

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBXWSECL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 2023111503  
[TESTLAB]  
[TESTDATE] 2023-11-15  
[ISSUEDATE] 2023-11-15 17:26:34  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] EMERGENCY LIGHTING  
[LUMINAIRE] BBXWSECL  
[LAMP] WM8-B (ONE HEAD ONLY)

Note: Candela values converted from Type-B to Type-C

**CHARACTERISTICS**

Lumens Per Lamp	315.86 (1 lamp)
Total Lamp Lumens	315.86
Luminaire Lumens	317
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.26
Spacing Criterion (Diagonal)	0.40
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.05 m (Diameter)
Luminous Width (90-270)	0.05 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	8027	4819	5359
55	7392	3550	4362
65	7048	2804	2840
75	7105	3110	1428
85	10695	5409	0

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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>
<b>0.0</b>	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
<b>2.5</b>	1504.714	1496.113	1487.649	1479.336	1471.189	1463.224	1455.454	1447.894	1440.558	1429.995
<b>5.0</b>	1408.338	1391.899	1376.032	1360.755	1346.083	1331.110	1315.270	1300.097	1285.605	1263.914
<b>7.5</b>	1212.607	1190.637	1169.952	1148.884	1129.440	1109.352	1085.358	1070.913	1052.005	1034.236
<b>10.0</b>	983.757	958.428	934.766	910.315	886.358	863.139	839.971	817.606	795.626	774.283
<b>12.5</b>	779.707	754.922	731.367	706.525	682.467	658.121	639.522	609.686	585.987	562.802
<b>15.0</b>	575.657	554.278	533.600	510.536	492.223	471.780	451.103	430.905	411.039	391.612
<b>17.5</b>	371.608	356.363	342.031	328.316	314.706	301.380	288.255	275.284	259.004	249.996
<b>20.0</b>	167.558	161.130	156.551	152.962	150.114	147.689	145.199	140.778	139.697	136.346
<b>22.5</b>	133.417	126.662	119.771	113.399	106.274	99.151	91.680	84.757	78.211	72.045
<b>25.0</b>	99.277	94.345	89.433	84.222	78.925	73.434	67.944	62.777	57.817	53.231
<b>27.5</b>	65.135	62.160	59.389	56.594	53.653	50.433	47.192	43.879	41.197	38.035
<b>30.0</b>	30.994	30.419	30.364	30.504	30.436	29.912	29.143	28.127	27.020	26.207
<b>32.5</b>	27.589	26.819	26.134	25.364	24.275	22.895	21.430	19.968	18.700	17.546
<b>35.0</b>	24.189	23.498	22.884	22.121	21.089	19.851	18.577	17.172	16.170	15.172
<b>37.5</b>	20.788	20.195	19.648	18.953	18.042	16.971	15.806	14.792	13.874	13.038
<b>40.0</b>	17.383	16.912	16.434	15.858	15.123	14.269	13.342	12.541	11.809	11.117
<b>42.5</b>	13.985	13.637	13.260	12.833	12.413	11.724	11.061	10.492	9.928	9.390
<b>45.0</b>	11.149	10.903	10.576	10.234	9.920	9.438	8.959	8.604	8.200	7.853
<b>47.5</b>	10.015	9.790	9.458	9.098	8.756	8.266	7.799	7.373	6.957	6.678
<b>50.0</b>	9.453	9.220	8.918	8.547	8.173	7.685	7.237	6.798	6.363	6.066
<b>52.5</b>	8.893	8.672	8.368	7.987	7.592	7.115	6.684	6.237	5.871	5.568
<b>55.0</b>	8.328	8.124	7.837	7.440	7.022	6.569	6.149	5.716	5.405	5.070
<b>57.5</b>	7.764	7.576	7.303	6.881	6.461	6.029	5.607	5.229	4.945	4.580
<b>60.0</b>	7.204	7.027	6.770	6.325	5.910	5.503	5.076	4.767	4.480	4.120
<b>62.5</b>	6.523	6.362	6.135	5.714	5.349	4.974	4.597	4.341	4.011	3.692
<b>65.0</b>	5.851	5.693	5.512	5.113	4.805	4.458	4.128	3.928	3.584	3.357
<b>67.5</b>	5.172	5.028	4.895	4.492	4.273	3.945	3.682	3.524	3.207	3.046
<b>70.0</b>	4.497	4.358	4.281	3.912	3.745	3.444	3.254	3.106	2.852	2.729
<b>72.5</b>	4.052	3.933	3.856	3.515	3.365	3.063	2.932	2.760	2.556	2.454
<b>75.0</b>	3.612	3.504	3.435	3.140	3.006	2.753	2.636	2.463	2.308	2.213
<b>77.5</b>	3.165	3.075	3.012	2.763	2.655	2.433	2.336	2.178	2.047	1.977
<b>80.0</b>	2.716	2.650	2.593	2.387	2.299	2.122	2.045	1.904	1.796	1.741
<b>82.5</b>	2.279	2.221	2.171	2.024	1.948	1.813	1.749	1.641	1.561	1.506
<b>85.0</b>	1.831	1.797	1.759	1.654	1.607	1.505	1.458	1.376	1.312	1.269
<b>87.5</b>	1.390	1.370	1.340	1.286	1.266	1.201	1.162	1.120	1.074	1.036
<b>90.0</b>	0.945	0.945	0.925	0.925	0.925	0.896	0.876	0.866	0.836	0.806

**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>
<b>0.0</b>	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
<b>2.5</b>	1425.910	1418.105	1410.598	1403.404	1397.720	1390.006	1383.826	1378.008	1372.563	1367.500
<b>5.0</b>	1257.610	1243.261	1229.665	1216.836	1209.846	1192.468	1177.248	1162.770	1149.061	1136.146
<b>7.5</b>	1016.716	999.579	983.539	968.515	953.692	938.969	921.320	904.568	888.539	873.555
<b>10.0</b>	753.893	734.323	713.995	697.825	680.697	664.420	649.549	635.198	621.561	609.378
<b>12.5</b>	540.248	518.209	497.066	476.916	457.235	438.897	423.868	410.867	397.569	385.539
<b>15.0</b>	372.780	354.474	336.808	318.599	302.171	285.160	270.071	254.838	241.737	228.137
<b>17.5</b>	237.572	224.142	212.392	199.912	185.092	177.261	165.041	154.760	145.232	136.933
<b>20.0</b>	132.194	127.154	121.792	116.135	109.935	103.244	97.657	91.949	86.015	81.295
<b>22.5</b>	66.372	61.235	60.357	60.831	60.291	58.879	56.781	54.031	52.104	49.941
<b>25.0</b>	49.101	45.389	41.949	38.958	36.307	33.678	33.587	33.840	33.615	33.092
<b>27.5</b>	35.468	33.031	30.868	28.932	27.309	26.062	25.072	24.242	23.541	23.371
<b>30.0</b>	24.759	23.619	22.516	21.543	20.772	20.143	19.610	19.167	18.796	18.465

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**CANDELA TABULATION - (Cont.)**

32.5	16.511	16.456	16.256	16.022	15.730	15.580	15.413	15.237	15.054	14.829
35.0	14.260	13.499	12.817	12.208	11.895	12.016	12.097	12.128	12.052	12.002
37.5	12.230	11.644	11.118	10.664	10.280	9.968	9.724	9.763	9.889	9.920
40.0	10.525	10.051	9.645	9.281	8.995	8.777	8.627	8.501	8.439	8.448
42.5	8.976	8.640	8.334	8.081	7.880	7.750	7.632	7.588	7.533	7.475
45.0	7.609	7.389	7.181	7.014	6.878	6.804	6.756	6.725	6.694	6.624
47.5	6.470	6.249	6.148	6.060	5.993	5.959	5.949	5.952	5.923	5.872
50.0	5.791	5.556	5.380	5.269	5.188	5.185	5.216	5.255	5.263	5.186
52.5	5.284	5.097	4.907	4.747	4.636	4.558	4.615	4.662	4.615	4.521
55.0	4.814	4.652	4.443	4.306	4.194	4.145	4.168	4.122	4.000	3.899
57.5	4.389	4.197	3.994	3.859	3.745	3.730	3.714	3.611	3.499	3.393
60.0	3.977	3.757	3.583	3.434	3.348	3.310	3.242	3.152	3.055	3.030
62.5	3.585	3.316	3.163	3.013	2.921	2.859	2.792	2.745	2.665	2.665
65.0	3.239	2.993	2.818	2.656	2.524	2.413	2.376	2.346	2.328	2.304
67.5	2.929	2.712	2.564	2.425	2.314	2.199	2.126	2.034	1.999	1.979
70.0	2.632	2.451	2.332	2.208	2.122	2.049	1.976	1.893	1.832	1.765
72.5	2.355	2.199	2.096	2.006	1.948	1.892	1.822	1.757	1.700	1.633
75.0	2.110	1.982	1.885	1.817	1.775	1.718	1.674	1.630	1.581	1.513
77.5	1.876	1.772	1.686	1.626	1.590	1.542	1.504	1.461	1.420	1.368
80.0	1.654	1.567	1.492	1.441	1.408	1.365	1.335	1.304	1.251	1.197
82.5	1.434	1.364	1.304	1.252	1.230	1.200	1.171	1.148	1.089	1.026
85.0	1.221	1.167	1.120	1.074	1.052	1.027	1.013	0.991	0.926	0.876
87.5	1.011	0.972	0.939	0.889	0.873	0.866	0.853	0.835	0.775	0.723
90.0	0.806	0.776	0.756	0.712	0.697	0.697	0.697	0.682	0.617	0.567

**Vert. Horizontal Angles**  
**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	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
2.5	1354.956	1357.004	1354.144	1349.984	1346.292	1343.074	1340.339	1338.092	1336.340	1335.087
5.0	1124.050	1108.974	1101.947	1091.843	1082.684	1074.492	1067.289	1061.097	1055.936	1051.824
7.5	859.647	840.596	835.457	827.008	811.839	798.804	787.153	768.493	768.397	761.719
10.0	597.735	578.677	574.310	561.544	549.774	539.075	530.034	521.693	511.483	502.768
12.5	374.860	364.134	355.689	348.641	341.942	334.379	324.803	316.126	308.462	293.947
15.0	218.891	210.475	203.375	197.112	188.108	185.696	181.392	176.597	171.148	167.621
17.5	129.031	121.871	115.582	110.709	106.348	103.392	100.145	97.535	96.013	93.611
20.0	76.431	72.467	68.986	66.081	63.644	61.926	60.199	59.179	58.096	57.125
22.5	47.789	46.227	44.660	43.290	42.204	41.213	40.524	39.935	39.526	39.285
25.0	32.466	31.867	31.219	30.754	30.168	29.649	29.400	29.068	29.036	28.953
27.5	23.604	23.467	23.221	22.765	22.756	22.587	22.527	22.488	22.559	22.349
30.0	18.122	17.967	17.872	17.677	17.663	17.559	17.373	17.417	17.361	17.423
32.5	14.554	14.245	13.963	13.808	13.855	13.841	13.833	13.857	13.894	13.941
35.0	11.833	11.631	11.443	11.234	11.295	11.395	11.466	11.517	11.612	11.707
37.5	9.883	9.813	9.706	9.722	9.760	9.835	9.915	10.000	10.109	10.295
40.0	8.484	8.464	8.475	8.515	8.561	8.608	8.677	8.832	9.049	9.238
42.5	7.358	7.344	7.385	7.425	7.475	7.582	7.689	7.824	8.007	8.213
45.0	6.545	6.459	6.418	6.493	6.589	6.694	6.833	7.010	7.201	7.396
47.5	5.798	5.735	5.704	5.709	5.821	5.975	6.025	6.189	6.464	6.684
50.0	5.089	5.058	5.055	5.122	5.082	5.038	5.241	5.489	5.713	5.865
52.5	4.456	4.445	4.516	4.427	4.369	4.411	4.618	4.848	4.985	5.087
55.0	3.868	3.933	3.878	3.869	3.930	4.058	4.157	4.289	4.392	4.461
57.5	3.414	3.371	3.394	3.478	3.560	3.582	3.669	3.827	3.880	3.765
60.0	2.999	2.965	3.037	3.090	3.022	3.094	3.218	3.242	3.228	3.195
62.5	2.623	2.656	2.701	2.533	2.543	2.615	2.619	2.615	2.672	2.755
65.0	2.308	2.339	2.241	2.203	2.142	2.085	2.090	2.159	2.224	2.156
67.5	1.985	1.987	1.937	1.881	1.799	1.734	1.716	1.806	1.839	1.847

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<b>70.0</b>	1.678	1.676	1.646	1.570	1.517	1.480	1.498	1.576	1.615	1.582
<b>72.5</b>	1.545	1.499	1.389	1.288	1.276	1.265	1.279	1.294	1.315	1.250
<b>75.0</b>	1.444	1.365	1.248	1.181	1.106	1.061	0.969	0.994	0.993	0.960
<b>77.5</b>	1.318	1.228	1.147	1.089	1.031	0.923	0.796	0.710	0.761	0.705
<b>80.0</b>	1.148	1.061	1.014	0.976	0.941	0.847	0.762	0.687	0.613	0.486
<b>82.5</b>	0.982	0.908	0.887	0.855	0.809	0.760	0.716	0.652	0.590	0.471
<b>85.0</b>	0.825	0.770	0.759	0.736	0.694	0.665	0.606	0.576	0.526	0.465
<b>87.5</b>	0.682	0.640	0.636	0.623	0.577	0.560	0.519	0.496	0.464	0.426
<b>90.0</b>	0.537	0.517	0.517	0.517	0.478	0.468	0.438	0.418	0.408	0.398

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

	<u><b>75.0</b></u>	<u><b>77.5</b></u>	<u><b>80.0</b></u>	<u><b>82.5</b></u>	<u><b>85.0</b></u>	<u><b>87.5</b></u>	<u><b>90.0</b></u>	<u><b>92.5</b></u>	<u><b>95.0</b></u>	<u><b>97.5</b></u>
<b>0.0</b>	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
<b>2.5</b>	1334.337	1334.094	1334.359	1335.134	1336.420	1338.215	1340.519	1335.425	1330.841	1326.772
<b>5.0</b>	1048.779	1046.818	1036.968	1041.121	1045.299	1049.493	1053.695	1045.123	1036.568	1028.046
<b>7.5</b>	756.535	752.871	750.750	750.193	751.216	753.835	758.061	749.617	742.756	737.439
<b>10.0</b>	495.606	490.059	486.186	475.581	479.891	484.219	488.555	480.974	473.408	465.873
<b>12.5</b>	293.348	288.716	285.409	283.486	283.002	284.011	286.565	281.901	278.749	277.021
<b>15.0</b>	164.611	160.532	157.408	155.318	151.814	153.818	155.827	152.569	149.318	151.383
<b>17.5</b>	91.269	89.626	88.085	87.042	86.533	86.593	87.257	85.839	85.003	84.694
<b>20.0</b>	56.448	55.772	55.062	54.290	53.085	53.586	54.088	53.183	52.280	53.017
<b>22.5</b>	39.239	38.590	38.812	38.546	38.470	38.552	38.870	38.302	37.925	37.726
<b>25.0</b>	28.945	29.030	28.991	28.954	28.925	28.962	29.333	28.933	28.853	28.824
<b>27.5</b>	22.309	22.333	22.315	22.346	22.312	22.403	22.622	22.368	22.245	22.254
<b>30.0</b>	17.355	17.379	17.460	17.495	17.503	17.518	17.741	17.432	17.339	17.295
<b>32.5</b>	13.989	14.046	14.083	14.225	14.280	14.339	14.463	14.251	14.102	14.014
<b>35.0</b>	11.847	11.951	12.099	12.207	12.247	12.219	12.288	12.071	11.966	11.914
<b>37.5</b>	10.526	10.728	10.702	10.639	10.608	10.661	10.766	10.554	10.405	10.387
<b>40.0</b>	9.450	9.666	9.500	9.267	9.183	9.293	9.502	9.325	9.229	9.272
<b>42.5</b>	8.429	8.656	8.675	8.432	8.305	8.342	8.433	8.437	8.440	8.434
<b>45.0</b>	7.601	7.861	8.096	7.697	7.372	7.318	7.443	7.579	7.709	7.677
<b>47.5</b>	6.863	7.019	7.140	6.837	6.541	6.507	6.592	6.993	7.205	6.970
<b>50.0</b>	5.945	6.019	6.069	6.060	5.937	5.851	5.821	6.428	6.682	6.146
<b>52.5</b>	5.167	5.196	5.261	5.363	5.442	5.404	5.264	5.879	6.005	5.492
<b>55.0</b>	4.425	4.407	4.427	4.494	4.606	4.703	4.915	5.192	5.193	4.924
<b>57.5</b>	3.694	3.734	3.809	3.862	3.918	4.107	4.687	4.615	4.453	4.296
<b>60.0</b>	3.239	3.263	3.312	3.457	3.531	3.624	3.970	4.016	3.783	3.622
<b>62.5</b>	2.672	2.699	2.816	2.915	3.086	3.289	3.144	3.299	3.046	3.000
<b>65.0</b>	2.148	2.264	2.372	2.572	2.797	2.630	2.358	2.490	2.563	2.596
<b>67.5</b>	1.853	1.888	1.972	2.102	2.111	1.967	1.801	1.898	1.869	2.088
<b>70.0</b>	1.525	1.486	1.623	1.865	1.637	1.493	1.403	1.499	1.469	1.641
<b>72.5</b>	1.195	1.202	1.243	1.410	1.295	1.134	1.045	1.089	1.088	1.203
<b>75.0</b>	0.925	0.907	0.938	0.935	0.894	0.779	0.726	0.761	0.817	0.851
<b>77.5</b>	0.669	0.651	0.623	0.510	0.591	0.469	0.453	0.468	0.571	0.534
<b>80.0</b>	0.432	0.449	0.440	0.362	0.337	0.309	0.259	0.292	0.298	0.335
<b>82.5</b>	0.346	0.246	0.253	0.276	0.159	0.207	0.100	0.214	0.139	0.233
<b>85.0</b>	0.414	0.316	0.187	0.098	0.133	0.048	0.000	0.038	0.109	0.048
<b>87.5</b>	0.390	0.351	0.311	0.266	0.116	0.045	0.000	0.021	0.009	0.061
<b>90.0</b>	0.388	0.378	0.358	0.358	0.358	0.358	0.000	0.000	0.000	0.000

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

	<u><b>100.0</b></u>	<u><b>102.5</b></u>	<u><b>105.0</b></u>	<u><b>107.5</b></u>	<u><b>110.0</b></u>	<u><b>112.5</b></u>	<u><b>115.0</b></u>	<u><b>117.5</b></u>	<u><b>120.0</b></u>	<u><b>122.5</b></u>
<b>0.0</b>	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
<b>2.5</b>	1323.220	1320.187	1317.675	1315.683	1314.212	1313.259	1312.823	1312.902	1313.492	1314.589

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

5.0	1019.573	1024.812	1022.296	1020.824	1020.374	1017.556	1022.459	1024.949	1028.376	1032.718
7.5	733.628	731.281	728.950	730.810	732.598	728.134	740.810	746.809	753.935	761.513
10.0	472.813	473.072	474.830	477.998	482.485	488.208	492.662	497.530	503.506	510.183
12.5	276.630	277.490	279.512	277.629	288.832	293.759	299.391	305.599	310.156	313.832
15.0	151.993	153.472	155.527	157.369	159.407	163.127	166.529	169.406	170.380	177.085
17.5	84.856	85.193	86.422	88.072	89.776	90.881	92.782	95.047	96.874	99.794
20.0	53.298	53.636	54.015	54.426	55.209	55.848	56.762	58.038	59.281	61.223
22.5	37.670	37.371	37.956	38.162	38.411	38.926	39.344	39.836	40.467	41.203
25.0	28.811	28.816	28.762	28.826	29.038	29.202	29.298	29.325	29.527	29.718
27.5	22.271	22.366	22.452	22.587	22.755	22.577	22.438	22.332	22.326	22.159
30.0	17.334	17.425	17.571	17.795	17.701	17.639	17.452	17.438	17.309	17.067
32.5	13.943	14.106	14.261	14.288	14.218	14.138	14.041	13.950	13.799	13.497
35.0	11.922	11.954	11.992	11.846	11.741	11.636	11.567	11.451	11.365	11.290
37.5	10.501	10.627	10.485	10.273	10.095	9.971	9.852	9.744	9.756	9.859
40.0	9.471	9.648	9.435	9.215	8.986	8.784	8.624	8.586	8.648	8.736
42.5	8.483	8.419	8.247	8.095	7.962	7.825	7.673	7.552	7.546	7.688
45.0	7.632	7.426	7.231	7.068	6.924	6.802	6.682	6.601	6.523	6.526
47.5	6.772	6.618	6.447	6.288	6.121	5.914	5.754	5.679	5.585	5.557
50.0	5.892	5.838	5.742	5.605	5.398	5.190	5.020	4.869	4.832	4.928
52.5	5.376	5.317	5.255	5.066	4.776	4.541	4.353	4.270	4.327	4.402
55.0	4.850	4.843	4.832	4.522	4.197	3.924	3.828	3.856	3.893	3.957
57.5	4.220	4.200	4.063	3.819	3.608	3.423	3.399	3.439	3.494	3.561
60.0	3.527	3.468	3.336	3.155	2.949	2.979	3.030	3.039	3.104	3.183
62.5	2.999	2.936	2.810	2.643	2.582	2.534	2.574	2.650	2.719	2.761
65.0	2.523	2.542	2.564	2.394	2.233	2.178	2.161	2.223	2.287	2.327
67.5	2.191	2.176	2.148	2.042	1.913	1.825	1.798	1.820	1.899	1.924
70.0	1.817	1.818	1.700	1.652	1.543	1.463	1.458	1.451	1.511	1.570
72.5	1.437	1.525	1.415	1.277	1.232	1.174	1.141	1.128	1.157	1.238
75.0	1.009	1.136	1.154	1.018	0.918	0.912	0.869	0.813	0.888	1.009
77.5	0.671	0.855	0.822	0.726	0.635	0.606	0.662	0.688	0.745	0.831
80.0	0.419	0.501	0.495	0.387	0.421	0.483	0.526	0.539	0.593	0.675
82.5	0.188	0.189	0.277	0.304	0.328	0.379	0.401	0.394	0.424	0.494
85.0	0.055	0.128	0.187	0.205	0.219	0.232	0.261	0.264	0.285	0.334
87.5	0.070	0.072	0.083	0.099	0.109	0.115	0.128	0.137	0.144	0.184
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.040

**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	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
2.5	1316.189	1316.579	1312.273	1322.297	1325.079	1328.312	1327.648	1335.270	1340.649	1345.617
5.0	1037.955	1040.338	1050.439	1057.778	1065.940	1074.908	1084.666	1093.804	1103.775	1112.323
7.5	766.971	767.870	780.526	788.589	797.494	807.220	817.940	827.381	839.306	849.305
10.0	517.475	517.634	531.314	538.361	545.728	553.896	562.464	569.070	580.844	590.895
12.5	317.488	322.071	328.360	334.209	340.507	347.262	353.469	360.306	375.430	390.327
15.0	181.126	185.366	189.925	195.907	205.738	215.173	226.471	237.625	250.040	261.922
17.5	103.342	108.364	113.861	119.867	126.895	134.299	141.964	149.999	155.845	166.458
20.0	63.577	66.348	69.443	73.368	77.177	81.563	85.873	90.178	94.805	98.685
22.5	42.201	43.422	44.699	46.471	48.170	49.555	51.588	52.802	53.357	53.115
25.0	30.033	30.437	30.829	31.267	31.721	31.948	31.683	31.648	33.723	35.640
27.5	22.390	22.423	22.394	22.080	22.300	23.170	24.243	25.399	26.603	28.022
30.0	17.030	16.900	16.998	17.567	18.141	18.771	19.454	20.231	21.116	21.979
32.5	13.285	13.617	14.044	14.515	14.982	15.415	15.859	16.313	16.743	17.342
35.0	11.484	11.623	11.859	12.161	12.461	12.868	13.128	13.339	13.525	13.937
37.5	9.942	10.113	10.266	10.436	10.651	10.871	11.111	11.367	11.668	12.048
40.0	8.801	8.865	8.953	9.068	9.223	9.413	9.628	9.871	10.097	10.372

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBXWSECL.IES**

**CANDELA TABULATION - (Cont.)**

42.5	7.842	7.931	7.918	7.964	8.068	8.206	8.351	8.510	8.696	8.878
45.0	6.723	6.992	7.064	7.044	7.081	7.164	7.256	7.338	7.400	7.545
47.5	5.704	5.924	6.164	6.208	6.197	6.248	6.292	6.321	6.325	6.335
50.0	5.025	5.129	5.258	5.426	5.416	5.390	5.441	5.428	5.373	5.358
52.5	4.493	4.571	4.617	4.693	4.716	4.620	4.660	4.718	4.756	4.757
55.0	4.033	4.102	4.155	4.128	4.129	4.069	4.062	4.191	4.257	4.252
57.5	3.625	3.696	3.718	3.701	3.647	3.639	3.580	3.643	3.761	3.777
60.0	3.241	3.258	3.260	3.242	3.207	3.187	3.164	3.126	3.260	3.307
62.5	2.800	2.800	2.788	2.789	2.764	2.731	2.750	2.677	2.747	2.838
65.0	2.320	2.348	2.343	2.342	2.319	2.301	2.314	2.261	2.267	2.391
67.5	1.904	1.904	1.915	1.892	1.894	1.892	1.919	1.938	1.891	1.977
70.0	1.540	1.489	1.520	1.558	1.612	1.607	1.607	1.611	1.565	1.586
72.5	1.258	1.242	1.261	1.316	1.343	1.339	1.329	1.289	1.252	1.226
75.0	1.059	1.054	1.052	1.082	1.095	1.094	1.088	1.054	1.044	1.044
77.5	0.865	0.878	0.876	0.882	0.915	0.941	0.941	0.908	0.896	0.896
80.0	0.697	0.715	0.717	0.722	0.753	0.789	0.790	0.763	0.749	0.757
82.5	0.529	0.548	0.552	0.558	0.600	0.631	0.634	0.621	0.610	0.609
85.0	0.366	0.381	0.391	0.408	0.440	0.473	0.481	0.473	0.458	0.464
87.5	0.201	0.224	0.224	0.257	0.280	0.317	0.335	0.326	0.321	0.317
90.0	0.050	0.065	0.070	0.109	0.129	0.164	0.189	0.179	0.179	0.179

**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	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
2.5	1351.000	1356.789	1362.975	1365.673	1374.717	1380.769	1387.160	1393.880	1400.919	1408.264
5.0	1121.643	1131.734	1142.595	1146.274	1164.615	1176.411	1188.993	1202.361	1215.133	1227.846
7.5	859.608	870.725	882.735	894.866	906.965	920.053	929.606	948.109	963.489	978.570
10.0	600.168	612.418	623.951	635.834	648.137	660.941	672.694	685.192	698.892	705.764
12.5	405.465	421.187	437.457	453.704	470.043	483.473	503.151	518.815	534.195	550.595
15.0	275.726	288.972	302.412	312.334	329.980	343.656	357.418	371.213	384.121	395.388
17.5	175.081	183.003	191.002	201.232	207.148	218.103	226.329	234.515	242.760	250.527
20.0	101.855	104.622	106.931	108.625	109.683	109.019	110.242	110.172	110.123	110.425
22.5	51.762	51.310	54.345	57.738	61.589	65.814	70.225	74.732	79.291	83.672
25.0	37.861	40.422	42.940	45.527	48.387	51.512	55.063	58.530	62.014	65.293
27.5	29.590	31.361	33.356	35.299	37.235	39.285	41.643	43.886	45.979	47.863
30.0	23.051	24.160	25.368	26.655	27.799	28.855	29.863	30.697	31.185	31.391
32.5	17.864	18.417	18.930	20.099	21.357	22.594	23.811	24.998	25.968	26.743
35.0	14.595	15.327	16.198	17.169	18.267	19.315	20.464	21.527	22.428	23.121
37.5	12.537	13.108	13.706	14.571	15.442	16.402	17.315	18.192	18.978	19.565
40.0	10.725	11.159	11.662	12.258	12.908	13.648	14.362	15.034	15.619	16.074
42.5	9.127	9.427	9.780	10.175	10.621	11.108	11.601	12.023	12.369	12.637
45.0	7.687	7.880	8.090	8.331	8.556	8.778	9.017	9.286	9.490	9.640
47.5	6.380	6.464	6.665	6.858	7.038	7.226	7.531	7.794	8.012	8.181
50.0	5.360	5.554	5.761	5.989	6.224	6.443	6.704	6.965	7.184	7.353
52.5	4.786	4.899	5.070	5.282	5.496	5.688	5.899	6.146	6.354	6.514
55.0	4.241	4.285	4.418	4.599	4.791	4.961	5.123	5.342	5.535	5.697
57.5	3.741	3.722	3.800	3.929	4.110	4.260	4.369	4.543	4.721	4.875
60.0	3.267	3.208	3.216	3.288	3.454	3.575	3.630	3.760	3.914	4.054
62.5	2.803	2.720	2.658	2.719	2.887	3.011	3.087	3.198	3.369	3.556
65.0	2.380	2.319	2.265	2.305	2.452	2.552	2.635	2.730	2.865	3.080
67.5	1.978	1.930	1.879	1.897	2.021	2.129	2.191	2.260	2.374	2.592
70.0	1.583	1.538	1.491	1.488	1.597	1.705	1.749	1.794	1.878	2.120
72.5	1.184	1.178	1.174	1.201	1.307	1.437	1.491	1.544	1.634	1.853
75.0	1.045	1.031	1.027	1.051	1.129	1.248	1.304	1.352	1.420	1.605
77.5	0.902	0.888	0.888	0.897	0.959	1.068	1.115	1.158	1.216	1.358

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBXWSECL.IES**

**CANDELA TABULATION - (Cont.)**

<b>80.0</b>	0.757	0.749	0.741	0.750	0.794	0.884	0.927	0.960	1.012	1.114
<b>82.5</b>	0.610	0.601	0.601	0.610	0.641	0.703	0.742	0.768	0.805	0.886
<b>85.0</b>	0.466	0.460	0.454	0.466	0.480	0.527	0.556	0.577	0.603	0.657
<b>87.5</b>	0.323	0.319	0.317	0.317	0.328	0.350	0.369	0.389	0.401	0.426
<b>90.0</b>	0.179	0.179	0.179	0.179	0.179	0.179	0.189	0.199	0.199	0.199

**Vert.  
Angles**

**Horizontal Angles**

	<u><b>175.0</b></u>	<u><b>177.5</b></u>	<u><b>180.0</b></u>	<u><b>182.5</b></u>	<u><b>185.0</b></u>	<u><b>187.5</b></u>	<u><b>190.0</b></u>	<u><b>192.5</b></u>	<u><b>195.0</b></u>	<u><b>197.5</b></u>
<b>0.0</b>	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
<b>2.5</b>	1415.906	1423.832	1432.029	1439.008	1446.236	1453.700	1461.388	1469.289	1477.390	1485.677
<b>5.0</b>	1241.339	1255.605	1270.635	1283.477	1297.071	1311.411	1326.489	1337.637	1354.997	1369.476
<b>7.5</b>	996.204	1013.815	1032.885	1048.892	1066.421	1085.507	1102.839	1121.508	1141.795	1160.510
<b>10.0</b>	727.008	748.330	769.692	784.750	799.779	812.123	840.056	859.373	878.258	899.418
<b>12.5</b>	568.131	586.801	606.826	622.305	637.159	653.842	669.364	683.637	697.635	705.905
<b>15.0</b>	411.515	427.026	443.969	457.615	471.759	486.200	499.403	512.952	525.783	537.583
<b>17.5</b>	259.396	269.568	281.112	291.312	302.329	314.085	326.423	338.590	350.955	363.464
<b>20.0</b>	107.638	113.304	118.246	122.235	125.675	139.373	150.229	162.871	176.538	190.163
<b>22.5</b>	87.470	92.150	96.316	99.794	103.099	105.768	108.619	110.733	111.877	112.033
<b>25.0</b>	68.358	71.500	74.376	76.813	79.310	81.332	83.509	85.091	85.927	85.744
<b>27.5</b>	49.448	50.975	52.444	53.787	55.121	56.438	57.986	59.370	60.420	61.057
<b>30.0</b>	30.487	30.589	30.507	30.233	29.697	31.121	32.336	33.934	35.807	37.775
<b>32.5</b>	27.041	27.056	26.962	26.766	26.380	25.885	25.671	25.524	25.595	25.583
<b>35.0</b>	23.468	23.489	23.417	23.272	22.976	22.633	22.481	22.438	22.527	22.525
<b>37.5</b>	19.902	19.916	19.880	19.794	19.619	19.418	19.357	19.410	19.509	19.433
<b>40.0</b>	16.337	16.310	16.338	16.288	16.281	16.236	16.255	16.405	16.488	16.426
<b>42.5</b>	12.788	12.770	12.793	12.876	12.995	13.083	13.202	13.396	13.538	13.505
<b>45.0</b>	9.745	9.739	9.801	9.941	10.166	10.291	10.429	10.543	10.601	10.721
<b>47.5</b>	8.328	8.381	8.457	8.588	8.797	8.873	8.954	8.972	8.959	8.882
<b>50.0</b>	7.502	7.582	7.662	7.765	7.945	8.011	8.104	8.123	8.109	8.039
<b>52.5</b>	6.678	6.797	6.866	6.956	7.096	7.152	7.256	7.282	7.263	7.219
<b>55.0</b>	5.860	6.009	6.070	6.128	6.235	6.289	6.405	6.436	6.431	6.407
<b>57.5</b>	5.040	5.218	5.273	5.309	5.370	5.435	5.556	5.603	5.603	5.619
<b>60.0</b>	4.193	4.417	4.478	4.478	4.478	4.584	4.711	4.773	4.791	4.846
<b>62.5</b>	3.772	3.961	4.020	4.024	4.023	4.067	4.149	4.149	4.164	4.212
<b>65.0</b>	3.339	3.508	3.567	3.571	3.553	3.580	3.636	3.605	3.628	3.678
<b>67.5</b>	2.906	3.059	3.115	3.116	3.081	3.088	3.108	3.055	3.089	3.178
<b>70.0</b>	2.461	2.610	2.657	2.657	2.593	2.598	2.575	2.504	2.546	2.655
<b>72.5</b>	2.175	2.305	2.348	2.350	2.300	2.284	2.248	2.178	2.189	2.276
<b>75.0</b>	1.891	2.002	2.045	2.046	2.000	1.983	1.950	1.899	1.916	1.986
<b>77.5</b>	1.603	1.700	1.734	1.735	1.699	1.688	1.653	1.613	1.628	1.686
<b>80.0</b>	1.313	1.399	1.423	1.423	1.394	1.379	1.357	1.329	1.341	1.390
<b>82.5</b>	1.033	1.097	1.122	1.123	1.098	1.092	1.063	1.050	1.059	1.091
<b>85.0</b>	0.759	0.802	0.811	0.812	0.798	0.791	0.776	0.765	0.772	0.796
<b>87.5</b>	0.476	0.499	0.508	0.508	0.499	0.498	0.490	0.479	0.482	0.499
<b>90.0</b>	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199

**Vert.  
Angles**

**Horizontal Angles**

	<u><b>200.0</b></u>	<u><b>202.5</b></u>	<u><b>205.0</b></u>	<u><b>207.5</b></u>	<u><b>210.0</b></u>	<u><b>212.5</b></u>	<u><b>215.0</b></u>	<u><b>217.5</b></u>	<u><b>220.0</b></u>	<u><b>222.5</b></u>
<b>0.0</b>	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
<b>2.5</b>	1494.138	1502.757	1507.964	1518.291	1525.979	1533.797	1541.730	1548.848	1553.087	1566.079
<b>5.0</b>	1384.663	1400.545	1415.439	1429.703	1444.642	1460.237	1476.463	1489.396	1501.686	1512.163
<b>7.5</b>	1180.029	1201.162	1221.182	1240.499	1261.355	1283.530	1303.375	1320.367	1340.539	1358.724
<b>10.0</b>	917.710	938.114	958.444	978.837	1001.281	1021.866	1044.075	1064.939	1087.795	1110.134
<b>12.5</b>	722.581	734.131	745.229	755.796	765.328	773.145	780.866	785.056	809.938	830.101

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBXWSECL.IES**

**CANDELA TABULATION - (Cont.)**

15.0	550.421	553.626	570.303	578.960	585.748	592.543	596.956	604.191	603.673	609.300
17.5	375.659	386.175	392.539	405.047	412.566	419.113	424.214	426.973	428.509	427.911
20.0	203.811	217.108	230.242	244.404	254.178	263.192	270.177	275.423	277.380	278.542
22.5	111.152	109.988	108.869	107.072	116.324	130.865	142.973	152.763	160.015	164.089
25.0	85.530	85.166	84.102	82.144	79.549	76.678	74.129	71.578	76.342	85.028
27.5	62.005	61.991	61.327	60.046	58.379	56.728	55.079	53.244	51.512	50.060
30.0	39.599	40.845	41.244	41.224	40.899	40.227	39.722	39.048	38.356	37.631
32.5	25.391	24.827	24.139	25.531	26.581	27.384	27.897	28.333	28.309	28.329
35.0	22.183	21.623	20.860	19.984	19.397	18.864	18.760	19.937	20.714	21.225
37.5	19.084	18.548	17.811	17.263	16.840	16.463	16.148	15.811	15.494	15.759
40.0	16.137	15.672	15.171	14.857	14.540	14.337	14.101	13.868	13.596	13.367
42.5	13.350	13.036	12.817	12.658	12.537	12.436	12.298	12.136	11.993	11.880
45.0	10.751	10.678	10.676	10.692	10.731	10.736	10.710	10.677	10.645	10.607
47.5	8.856	8.831	8.876	8.927	9.098	9.254	9.362	9.404	9.448	9.468
50.0	7.945	7.860	7.856	7.875	7.899	8.071	8.172	8.289	8.388	8.470
52.5	7.141	7.125	7.164	7.209	7.282	7.348	7.386	7.395	7.488	7.555
55.0	6.370	6.412	6.500	6.570	6.647	6.715	6.756	6.782	6.804	6.822
57.5	5.636	5.726	5.848	5.958	6.047	6.102	6.148	6.186	6.169	6.184
60.0	4.919	5.075	5.214	5.335	5.441	5.491	5.555	5.552	5.535	5.549
62.5	4.297	4.472	4.602	4.728	4.842	4.901	4.972	4.931	4.913	4.927
65.0	3.781	3.969	4.078	4.186	4.270	4.347	4.379	4.302	4.299	4.297
67.5	3.290	3.452	3.545	3.643	3.722	3.805	3.800	3.706	3.687	3.681
70.0	2.793	2.928	3.011	3.097	3.179	3.266	3.221	3.115	3.088	3.119
72.5	2.414	2.493	2.535	2.585	2.647	2.731	2.650	2.523	2.519	2.588
75.0	2.110	2.170	2.205	2.245	2.297	2.326	2.204	2.046	2.031	2.096
77.5	1.799	1.840	1.875	1.908	1.953	1.956	1.846	1.715	1.725	1.792
80.0	1.484	1.513	1.538	1.568	1.601	1.591	1.487	1.400	1.424	1.489
82.5	1.167	1.187	1.199	1.227	1.251	1.232	1.148	1.089	1.121	1.176
85.0	0.843	0.855	0.866	0.880	0.896	0.880	0.812	0.791	0.807	0.851
87.5	0.520	0.526	0.523	0.530	0.538	0.534	0.499	0.487	0.497	0.521
90.0	0.199	0.199	0.189	0.189	0.189	0.189	0.189	0.189	0.189	0.189

**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	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
2.5	1574.329	1582.620	1590.936	1599.261	1605.164	1614.187	1621.558	1628.935	1636.303	1643.646
5.0	1523.034	1534.279	1545.876	1557.803	1568.802	1578.579	1589.184	1600.117	1611.359	1617.948
7.5	1372.848	1389.180	1406.513	1424.815	1441.582	1458.385	1469.634	1480.444	1492.104	1504.596
10.0	1135.827	1154.840	1177.751	1202.080	1220.051	1235.201	1251.724	1269.622	1292.539	1302.320
12.5	851.646	872.768	893.067	914.319	934.850	955.437	976.996	1002.288	1008.282	1022.000
15.0	605.875	606.132	613.472	631.539	648.889	665.551	682.022	698.946	716.028	731.294
17.5	426.146	423.160	420.022	416.515	411.798	417.602	436.508	441.367	451.707	462.688
20.0	278.271	275.497	270.804	264.534	258.616	253.355	248.345	252.635	263.907	267.018
22.5	165.128	164.585	163.927	160.709	157.251	152.815	148.757	144.470	140.669	147.725
25.0	90.822	94.072	94.951	94.613	93.213	91.537	89.946	87.916	86.310	84.394
27.5	48.911	52.212	55.591	57.358	57.872	57.567	57.145	56.376	55.908	55.450
30.0	36.960	36.437	35.908	37.094	38.405	39.076	39.363	39.371	39.241	39.290
32.5	28.282	28.118	27.996	27.904	27.709	28.415	28.863	29.071	29.127	29.197
35.0	21.563	21.874	22.071	22.130	22.041	21.882	21.931	22.016	22.233	22.338
37.5	16.480	17.012	17.387	17.590	17.605	17.480	17.289	17.188	17.333	17.481
40.0	13.204	13.403	13.946	14.250	14.365	14.323	14.205	14.072	14.051	14.233
42.5	11.799	11.733	11.695	11.914	12.099	12.154	12.149	12.129	12.102	12.147
45.0	10.572	10.570	10.555	10.545	10.563	10.683	10.726	10.750	10.745	10.753
47.5	9.504	9.519	9.532	9.546	9.566	9.596	9.642	9.674	9.692	9.696
50.0	8.532	8.579	8.618	8.645	8.685	8.710	8.775	8.828	8.854	8.871



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBXWSECL.IES**

**CANDELA TABULATION - (Cont.)**

<b>52.5</b>	7.652	7.728	7.781	7.835	7.860	7.920	7.990	8.079	8.147	8.168
<b>55.0</b>	6.881	6.941	7.026	7.056	7.115	7.171	7.230	7.333	7.457	7.520
<b>57.5</b>	6.215	6.278	6.288	6.352	6.386	6.425	6.500	6.577	6.702	6.836
<b>60.0</b>	5.595	5.598	5.627	5.649	5.668	5.708	5.762	5.847	5.944	6.061
<b>62.5</b>	4.948	4.943	4.960	4.973	4.991	4.987	5.041	5.117	5.210	5.340
<b>65.0</b>	4.296	4.303	4.314	4.324	4.353	4.374	4.394	4.432	4.534	4.670
<b>67.5</b>	3.664	3.655	3.683	3.713	3.752	3.804	3.826	3.879	3.949	4.064
<b>70.0</b>	3.132	3.138	3.096	3.124	3.200	3.273	3.316	3.376	3.442	3.502
<b>72.5</b>	2.681	2.731	2.694	2.668	2.713	2.782	2.842	2.885	2.927	2.967
<b>75.0</b>	2.299	2.339	2.267	2.222	2.233	2.280	2.335	2.383	2.432	2.449
<b>77.5</b>	1.951	1.966	1.847	1.768	1.754	1.751	1.780	1.854	1.922	2.001
<b>80.0</b>	1.599	1.574	1.478	1.418	1.373	1.308	1.276	1.345	1.400	1.479
<b>82.5</b>	1.245	1.213	1.146	1.087	1.059	1.019	0.993	1.018	1.020	1.011
<b>85.0</b>	0.888	0.859	0.820	0.777	0.757	0.728	0.719	0.733	0.730	0.732
<b>87.5</b>	0.531	0.515	0.498	0.481	0.463	0.451	0.443	0.448	0.446	0.452
<b>90.0</b>	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179

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

	<u><b>250.0</b></u>	<u><b>252.5</b></u>	<u><b>255.0</b></u>	<u><b>257.5</b></u>	<u><b>260.0</b></u>	<u><b>262.5</b></u>	<u><b>265.0</b></u>	<u><b>267.5</b></u>	<u><b>270.0</b></u>	<u><b>272.5</b></u>
<b>0.0</b>	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
<b>2.5</b>	1650.950	1658.198	1665.375	1672.466	1679.455	1686.326	1693.065	1699.657	1706.087	1703.083
<b>5.0</b>	1634.680	1646.716	1658.971	1671.423	1684.048	1696.821	1709.718	1722.715	1735.787	1729.984
<b>7.5</b>	1519.727	1529.702	1540.322	1557.620	1573.009	1589.321	1606.535	1624.623	1643.560	1635.466
<b>10.0</b>	1311.837	1323.004	1335.841	1350.370	1366.608	1384.575	1404.286	1425.754	1448.989	1439.417
<b>12.5</b>	1037.278	1050.687	1066.673	1069.319	1082.005	1097.272	1115.231	1135.990	1159.653	1151.024
<b>15.0</b>	748.265	751.342	762.076	768.869	776.909	787.663	801.405	818.416	838.974	832.575
<b>17.5</b>	475.017	482.065	488.683	500.575	502.257	510.021	520.367	533.658	550.255	545.218
<b>20.0</b>	275.945	284.206	287.149	291.771	296.126	300.474	307.160	316.401	328.410	324.280
<b>22.5</b>	154.068	156.434	160.175	161.443	164.177	166.179	169.054	173.312	179.204	177.753
<b>25.0</b>	87.050	89.103	92.591	93.371	94.522	95.419	96.234	97.918	100.674	100.156
<b>27.5</b>	55.191	56.234	57.455	58.449	59.439	59.930	60.516	61.532	63.068	62.807
<b>30.0</b>	39.352	39.487	39.939	40.517	41.135	41.505	41.759	42.224	43.044	42.920
<b>32.5</b>	29.293	29.454	29.712	30.021	30.380	30.665	30.903	31.195	31.716	31.622
<b>35.0</b>	22.496	22.643	22.835	23.061	23.266	23.572	23.781	23.946	24.278	24.159
<b>37.5</b>	17.607	17.747	17.874	18.021	18.212	18.470	18.625	18.667	18.876	18.828
<b>40.0</b>	14.336	14.431	14.520	14.608	14.765	14.956	15.056	15.101	15.243	15.171
<b>42.5</b>	12.239	12.316	12.423	12.558	12.691	12.832	12.913	13.010	13.159	13.004
<b>45.0</b>	10.806	10.895	11.033	11.150	11.321	11.378	11.441	11.504	11.602	11.482
<b>47.5</b>	9.724	9.810	9.928	10.066	10.205	10.255	10.286	10.326	10.403	10.309
<b>50.0</b>	8.905	8.947	9.056	9.173	9.313	9.404	9.388	9.440	9.542	9.415
<b>52.5</b>	8.200	8.249	8.358	8.465	8.596	8.725	8.685	8.671	8.711	8.607
<b>55.0</b>	7.553	7.623	7.733	7.817	7.909	8.010	7.937	7.917	7.990	7.852
<b>57.5</b>	6.899	6.963	7.029	7.051	7.087	7.172	7.167	7.118	7.149	7.023
<b>60.0</b>	6.202	6.237	6.269	6.307	6.350	6.404	6.413	6.332	6.368	6.260
<b>62.5</b>	5.459	5.567	5.569	5.576	5.610	5.653	5.731	5.613	5.637	5.577
<b>65.0</b>	4.769	4.854	4.934	4.915	4.945	4.996	5.052	4.945	4.965	4.942
<b>67.5</b>	4.135	4.199	4.268	4.331	4.346	4.365	4.408	4.322	4.373	4.425
<b>70.0</b>	3.549	3.585	3.654	3.765	3.753	3.744	3.773	3.728	3.811	3.855
<b>72.5</b>	2.981	2.998	3.073	3.167	3.256	3.204	3.205	3.234	3.314	3.338
<b>75.0</b>	2.469	2.497	2.527	2.630	2.729	2.695	2.627	2.734	2.846	2.879
<b>77.5</b>	2.028	2.051	2.079	2.118	2.186	2.269	2.164	2.276	2.369	2.394
<b>80.0</b>	1.568	1.637	1.644	1.659	1.714	1.750	1.802	1.802	1.881	1.901
<b>82.5</b>	1.042	1.111	1.178	1.232	1.243	1.200	1.307	1.286	1.364	1.318
<b>85.0</b>	0.717	0.727	0.718	0.770	0.849	0.875	0.809	0.900	0.905	0.901
<b>87.5</b>	0.444	0.447	0.441	0.455	0.459	0.475	0.535	0.442	0.592	0.546

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : BBXWSECL.IES

CANDELA TABULATION - (Cont.)

90.0	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.109	0.050	0.871
<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<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	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
2.5	1699.909	1696.572	1693.081	1689.442	1685.665	1681.755	1677.724	1673.578	1669.326	1664.978
5.0	1724.238	1718.557	1712.948	1707.416	1701.971	1696.617	1691.364	1686.216	1681.183	1676.270
7.5	1628.199	1621.768	1616.178	1611.432	1607.534	1604.482	1604.805	1599.765	1597.169	1595.197
10.0	1431.612	1425.564	1421.260	1418.683	1417.813	1418.628	1421.102	1425.208	1426.857	1413.470
12.5	1145.332	1142.506	1142.470	1145.144	1158.371	1157.854	1157.431	1153.678	1151.818	1158.767
15.0	829.830	830.611	834.626	841.815	851.960	851.402	860.877	855.671	849.938	841.782
17.5	543.734	545.684	550.939	566.645	562.310	567.069	571.344	567.016	563.317	560.191
20.0	323.093	324.807	329.374	332.512	334.522	338.329	335.045	334.703	337.548	336.306
22.5	178.280	180.240	183.532	184.729	187.807	186.797	189.209	185.813	185.545	190.153
25.0	100.808	102.527	103.934	104.973	106.227	104.696	105.009	104.801	107.745	110.217
27.5	63.120	63.969	64.623	64.663	64.550	64.365	64.927	65.282	66.318	67.444
30.0	43.190	43.692	43.953	43.806	43.718	43.840	43.907	44.201	44.456	44.878
32.5	31.777	31.941	31.977	31.870	31.867	31.843	31.830	31.890	31.983	32.067
35.0	24.234	24.268	24.206	24.270	24.223	24.079	24.032	23.990	24.038	24.026
37.5	18.920	18.907	18.787	18.736	18.645	18.602	18.577	18.582	18.586	18.548
40.0	15.191	15.163	15.065	15.007	14.930	14.865	14.822	14.793	14.753	14.846
42.5	12.907	12.859	12.773	12.677	12.556	12.459	12.397	12.319	12.316	12.384
45.0	11.411	11.359	11.331	11.193	11.085	10.955	10.870	10.803	10.765	10.748
47.5	10.254	10.215	10.161	10.032	9.930	9.857	9.782	9.703	9.644	9.580
50.0	9.346	9.321	9.233	9.107	9.011	8.930	8.881	8.831	8.770	8.691
52.5	8.569	8.591	8.474	8.368	8.288	8.189	8.107	8.046	8.001	7.989
55.0	7.805	7.837	7.772	7.695	7.627	7.532	7.466	7.397	7.343	7.357
57.5	7.027	7.032	7.010	7.039	6.997	6.903	6.839	6.791	6.742	6.727
60.0	6.301	6.300	6.282	6.296	6.266	6.255	6.204	6.143	6.112	6.114
62.5	5.734	5.646	5.593	5.609	5.616	5.650	5.549	5.497	5.464	5.481
65.0	5.167	5.029	4.964	4.973	5.048	4.977	4.910	4.851	4.833	4.848
67.5	4.597	4.457	4.398	4.428	4.423	4.352	4.311	4.260	4.243	4.320
70.0	3.922	3.849	3.852	3.874	3.818	3.775	3.750	3.758	3.814	3.857
72.5	3.331	3.323	3.366	3.306	3.235	3.192	3.259	3.346	3.434	3.482
75.0	2.779	2.838	2.843	2.783	2.727	2.762	2.821	2.934	3.065	3.145
77.5	2.290	2.405	2.348	2.285	2.339	2.395	2.476	2.547	2.618	2.656
80.0	1.914	1.902	1.890	1.943	2.017	2.079	2.116	2.151	2.184	2.182
82.5	1.414	1.385	1.551	1.657	1.685	1.695	1.735	1.796	1.837	1.838
85.0	0.971	1.205	1.328	1.321	1.347	1.376	1.439	1.493	1.521	1.526
87.5	0.950	1.060	1.102	1.112	1.128	1.147	1.172	1.199	1.220	1.225
90.0	0.945	0.945	0.945	0.930	0.925	0.925	0.925	0.925	0.925	0.925

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<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	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
2.5	1660.543	1656.029	1649.727	1646.547	1640.823	1635.007	1629.109	1623.142	1617.115	1611.042
5.0	1671.484	1666.833	1662.644	1657.290	1650.498	1643.769	1637.115	1630.550	1624.085	1617.087
7.5	1593.846	1594.339	1581.518	1571.521	1559.968	1549.186	1539.194	1531.277	1518.048	1505.635
10.0	1405.335	1398.609	1393.281	1383.756	1365.426	1348.694	1336.253	1316.178	1299.527	1286.774
12.5	1141.353	1127.170	1114.554	1102.480	1089.959	1078.847	1066.998	1054.767	1044.251	1031.164
15.0	834.191	826.264	818.813	811.409	803.969	800.888	799.615	803.229	795.240	795.423
17.5	564.797	554.635	555.150	559.755	563.624	567.679	567.527	567.635	566.680	567.156
20.0	341.445	349.408	355.837	361.736	366.863	370.773	372.775	372.521	369.741	365.297
22.5	196.447	202.470	209.146	215.769	223.000	223.138	222.322	218.746	212.554	202.568

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBXWSECL.IES**

**CANDELA TABULATION - (Cont.)**

25.0	113.488	116.934	119.219	121.588	122.411	121.721	118.577	110.764	98.104	91.446
27.5	68.839	69.663	70.226	69.782	67.612	63.023	58.775	61.074	63.899	66.558
30.0	45.103	44.958	44.402	42.808	41.250	42.123	43.063	44.202	45.687	47.187
32.5	31.982	31.584	30.836	31.101	31.474	31.830	32.165	32.412	32.590	32.920
35.0	23.908	23.829	24.043	24.237	24.240	24.156	23.984	23.706	23.153	22.257
37.5	18.654	18.770	18.844	18.793	18.642	18.348	17.866	17.121	16.880	17.296
40.0	14.969	15.046	15.023	14.833	14.481	13.940	13.934	14.299	14.658	15.063
42.5	12.428	12.417	12.280	11.988	11.776	11.998	12.263	12.568	12.822	13.074
45.0	10.721	10.641	10.434	10.517	10.655	10.821	10.955	11.127	11.296	11.413
47.5	9.527	9.474	9.582	9.666	9.765	9.855	9.936	9.991	10.036	10.024
50.0	8.662	8.752	8.858	8.942	9.016	9.076	9.105	9.082	9.018	8.906
52.5	8.035	8.110	8.206	8.305	8.367	8.411	8.417	8.363	8.273	8.177
55.0	7.414	7.495	7.607	7.720	7.799	7.826	7.843	7.850	7.867	7.854
57.5	6.779	6.888	7.012	7.157	7.250	7.288	7.317	7.394	7.489	7.519
60.0	6.155	6.261	6.406	6.519	6.631	6.704	6.776	6.873	7.044	7.162
62.5	5.535	5.621	5.733	5.863	5.965	6.085	6.214	6.329	6.531	6.767
65.0	4.921	4.999	5.084	5.195	5.338	5.456	5.600	5.780	5.987	6.318
67.5	4.366	4.430	4.502	4.589	4.718	4.835	4.984	5.178	5.299	5.488
70.0	3.893	3.915	3.955	4.024	4.112	4.243	4.350	4.467	4.543	4.648
72.5	3.483	3.467	3.494	3.577	3.631	3.689	3.758	3.809	3.847	3.863
75.0	3.094	3.062	3.108	3.236	3.207	3.188	3.227	3.217	3.239	3.256
77.5	2.636	2.636	2.696	2.893	2.838	2.763	2.787	2.817	2.847	2.859
80.0	2.171	2.230	2.318	2.457	2.468	2.398	2.403	2.428	2.454	2.467
82.5	1.854	1.880	1.948	2.031	2.090	2.032	2.027	2.044	2.068	2.075
85.0	1.540	1.554	1.596	1.647	1.706	1.666	1.655	1.673	1.683	1.694
87.5	1.225	1.233	1.254	1.280	1.312	1.293	1.285	1.296	1.299	1.305
90.0	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925	0.925

**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	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971	1567.971
2.5	1606.176	1598.797	1592.648	1586.496	1577.523	1573.500	1565.703	1557.910	1550.136	1542.396
5.0	1611.682	1591.653	1578.261	1565.276	1552.717	1539.371	1524.907	1510.888	1497.333	1480.462
7.5	1488.260	1470.760	1450.237	1430.628	1412.267	1392.929	1372.177	1352.714	1333.736	1312.842
10.0	1266.758	1249.576	1233.678	1213.710	1195.449	1176.330	1156.109	1137.591	1115.104	1094.445
12.5	1022.871	1011.866	1000.568	987.381	973.125	957.582	940.880	923.263	912.959	885.432
15.0	785.604	779.654	770.441	761.135	749.021	735.636	722.461	704.852	688.504	670.854
17.5	560.318	553.930	545.818	536.535	524.659	511.562	497.679	482.138	465.923	449.908
20.0	357.462	348.333	337.443	326.472	309.286	292.894	275.837	258.603	241.959	225.430
22.5	189.080	172.605	153.989	143.495	148.085	151.392	153.491	154.543	154.564	153.905
25.0	95.945	99.510	103.379	107.082	110.701	113.796	115.652	116.394	116.221	115.247
27.5	69.114	71.795	74.159	76.204	77.917	79.359	81.481	79.899	78.811	77.200
30.0	48.502	49.436	50.166	50.392	50.021	49.959	47.597	45.446	42.707	39.841
32.5	32.599	32.076	30.925	29.197	26.592	27.219	27.690	28.110	28.323	28.368
35.0	20.889	20.971	21.623	22.336	23.178	23.750	24.222	24.599	24.941	24.904
37.5	17.738	18.223	18.670	19.213	19.829	20.452	20.916	21.189	21.461	21.470
40.0	15.372	15.703	16.028	16.415	16.830	17.321	17.697	17.906	18.043	18.088
42.5	13.309	13.507	13.691	13.891	14.121	14.376	14.644	14.748	14.763	14.719
45.0	11.503	11.577	11.598	11.618	11.659	11.673	11.740	11.711	11.556	11.558
47.5	9.987	9.886	9.745	9.618	9.629	9.655	9.718	9.857	9.978	10.085
50.0	8.731	8.659	8.568	8.618	8.707	8.876	9.042	9.288	9.447	9.549
52.5	8.154	8.143	8.210	8.266	8.304	8.378	8.511	8.730	8.918	9.026
55.0	7.866	7.806	7.860	7.940	7.959	7.930	8.007	8.189	8.402	8.498
57.5	7.533	7.505	7.506	7.632	7.630	7.521	7.532	7.670	7.858	7.974
60.0	7.208	7.216	7.174	7.289	7.321	7.183	7.085	7.168	7.328	7.455

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBXWSECL.IES**

**CANDELA TABULATION - (Cont.)**

<b>62.5</b>	6.871	6.910	6.863	6.937	7.001	6.824	6.585	6.585	6.672	6.775
<b>65.0</b>	6.452	6.401	6.274	6.258	6.293	6.155	5.972	5.965	5.969	6.038
<b>67.5</b>	5.583	5.562	5.508	5.539	5.584	5.467	5.354	5.361	5.275	5.309
<b>70.0</b>	4.731	4.716	4.713	4.778	4.852	4.761	4.716	4.769	4.598	4.577
<b>72.5</b>	3.870	3.865	3.878	4.023	4.216	4.163	4.165	4.262	4.105	4.075
<b>75.0</b>	3.313	3.368	3.442	3.546	3.751	3.702	3.707	3.786	3.663	3.627
<b>77.5</b>	2.904	2.952	3.007	3.080	3.276	3.245	3.227	3.319	3.215	3.181
<b>80.0</b>	2.505	2.542	2.585	2.639	2.804	2.782	2.764	2.831	2.763	2.735
<b>82.5</b>	2.103	2.132	2.161	2.202	2.336	2.317	2.303	2.356	2.313	2.282
<b>85.0</b>	1.707	1.734	1.750	1.777	1.859	1.856	1.846	1.884	1.856	1.837
<b>87.5</b>	1.310	1.322	1.332	1.348	1.392	1.392	1.389	1.412	1.399	1.392
<b>90.0</b>	0.925	0.925	0.925	0.925	0.925	0.930	0.935	0.945	0.945	0.945

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

	<u><b>350.0</b></u>	<u><b>352.5</b></u>	<u><b>355.0</b></u>	<u><b>357.5</b></u>	<u><b>360.0</b></u>
<b>0.0</b>	1567.971	1567.971	1567.971	1567.971	1567.971
<b>2.5</b>	1534.704	1527.076	1519.525	1512.066	1504.713
<b>5.0</b>	1469.252	1453.251	1437.753	1422.777	1408.338
<b>7.5</b>	1293.252	1274.605	1252.621	1231.959	1212.607
<b>10.0</b>	1072.422	1050.395	1028.659	1005.327	983.757
<b>12.5</b>	865.592	844.301	821.340	801.059	779.707
<b>15.0</b>	652.240	634.027	614.257	594.711	575.657
<b>17.5</b>	434.257	417.592	401.544	386.214	371.608
<b>20.0</b>	210.571	197.263	185.595	175.598	167.558
<b>22.5</b>	151.704	148.651	144.529	139.283	133.417
<b>25.0</b>	113.564	111.067	107.825	103.596	99.276
<b>27.5</b>	75.271	73.048	70.591	67.908	65.135
<b>30.0</b>	37.177	34.859	33.021	31.765	30.994
<b>32.5</b>	28.391	28.386	28.233	27.995	27.589
<b>35.0</b>	24.888	24.859	24.737	24.531	24.189
<b>37.5</b>	21.426	21.352	21.237	21.060	20.788
<b>40.0</b>	17.968	17.860	17.731	17.582	17.383
<b>42.5</b>	14.633	14.382	14.224	14.095	13.985
<b>45.0</b>	11.484	11.356	11.256	11.184	11.149
<b>47.5</b>	10.148	10.112	10.084	10.046	10.015
<b>50.0</b>	9.632	9.610	9.574	9.514	9.453
<b>52.5</b>	9.127	9.111	9.065	8.994	8.893
<b>55.0</b>	8.576	8.603	8.563	8.468	8.328
<b>57.5</b>	8.045	8.098	8.057	7.950	7.764
<b>60.0</b>	7.518	7.595	7.551	7.434	7.204
<b>62.5</b>	6.824	6.889	6.847	6.751	6.523
<b>65.0</b>	6.110	6.164	6.139	6.065	5.851
<b>67.5</b>	5.385	5.439	5.426	5.382	5.172
<b>70.0</b>	4.667	4.722	4.713	4.691	4.497
<b>72.5</b>	4.168	4.228	4.234	4.219	4.052
<b>75.0</b>	3.704	3.758	3.765	3.754	3.612
<b>77.5</b>	3.243	3.289	3.296	3.281	3.165
<b>80.0</b>	2.778	2.814	2.823	2.818	2.716
<b>82.5</b>	2.321	2.348	2.359	2.347	2.279
<b>85.0</b>	1.861	1.879	1.885	1.882	1.831
<b>87.5</b>	1.400	1.411	1.417	1.408	1.390
<b>90.0</b>	0.945	0.945	0.945	0.945	0.945

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBXWSECL.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	248.20	78.60	78.30
0-30	284.73	90.10	89.80
0-40	297.00	94.00	93.70
0-60	309.90	98.10	97.80
0-80	315.95	100.00	99.70
0-90	316.98	100.40	100.00
10-90	202.39	64.10	63.80
20-40	48.80	15.40	15.40
20-50	56.24	17.80	17.70
40-70	16.71	5.30	5.30
60-80	6.05	1.90	1.90
70-80	2.24	0.70	0.70
80-90	1.03	0.30	0.30
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	316.98	100.40	100.00

Total Luminaire Efficiency = 100.40%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	114.59
10-20	133.60
20-30	36.54
30-40	12.27
40-50	7.43
50-60	5.47
60-70	3.81
70-80	2.24
80-90	1.03
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBXWSECL.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	117	117	117	117	112	112	112	107	107	107	102	102	102	100
1	115	113	111	109	113	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	95	96	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	88
4	103	98	93	90	102	97	93	90	94	91	89	93	90	88	91	89	87	85
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83
6	97	91	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80
7	94	88	83	80	93	87	83	80	86	82	79	85	81	79	84	81	79	78
8	92	85	80	77	91	84	80	77	83	80	77	82	79	77	82	79	76	75
9	89	82	78	75	88	82	78	75	81	77	75	80	77	75	80	77	74	73
10	87	80	76	73	86	80	76	73	79	75	73	78	75	73	78	75	73	72

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBXWSECL.IES**

**UGR TABLE - CORRECTED**

Reflectances

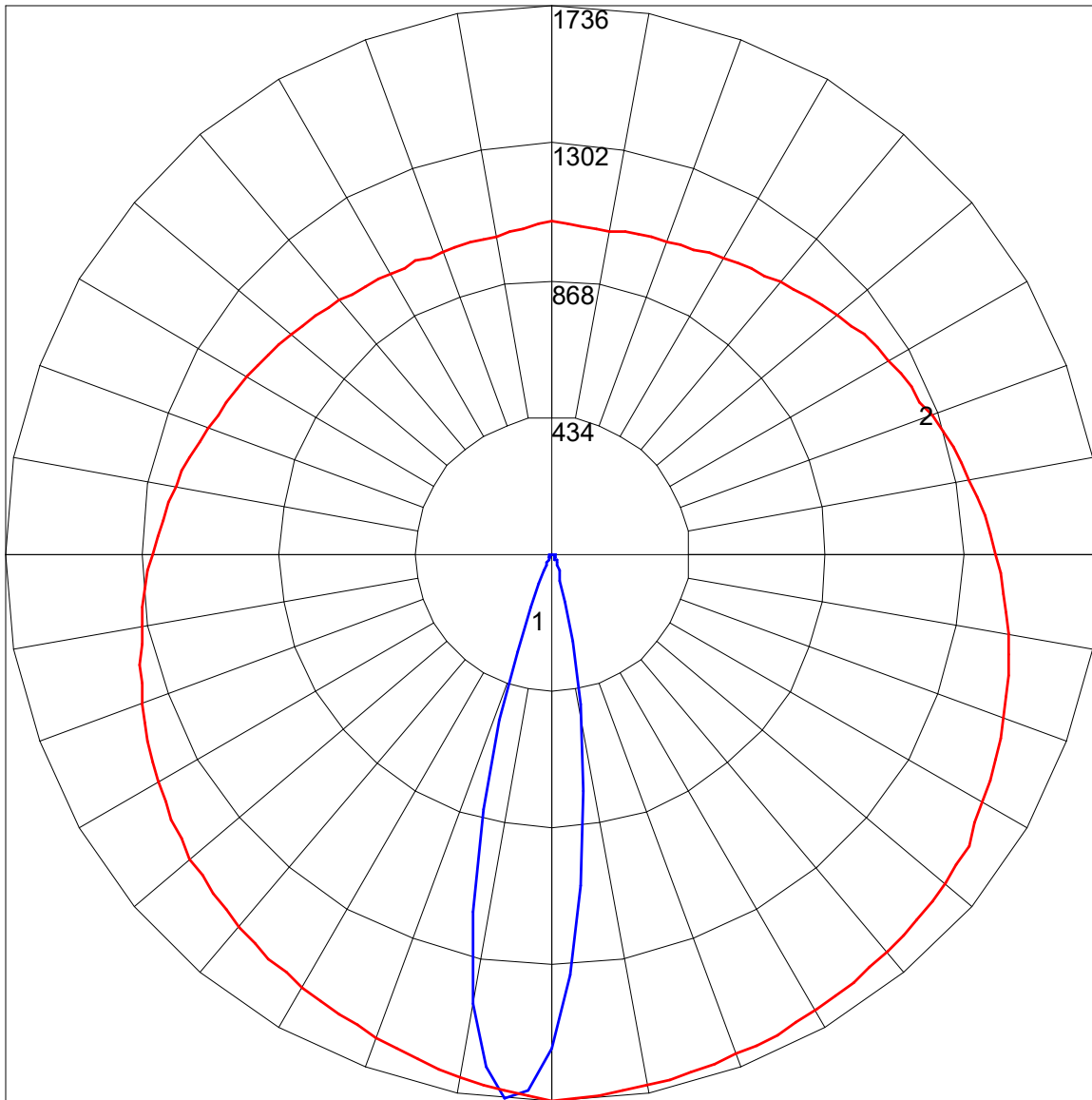
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size      UGR Viewed Crosswise

X=2H	Y=2H	10.9	12.1	11.3	12.4	12.7	2.1	3.3	2.5	3.6	3.9
	3H	13.0	14.0	13.4	14.4	14.7	4.0	5.0	4.4	5.3	5.7
	4H	13.9	14.9	14.3	15.2	15.6	5.1	6.0	5.5	6.4	6.8
	6H	14.8	15.7	15.2	16.1	16.5	6.4	7.3	6.8	7.7	8.1
	8H	15.3	16.1	15.7	16.5	16.9	7.3	8.1	7.7	8.5	8.9
	12H	15.7	16.5	16.1	16.9	17.3	8.2	9.1	8.7	9.4	9.9
4H	2H	11.1	12.1	11.5	12.4	12.8	5.1	6.1	5.5	6.5	6.9
	3H	13.4	14.2	13.8	14.6	15.0	7.0	7.9	7.5	8.3	8.7
	4H	14.6	15.3	15.0	15.7	16.2	8.1	8.8	8.5	9.2	9.7
	6H	15.7	16.4	16.2	16.8	17.3	9.3	9.9	9.7	10.4	10.8
	8H	16.3	16.9	16.8	17.3	17.8	10.0	10.6	10.5	11.0	11.5
	12H	16.8	17.4	17.3	17.9	18.3	10.9	11.4	11.4	11.9	12.4
8H	4H	14.7	15.3	15.2	15.8	16.2	9.6	10.2	10.1	10.7	11.1
	6H	16.1	16.6	16.6	17.1	17.6	11.0	11.5	11.5	12.0	12.5
	8H	16.8	17.3	17.3	17.8	18.3	11.8	12.3	12.3	12.8	13.3
	12H	17.6	18.0	18.1	18.5	19.1	12.8	13.2	13.3	13.7	14.3
12H	4H	14.7	15.2	15.2	15.7	16.2	10.0	10.5	10.5	11.0	11.5
	6H	16.1	16.6	16.7	17.1	17.6	11.5	12.0	12.1	12.4	13.0
	8H	16.9	17.3	17.5	17.8	18.4	12.5	12.9	13.0	13.4	13.9

Maximum UGR = 19.1

POLAR GRAPH



Maximum Candela = 1735.787 Located At Horizontal Angle = 270, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)