



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MC-LED35-HO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L051410001R01
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 7/24/2014
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] MC-LED35-HO-04
 [LUMINAIRE] 6"L. X 48-1/4"W. X 2-1/2"H. LED COVE LIGHT
 [MORE] FROSTED LENS
 [BALLASTCAT] OSRAM OPTOTRONIC OT30W/PRG1050C/UNV/DIM/L
 [BALLAST] INPUT: 120-277VAC,
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC, 48W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4691
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	48
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.17 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	40364	18192	507

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	112.582	111.537	109.599	107.890	104.040	98.787	90.550	79.840	67.218	53.091
85.0	221.340	219.402	215.551	211.701	203.770	192.423	175.516	153.484	128.010	99.756
87.5	585.021	582.114	576.019	568.522	555.033	535.882	509.439	477.232	437.962	390.966
90.0	948.676	944.826	936.487	925.344	906.295	879.342	843.361	800.980	747.915	682.201
92.5	1455.565	1449.573	1433.941	1409.436	1371.645	1323.705	1269.339	1198.602	1110.627	1004.674
95.0	1962.454	1954.320	1931.395	1893.528	1837.020	1768.093	1695.316	1596.198	1473.339	1327.122
97.5	2428.441	2417.961	2390.013	2344.750	2283.321	2201.644	2102.118	1967.580	1796.985	1587.426
100.0	2894.428	2881.602	2848.630	2795.973	2729.622	2635.221	2508.919	2338.962	2120.631	1847.704
102.5	3085.806	3074.662	3043.195	2991.175	2916.690	2809.870	2674.593	2481.532	2230.663	1916.427
105.0	3123.903	3114.697	3087.285	3037.203	2954.379	2833.866	2671.609	2445.985	2166.658	1843.216
107.5	3091.798	3080.221	3045.133	2982.403	2888.232	2743.519	2579.784	2360.790	2066.698	1768.501
110.0	3029.706	3014.737	2967.205	2885.019	2750.812	2640.780	2440.426	2197.692	1941.034	1678.818
112.5	2868.750	2849.472	2793.831	2703.076	2578.483	2472.531	2276.461	2058.972	1829.523	1600.915
115.0	2679.514	2664.112	2614.872	2535.465	2422.015	2283.729	2133.049	1947.460	1744.327	1525.996
117.5	2510.857	2494.792	2449.198	2375.784	2273.044	2153.169	2014.041	1854.997	1667.904	1456.432
120.0	2366.145	2351.380	2312.212	2250.120	2166.658	2057.263	1932.900	1771.944	1585.080	1391.560
122.5	2254.837	2242.648	2208.810	2154.010	2073.966	1971.430	1841.508	1686.952	1512.711	1332.706
125.0	2163.216	2151.664	2119.993	2066.469	1985.991	1877.896	1752.232	1606.474	1443.147	1279.182
127.5	2068.611	2057.059	2021.946	1965.438	1885.597	1782.424	1666.629	1529.617	1382.992	1231.879
130.0	1959.445	1951.311	1918.569	1864.407	1787.779	1696.387	1585.921	1460.691	1320.721	1189.932
132.5	1852.855	1847.067	1818.813	1770.873	1700.238	1610.121	1506.948	1390.489	1267.401	1149.897

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CANDELA TABULATION - (Cont.)

135.0	1752.232	1746.036	1717.578	1670.479	1604.766	1521.712	1429.249	1322.430	1216.681	1109.862
137.5	1645.209	1637.737	1612.467	1569.219	1508.223	1433.304	1348.542	1257.150	1162.315	1069.852
140.0	1546.320	1537.981	1513.782	1474.180	1418.743	1351.525	1280.482	1199.775	1115.217	1029.817
142.5	1440.571	1433.508	1412.113	1378.071	1331.202	1275.331	1212.193	1140.691	1064.497	993.429
145.0	1340.841	1335.052	1316.871	1288.617	1247.715	1197.837	1142.400	1081.608	1020.612	962.395
147.5	1267.095	1262.173	1246.593	1222.419	1187.509	1145.077	1097.622	1045.449	992.664	941.460
150.0	1193.349	1189.294	1176.340	1156.221	1127.304	1092.318	1052.818	1009.264	964.741	920.550
152.5	1119.603	1116.390	1106.062	1090.023	1067.124	1039.558	1008.040	973.080	936.819	899.614
155.0	1045.857	1043.511	1035.810	1023.825	1006.918	986.799	963.237	936.921	908.871	878.704
157.5	1001.997	999.957	993.429	983.254	968.923	952.017	932.203	909.789	885.819	860.013
160.0	958.111	956.403	951.048	942.684	930.928	917.209	901.170	882.657	862.741	841.347
162.5	914.226	912.823	908.667	902.139	892.933	882.427	870.136	855.525	839.689	822.655
165.0	870.340	869.269	866.286	861.568	854.938	847.645	839.103	828.393	816.612	803.989
167.5	839.944	839.103	836.680	832.881	827.577	821.584	814.648	805.978	796.390	786.216
170.0	809.548	808.911	807.100	804.193	800.241	795.523	790.194	783.538	776.169	768.442
172.5	779.152	778.719	777.495	775.506	772.905	769.462	765.714	761.124	755.922	750.694
175.0	748.756	748.552	747.915	746.844	745.543	743.401	741.259	738.709	735.700	732.921
177.5	714.892	714.765	714.459	713.923	713.286	712.215	711.144	709.843	708.364	706.962
180.0	680.850	680.850	680.850	680.850	680.850	680.850	680.850	680.850	680.850	680.850

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

82.5	38.734	24.301	14.560	10.276	6.324	4.080	3.009	2.473	2.881	6.757
85.0	71.502	43.452	24.607	16.473	9.639	5.992	3.417	2.142	2.779	6.859
87.5	334.789	268.540	206.448	158.508	108.094	57.579	29.758	12.622	4.717	5.457
90.0	598.077	493.603	388.288	300.543	206.575	109.165	56.074	23.128	6.630	4.080
92.5	866.056	678.453	542.844	406.393	274.839	166.540	93.865	49.342	23.001	13.158
95.0	1134.061	863.277	697.399	512.244	343.128	223.890	131.656	75.556	39.397	22.261
97.5	1327.351	1024.131	779.382	570.460	389.359	260.406	173.808	105.417	65.076	42.916
100.0	1520.641	1185.010	861.364	628.677	435.591	296.896	215.985	135.277	90.754	63.571
102.5	1557.030	1223.949	873.987	653.718	465.145	325.788	230.112	165.469	120.079	89.683
105.0	1519.341	1187.560	876.333	663.994	487.840	351.466	263.721	200.991	154.989	121.150
107.5	1465.408	1179.426	867.765	672.996	510.306	388.722	297.534	235.237	185.589	149.838
110.0	1412.547	1141.966	859.630	674.475	526.371	410.116	325.584	261.145	215.755	180.667
112.5	1347.037	1096.372	853.867	683.910	546.898	436.662	352.767	291.337	245.310	209.992
115.0	1289.254	1066.639	841.219	685.389	558.883	457.444	378.649	317.653	274.201	239.317
117.5	1243.431	1034.305	839.944	691.177	574.311	475.422	403.053	344.199	301.384	268.005
120.0	1190.136	1010.335	838.669	697.603	587.163	497.887	424.243	370.311	330.072	294.958
122.5	1156.527	992.791	842.953	702.958	599.148	515.023	448.443	395.148	355.342	323.212
125.0	1117.996	974.380	838.669	708.313	614.346	535.143	469.429	420.826	382.092	348.687
127.5	1090.176	962.395	831.606	707.446	623.755	551.820	488.682	442.450	406.495	374.161
130.0	1065.339	945.055	828.597	711.093	634.465	565.743	510.306	465.349	428.961	399.636
132.5	1034.943	922.998	821.533	717.723	644.946	582.879	529.558	486.769	452.931	422.331
135.0	1005.618	905.020	814.699	719.431	653.947	596.776	546.057	506.022	474.121	444.796
137.5	975.451	886.176	808.477	720.298	660.781	607.053	562.963	523.795	492.532	465.579
140.0	948.906	872.278	808.477	725.653	669.553	620.746	579.232	544.119	513.723	486.540
142.5	924.502	862.002	804.831	740.188	677.050	633.165	594.430	561.459	532.771	506.889
145.0	905.454	853.434	800.572	741.489	683.910	644.946	608.557	577.728	550.545	524.866
147.5	890.893	843.897	796.594	744.804	689.724	653.871	620.389	591.753	566.661	542.512
150.0	876.333	834.385	792.642	748.119	695.563	662.821	632.221	605.778	582.751	560.184
152.5	861.772	824.848	788.689	751.434	701.403	671.746	644.028	619.803	598.867	577.830
155.0	847.237	815.337	784.711	754.749	707.242	680.697	655.860	633.802	614.983	595.501
157.5	833.034	805.596	778.897	752.454	713.005	689.035	666.340	646.068	628.473	605.829
160.0	818.856	795.855	773.058	750.159	718.794	697.399	676.846	658.333	641.937	616.156
162.5	804.678	786.114	767.218	747.864	724.582	705.738	687.327	670.573	655.426	626.484
165.0	790.500	776.373	761.379	745.543	730.345	714.076	697.807	682.839	668.916	636.811
167.5	775.251	763.852	751.714	738.913	726.444	712.954	699.210	686.205	674.067	646.935
170.0	760.002	751.332	742.024	732.283	722.542	711.832	700.587	689.571	679.192	657.033
172.5	744.753	738.811	732.334	725.653	718.641	710.710	701.989	692.937	684.343	667.156
175.0	729.504	726.291	722.644	718.998	714.739	709.588	703.392	696.328	689.469	677.254
177.5	705.253	703.647	701.811	700.000	697.858	695.308	692.197	688.653	685.236	679.141
180.0	680.850	680.850	680.850	680.850	680.850	680.850	680.850	680.850	680.850	680.850

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	11.143	16.167	20.119	23.001	26.341	28.891	31.365	33.507	35.547	37.255
85.0	10.276	14.331	16.473	17.977	20.119	22.261	24.837	27.183	29.325	31.263
87.5	7.497	10.276	12.087	13.693	15.631	17.671	19.915	22.057	24.072	25.806
90.0	4.717	6.196	7.701	9.409	11.143	13.056	14.994	16.906	18.844	20.349
92.5	9.945	9.103	9.409	9.001	10.276	11.781	13.285	14.764	16.371	17.773
95.0	15.198	11.985	11.143	8.568	9.409	10.480	11.551	12.622	13.923	15.198
97.5	30.600	22.363	19.380	16.269	14.994	13.923	11.883	12.622	13.489	14.458
100.0	46.027	32.742	27.616	23.970	20.553	17.340	12.214	12.622	13.056	13.693
102.5	68.059	50.949	39.601	34.476	31.671	26.112	21.624	16.473	13.489	13.923
105.0	96.313	76.627	59.287	47.736	42.381	40.876	36.592	29.325	23.970	18.844
107.5	123.088	101.031	82.849	65.076	53.295	48.373	47.302	44.523	40.035	33.813
110.0	152.184	128.214	107.890	89.250	70.201	58.012	53.932	53.524	52.224	49.674
112.5	180.030	155.626	134.002	115.158	96.109	76.194	62.500	59.517	59.287	59.083
115.0	208.921	182.809	160.981	140.632	122.017	102.969	82.620	68.926	65.280	64.438
117.5	240.159	212.134	188.572	168.453	148.767	129.514	109.395	89.913	77.265	71.502
120.0	265.863	241.230	216.418	195.432	175.950	157.539	137.215	117.937	101.031	87.133
122.5	293.887	267.571	243.372	222.844	202.495	183.880	164.832	145.987	130.152	115.158
125.0	319.999	294.958	270.784	250.027	229.678	211.063	192.448	174.879	159.477	145.350
127.5	345.907	320.433	297.738	277.210	256.020	237.609	219.631	202.495	187.731	174.445
130.0	371.382	346.978	323.875	303.526	282.132	263.083	245.106	229.678	214.914	202.495
132.5	394.918	372.019	349.987	328.797	309.519	290.037	270.988	254.949	241.893	229.908
135.0	418.480	395.352	374.799	354.475	334.560	315.307	296.896	280.627	267.571	256.428
137.5	440.512	418.251	398.361	378.241	358.122	339.711	321.937	305.031	292.179	281.494
140.0	462.136	440.512	421.260	402.415	382.092	364.114	347.208	330.709	317.653	307.377
142.5	482.919	461.703	443.521	425.110	405.195	387.447	371.586	356.821	343.128	332.418
145.0	502.809	481.848	464.278	447.372	427.686	410.779	394.714	381.862	369.673	357.459
147.5	521.500	501.891	484.576	466.803	448.647	432.862	417.511	405.042	393.745	382.729
150.0	540.166	521.959	504.849	486.234	469.633	454.971	440.308	428.221	417.843	408.000
152.5	558.832	542.028	525.121	505.639	490.620	477.079	463.105	451.375	441.915	433.245
155.0	577.524	562.096	545.419	525.070	511.581	499.188	485.902	474.555	465.987	458.515
157.5	589.177	574.744	559.699	542.155	529.890	518.823	507.246	497.250	489.600	482.842
160.0	600.856	587.367	573.979	559.215	548.199	538.458	528.615	519.945	513.187	507.195
162.5	612.510	599.989	588.285	576.300	566.482	558.093	549.958	542.614	536.800	531.547
165.0	624.189	612.612	602.565	593.359	584.791	577.728	571.302	565.309	560.388	555.900
167.5	636.607	623.857	614.652	606.798	599.505	593.512	588.004	582.930	578.646	574.795

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

170.0	649.000	635.103	626.739	620.211	614.218	609.297	604.707	600.525	596.878	593.691
172.5	661.419	646.348	638.851	633.649	628.957	625.081	621.409	618.145	615.136	612.561
175.0	673.837	657.568	650.938	647.088	643.671	640.866	638.086	635.740	633.394	631.456
177.5	677.433	669.298	665.983	664.045	662.337	660.934	659.557	658.384	657.186	656.242
180.0	680.850	680.850	680.850	680.850	680.850	680.850	680.850	680.850	680.850	680.850

Vert. Angles **Horizontal Angles**

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	38.964	40.672	41.641	42.610	43.146	43.452	43.681
85.0	32.742	34.476	35.547	36.388	37.026	37.663	38.530
87.5	27.285	29.019	30.294	31.263	31.900	32.436	32.742
90.0	21.828	23.536	25.041	26.112	26.749	27.183	26.979
92.5	19.150	20.451	21.624	22.593	23.230	23.664	23.536
95.0	16.473	17.340	18.207	19.048	19.686	20.119	20.119
97.5	15.402	16.167	17.008	17.671	18.207	18.411	18.615
100.0	14.331	14.994	15.835	16.269	16.702	16.702	17.136
102.5	14.127	14.560	14.994	15.402	15.835	15.835	15.835
105.0	15.631	15.198	14.994	15.198	15.631	15.402	15.402
107.5	27.616	22.695	19.048	16.473	16.269	16.065	15.835
110.0	46.231	42.177	38.097	34.476	32.104	30.192	29.529
112.5	58.012	56.304	54.366	52.224	51.153	49.878	49.674
115.0	65.076	65.076	64.438	63.571	63.367	62.934	62.500

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CANDELA TABULATION - (Cont.)

117.5	69.793	69.793	70.431	70.431	70.431	70.635	70.635
120.0	79.203	76.857	75.352	74.485	74.715	75.123	74.919
122.5	102.331	92.259	86.062	83.487	82.416	82.416	82.186
125.0	132.294	120.513	111.511	104.881	101.031	98.047	97.180
127.5	162.052	151.980	142.774	134.640	129.514	126.505	125.434
130.0	191.785	181.942	173.374	166.744	162.052	159.681	158.839
132.5	219.402	210.426	203.133	197.140	192.423	190.077	189.235
135.0	246.814	238.017	230.749	224.323	220.906	218.560	218.331
137.5	272.493	265.225	258.366	252.577	248.727	246.585	245.743
140.0	297.967	290.037	284.478	279.760	276.343	274.431	273.564
142.5	323.212	315.741	309.519	304.393	300.951	299.038	298.401
145.0	348.049	340.986	334.993	329.868	326.655	324.513	323.646
147.5	373.804	366.945	361.156	356.413	353.302	351.313	350.523
150.0	399.534	392.904	387.345	382.933	379.950	378.139	377.374
152.5	425.263	418.863	413.508	409.479	406.597	404.940	404.251
155.0	451.018	444.796	439.671	436.024	433.245	431.740	431.103
157.5	476.059	470.373	465.528	462.034	459.408	457.929	457.317
160.0	501.100	495.975	491.359	488.044	485.571	484.092	483.556
162.5	526.141	521.551	517.216	514.054	511.759	510.255	509.770
165.0	551.182	547.128	543.048	540.064	537.922	536.418	535.984
167.5	570.766	567.400	563.983	561.510	559.801	558.577	558.144
170.0	590.350	587.673	584.893	582.981	581.680	580.737	580.303
172.5	609.960	607.971	605.829	604.426	603.585	602.871	602.463
175.0	629.544	628.243	626.739	625.897	625.464	625.030	624.597
177.5	655.273	654.636	653.871	653.437	653.233	653.029	652.800
180.0	680.850	680.850	680.850	680.850	680.850	680.850	680.850

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	119.00	N.A.	2.50
10-90	119.00	N.A.	2.50
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	119.00	N.A.	2.50
90-110	1547.75	N.A.	33.00
90-120	2349.84	N.A.	50.10
90-130	3017.08	N.A.	64.30
90-150	3999.72	N.A.	85.30
90-180	4572.38	N.A.	97.50
110-180	3024.63	N.A.	64.50
0-180	4691.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	119.00
90-100	620.67
100-110	927.07
110-120	802.10
120-130	667.24
130-140	552.08
140-150	430.56
150-160	313.86
160-170	193.46
170-180	65.34

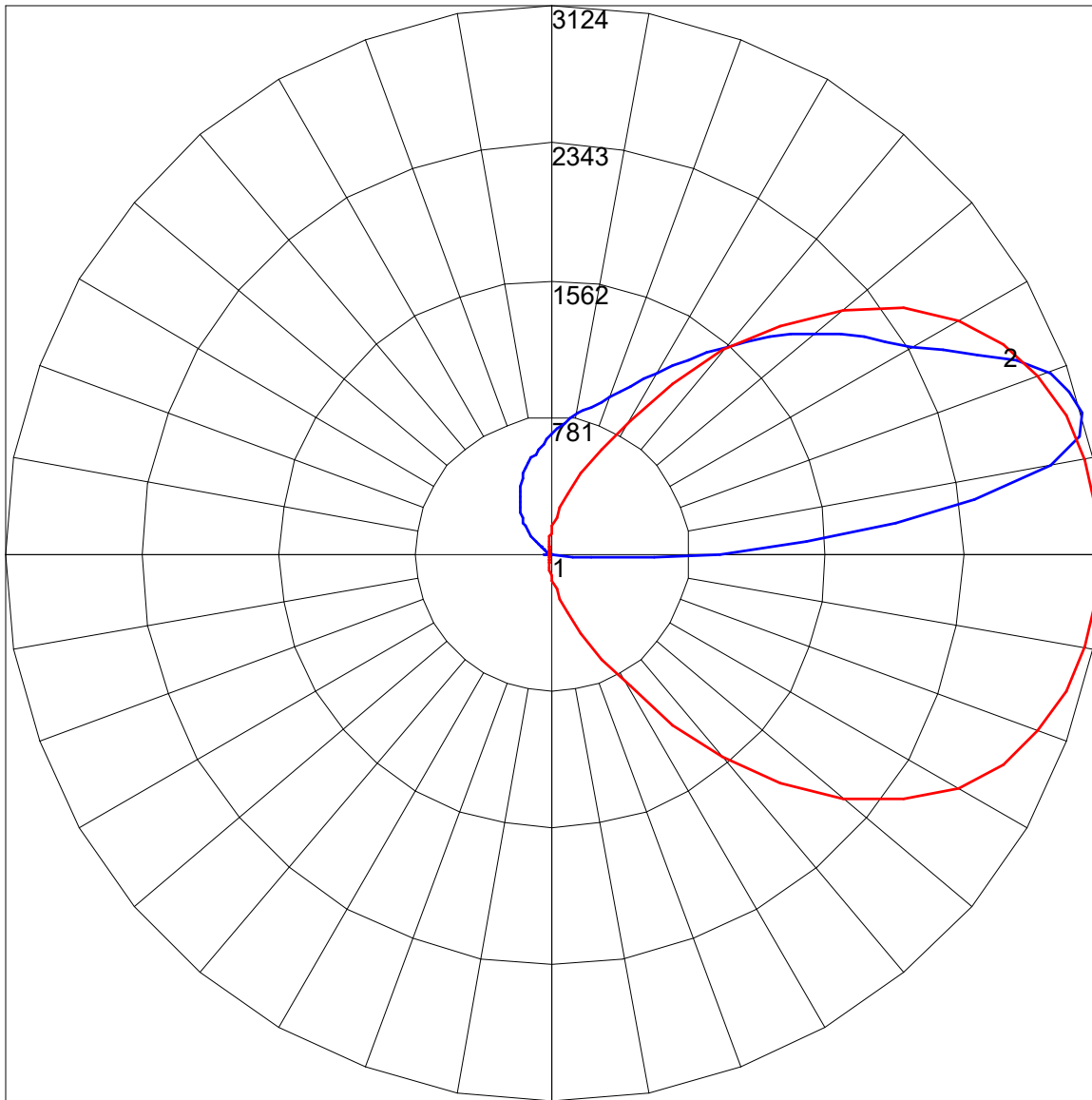
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	82	82	82	82	57	57	57	34	34	34	13	13	13	3
1	86	82	78	74	74	70	67	64	48	46	44	28	27	26	10	9	9	0
2	78	71	65	60	67	61	56	52	42	39	37	25	23	21	8	8	7	0
3	71	62	56	50	61	54	48	43	37	33	30	22	20	18	7	7	6	0
4	65	55	48	42	55	47	41	36	33	29	26	19	17	15	6	6	5	0
5	60	49	41	36	51	42	36	31	29	25	22	17	15	13	6	5	4	0
6	55	43	36	30	47	37	31	27	26	22	19	15	13	11	5	4	4	0
7	50	39	31	26	43	33	27	23	23	19	16	14	11	10	5	4	3	0
8	46	35	28	23	40	30	24	20	21	17	14	12	10	8	4	3	3	0
9	43	32	25	20	37	27	21	17	19	15	12	11	9	7	4	3	2	0
10	40	29	22	18	34	25	19	15	17	14	11	10	8	7	4	3	2	0

POLAR GRAPH



Maximum Candela = 3123.903 Located At Horizontal Angle = 0, Vertical Angle = 105
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (105) (Through Max. Cd.)