	54.718	54.761	53.387
62.5	46.131	46.835	47.540	48.937	50.335	50.387	50.438	49.715	48.992	48.407
65.0	42.091	43.907	45.723	47.138	48.553	47.378	46.202	44.713	43.223	43.428
67.5	41.444	43.534	45.624	45.686	45.748	44.524	43.301	42.621	41.942	41.917
70.0	40.797	43.161	45.524	44.234	42.943	41.671	40.399	40.530	40.660	40.405
72.5	41.332	42.913	44.495	42.921	41.348	40.721	40.094	39.831	39.569	39.835
75.0	41.867	42.666	43.465	41.609	39.752	39.771	39.789	39.133	38.477	39.264
77.5	42.595	42.434	42.274	40.640	39.006	38.936	38.866	38.816	38.766	39.701
80.0	43.322	42.203	41.083	39.671	38.259	38.101	37.942	38.499	39.055	40.138
82.5	42.952	41.332	39.712	38.833	37.955	37.597	37.239	38.281	39.323	39.360
85.0	42.582	40.461	38.340	37.995	37.650	37.093	36.536	38.063	39.590	38.583
87.5	43.474	40.935	38.396	38.295	38.194	37.745	37.295	38.653	40.010	38.928
90.0	44.367	41.410	38.452	38.595	38.738	38.396	38.054	39.242	40.430	39.273
92.5	43.135	40.593	38.051	38.040	38.029	37.546	37.062	38.281	39.500	38.419
95.0	41.904	39.777	37.650	37.485	37.320	36.695	36.070	37.320	38.570	37.566
97.5	40.647	39.138	37.628	37.012	36.397	35.857	35.318	36.031	36.745	36.480
100.0	39.391	38.499	37.606	36.540	35.473	35.019	34.565	34.742	34.919	35.395
102.5	37.886	37.836	37.787	36.375	34.963	34.638	34.313	33.937	33.560	34.139
105.0	36.381	37.174	37.967	36.210	34.453	34.257	34.061	33.131	32.201	32.882
107.5	34.745	36.179	37.613	35.986	34.360	33.481	32.603	32.321	32.039	32.411
110.0	33.109	35.184	37.258	35.762	34.266	32.705	31.144	31.511	31.877	31.940
112.5	31.473	32.895	34.316	34.428	34.540	33.059	31.579	31.117	30.655	30.689
115.0	29.837	30.606	31.374	33.094	34.813	33.414	32.014	30.724	29.433	29.439
117.5	28.749	29.128	29.508	30.752	31.996	31.921	31.846	30.846	29.847	29.560
120.0	27.660	27.651	27.642	28.410	29.178	30.428	31.678	30.969	30.260	29.682
122.5	26.491	26.242	25.994	26.535	27.076	27.726	28.376	28.500	28.625	28.741
125.0	25.322	24.834	24.345	24.659	24.973	25.023	25.073	26.031	26.989	27.801
127.5	24.143	24.016	23.888	24.089	24.289	24.253	24.218	24.569	24.921	25.269
130.0	22.964	23.198	23.431	23.518	23.605	23.484	23.362	23.107	22.852	22.737
132.5	20.134	20.848	21.562	22.232	22.902	22.793	22.684	22.535	22.386	22.188
135.0	17.304	18.499	19.693	20.946	22.199	22.103	22.006	21.963	21.919	21.639
137.5	17.055	17.407	17.759	18.614	19.469	19.711	19.954	20.346	20.738	20.843
140.0	16.806	16.315	15.824	16.281	16.738	17.320	17.901	18.729	19.556	20.047
142.5	17.488	16.961	16.434	16.465	16.496	16.760	17.024	17.411	17.799	17.859
145.0	18.169	17.606	17.043	16.648	16.253	16.200	16.147	16.094	16.041	15.671
147.5	17.942	17.485	17.028	16.824	16.620	16.659	16.698	16.508	16.318	15.839

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

CANDELA TABULATION - (Cont.)

150.0	17.715	17.364	17.012	17.000	16.987	17.118	17.248	16.922	16.595	16.007
152.5	16.804	16.692	16.580	16.645	16.710	16.817	16.925	16.618	16.312	15.887
155.0	15.892	16.020	16.147	16.290	16.433	16.517	16.601	16.315	16.029	15.768
157.5	15.675	15.766	15.858	15.944	16.029	16.141	16.253	16.121	15.989	15.794
160.0	15.457	15.513	15.569	15.597	15.625	15.765	15.905	15.927	15.948	15.821
162.5	14.652	14.639	14.627	14.566	14.505	14.516	14.527	14.521	14.515	14.473
165.0	13.846	13.765	13.684	13.535	13.385	13.267	13.149	13.115	13.081	13.125
167.5	12.419	12.450	12.481	12.432	12.384	12.325	12.266	12.243	12.220	12.234
170.0	10.991	11.134	11.277	11.330	11.383	11.383	11.383	11.371	11.358	11.343
172.5	8.833	8.924	9.016	9.050	9.085	9.080	9.075	9.053	9.032	8.999
175.0	6.674	6.715	6.755	6.771	6.786	6.777	6.767	6.736	6.705	6.656
177.5	5.782	5.802	5.822	5.830	5.838	5.833	5.828	5.813	5.797	5.772
180.0	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

Vert. Horizontal Angles

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	85.544	85.544	85.544	85.544	85.544
2.5	83.202	83.173	83.143	83.131	83.118
5.0	80.860	80.801	80.742	80.717	80.692
7.5	82.879	82.933	82.988	83.037	83.087
10.0	84.897	85.065	85.233	85.357	85.481
12.5	84.617	84.689	84.760	84.842	84.925
15.0	84.337	84.312	84.287	84.328	84.368
17.5	84.129	84.110	84.091	84.153	84.216
20.0	83.920	83.908	83.895	83.979	84.063
22.5	84.695	84.707	84.720	84.771	84.822
25.0	85.469	85.507	85.544	85.563	85.581
27.5	84.990	84.944	84.897	84.883	84.869
30.0	84.511	84.381	84.250	84.204	84.157
32.5	83.118	83.182	83.246	83.194	83.143
35.0	81.725	81.983	82.241	82.185	82.129
37.5	84.754	85.247	85.740	86.023	86.306
40.0	87.783	88.511	89.238	89.860	90.482
42.5	84.847	84.858	84.869	85.034	85.199
45.0	81.911	81.205	80.499	80.207	79.915
47.5	75.492	75.222	74.951	75.018	75.085
50.0	69.073	69.238	69.403	69.829	70.255
52.5	66.259	66.602	66.946	67.134	67.322
55.0	63.444	63.967	64.489	64.439	64.389
57.5	57.728	57.644	57.560	57.577	57.594
60.0	52.012	51.322	50.631	50.715	50.799
62.5	47.823	47.409	46.996	47.202	47.409
65.0	43.633	43.497	43.360	43.690	44.019
67.5	41.892	42.044	42.197	42.069	41.942
70.0	40.150	40.592	41.033	40.449	39.864
72.5	40.101	40.788	41.475	41.113	40.751
75.0	40.051	40.984	41.917	41.777	41.637
77.5	40.636	40.673	40.710	40.237	39.765
80.0	41.220	40.362	39.503	38.698	37.892
82.5	39.398	39.380	39.363	38.900	38.437
85.0	37.575	38.399	39.223	39.102	38.981
87.5	37.846	38.657	39.469	39.168	38.866
90.0	38.116	38.916	39.715	39.233	38.751
92.5	37.339	37.844	38.350	38.340	38.331
95.0	36.561	36.773	36.984	37.448	37.911

IES INDOOR REPORT**PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES****CANDELA TABULATION - (Cont.)**

97.5	36.216	36.131	36.045	35.879	35.712
100.0	35.871	35.489	35.106	34.310	33.513
102.5	34.717	34.902	35.087	34.585	34.083
105.0	33.563	34.316	35.068	34.860	34.652
107.5	32.783	32.888	32.994	32.962	32.929
110.0	32.002	31.461	30.920	31.063	31.206
112.5	30.724	30.623	30.522	30.466	30.410
115.0	29.445	29.784	30.123	29.868	29.613
117.5	29.274	29.007	28.740	28.814	28.889
120.0	29.103	28.230	27.356	27.760	28.164
122.5	28.858	28.491	28.124	28.376	28.628
125.0	28.612	28.752	28.892	28.992	29.091
127.5	25.617	25.754	25.891	25.950	26.009
130.0	22.622	22.756	22.890	22.909	22.927
132.5	21.991	22.282	22.573	22.593	22.613
135.0	21.359	21.807	22.255	22.277	22.299
137.5	20.949	21.306	21.664	21.727	21.789
140.0	20.538	20.806	21.073	21.176	21.279
142.5	17.920	17.850	17.780	17.890	18.001
145.0	15.301	14.894	14.486	14.605	14.723
147.5	15.360	15.093	14.825	14.875	14.925
150.0	15.419	15.292	15.164	15.146	15.127
152.5	15.463	15.483	15.503	15.640	15.777
155.0	15.506	15.674	15.842	16.135	16.427
157.5	15.600	15.590	15.581	15.679	15.777
160.0	15.693	15.507	15.320	15.224	15.127
162.5	14.431	14.372	14.313	14.298	14.284
165.0	13.168	13.237	13.305	13.373	13.441
167.5	12.248	12.279	12.310	12.344	12.378
170.0	11.327	11.321	11.314	11.314	11.314
172.5	8.967	8.934	8.901	8.867	8.833
175.0	6.606	6.547	6.487	6.419	6.351
177.5	5.748	5.718	5.688	5.654	5.620
180.0	4.000	4.000	4.000	4.000	4.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	31.80	5.10	5.90
0-30	71.16	11.40	13.30
0-40	124.97	20.10	23.30
0-60	241.70	38.90	45.10
0-80	328.95	52.90	61.40
0-90	371.22	59.70	69.30
10-90	363.26	58.40	67.80
20-40	93.18	15.00	17.40
20-50	155.24	25.00	29.00
40-70	161.48	26.00	30.10
60-80	87.25	14.00	16.30
70-80	42.50	6.80	7.90
80-90	42.27	6.80	7.90
90-110	75.51	12.10	14.10
90-120	104.90	16.90	19.60
90-130	127.07	20.40	23.70
90-150	153.61	24.70	28.70
90-180	164.38	26.40	30.70
110-180	88.87	14.30	16.60
0-180	535.60	86.10	100.00

Total Luminaire Efficiency = 86.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	7.96
10-20	23.84
20-30	39.37
30-40	53.81
40-50	62.06
50-60	54.67
60-70	44.75
70-80	42.50
80-90	42.27
90-100	40.01
100-110	35.50
110-120	29.39
120-130	22.16
130-140	15.92
140-150	10.63
150-160	6.79
160-170	3.30
170-180	0.68

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.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	96	96	96	96	91	91	91	91	81	81	81	72	72	72	64	64	64	60
1	85	80	75	71	80	75	71	68	67	64	61	59	56	54	52	50	48	44
2	77	69	62	56	72	65	59	54	57	53	48	50	47	43	44	41	39	35
3	69	60	52	46	65	56	49	44	50	44	40	44	39	36	38	35	32	29
4	63	52	44	38	59	49	42	37	44	38	33	39	34	30	34	30	27	24
5	58	46	38	32	54	44	37	31	39	33	28	34	30	26	30	26	23	20
6	53	41	34	28	50	39	32	27	35	29	24	31	26	22	27	23	20	18
7	49	37	30	24	46	35	28	23	32	26	21	28	23	19	25	21	18	15
8	45	34	26	21	43	32	25	21	29	23	19	26	21	17	23	19	16	14
9	42	31	24	19	40	29	23	18	26	21	17	23	19	15	21	17	14	12
10	40	28	21	17	37	27	21	16	24	19	15	22	17	14	19	15	12	11

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.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	11.3	12.4	12.0	13.2	14.2	11.0	12.2	11.8	13.0	14.0
	3H	13.0	14.1	13.8	14.9	15.9	13.0	14.1	13.7	14.9	15.8
	4H	14.0	15.1	14.8	15.9	16.8	14.0	15.0	14.7	15.8	16.8
	6H	15.1	16.1	15.9	16.9	17.9	15.0	16.0	15.8	16.8	17.8
	8H	15.7	16.6	16.5	17.4	18.4	15.5	16.5	16.3	17.3	18.3
	12H	16.2	17.1	17.0	17.9	19.0	16.1	17.0	16.9	17.8	18.8

UGR Viewed Endwise

4H	2H	11.7	12.7	12.5	13.5	14.5	11.5	12.5	12.3	13.3	14.3
	3H	13.8	14.7	14.6	15.6	16.6	13.7	14.6	14.5	15.4	16.4
	4H	15.0	15.8	15.8	16.7	17.7	14.9	15.7	15.7	16.6	17.6
	6H	16.3	17.0	17.1	17.9	18.9	16.2	16.9	17.0	17.8	18.8
	8H	17.0	17.6	17.8	18.5	19.5	16.9	17.6	17.7	18.4	19.5
	12H	17.6	18.2	18.4	19.1	20.2	17.5	18.2	18.4	19.1	20.1

8H	4H	15.4	16.1	16.3	17.0	18.0	15.4	16.1	16.2	16.9	18.0
	6H	17.0	17.6	17.8	18.4	19.5	16.9	17.5	17.7	18.3	19.4
	8H	17.7	18.3	18.6	19.2	20.2	17.7	18.2	18.5	19.1	20.2
	12H	18.6	19.1	19.4	19.9	21.0	18.5	19.0	19.4	19.9	21.0

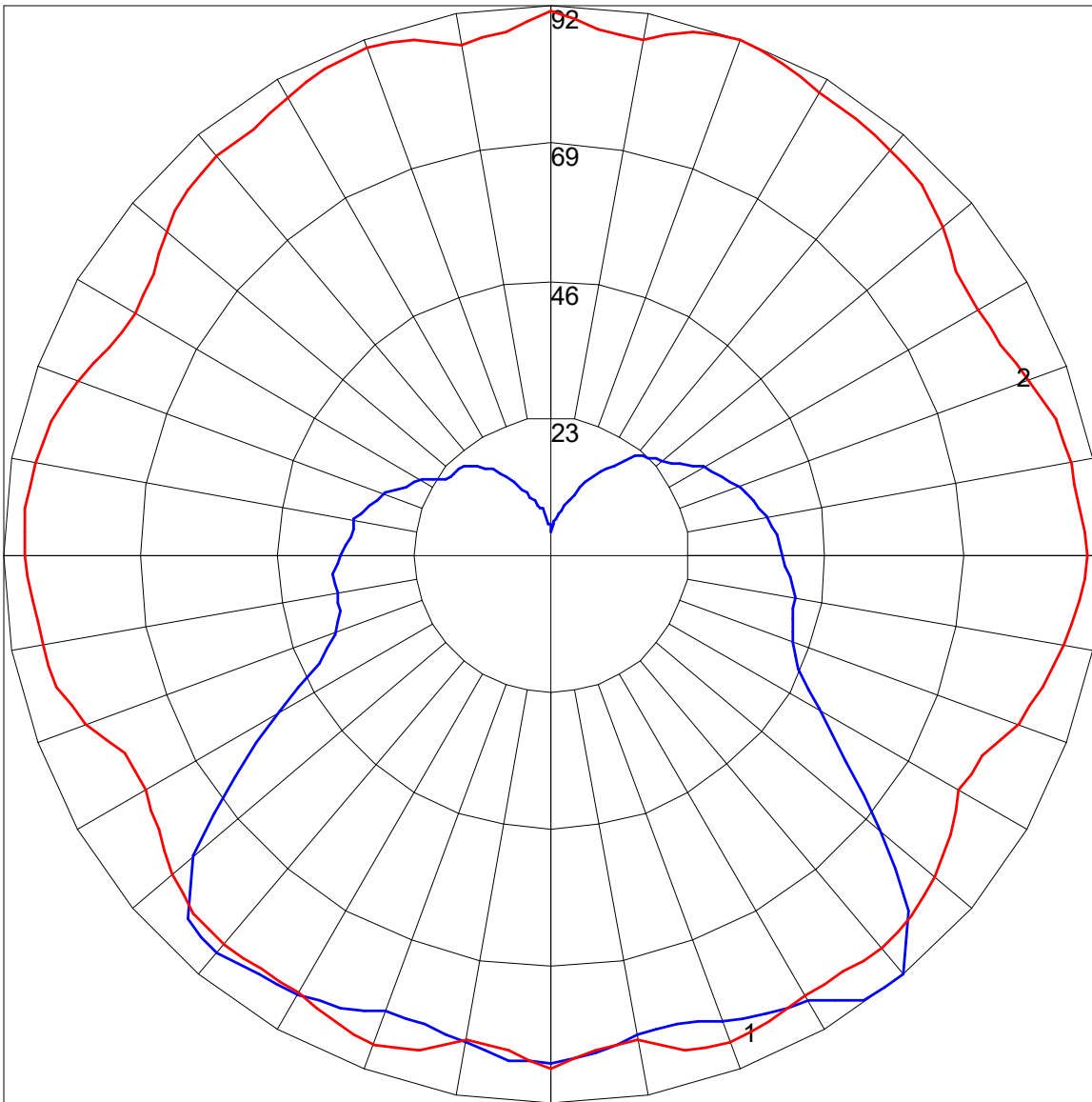
12H	4H	15.5	16.1	16.4	17.0	18.1	15.5	16.1	16.3	17.0	18.0
	6H	17.1	17.6	18.0	18.5	19.6	17.0	17.6	17.9	18.5	19.6
	8H	18.0	18.5	18.8	19.4	20.5	17.9	18.4	18.8	19.3	20.4

Maximum UGR = 21.0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F63A - XY&Z SUSPENSION AND WALL LAMP IN GLASS.IES

POLAR GRAPH



Maximum Candela = 92.373 Located At Horizontal Angle = 70, Vertical Angle = 40

1 - Vertical Plane Through Horizontal Angles (70 - 250) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (40) (Through Max. Cd.)