



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MC-LED35-LO.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-LO-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]
 [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, 19.07W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2042
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	19.07
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	17570	7919	221

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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	49.007	48.551	47.708	46.964	45.288	43.001	39.416	34.754	29.260	23.110
85.0	96.348	95.504	93.828	92.152	88.700	83.761	76.401	66.811	55.722	43.423
87.5	254.656	253.391	250.738	247.475	241.603	233.267	221.756	207.737	190.643	170.185
90.0	412.953	411.277	407.648	402.797	394.505	382.772	367.110	348.662	325.563	296.958
92.5	633.599	630.991	624.186	613.519	597.069	576.201	552.536	521.744	483.449	437.329
95.0	854.245	850.704	840.725	824.242	799.644	769.641	737.961	694.816	641.336	577.688
97.5	1057.086	1052.524	1040.359	1020.656	993.916	958.363	915.040	856.476	782.217	690.997
100.0	1259.928	1254.344	1239.992	1217.071	1188.188	1147.096	1092.118	1018.136	923.098	804.295
102.5	1343.233	1338.383	1324.685	1302.041	1269.618	1223.120	1164.235	1080.197	970.995	834.209
105.0	1359.817	1355.810	1343.877	1322.077	1286.024	1233.565	1162.936	1064.723	943.134	802.341
107.5	1345.842	1340.802	1325.529	1298.223	1257.230	1194.238	1122.965	1027.638	899.622	769.818
110.0	1318.813	1312.298	1291.607	1255.832	1197.413	1149.516	1062.303	956.642	844.921	730.780
112.5	1248.750	1240.358	1216.138	1176.633	1122.399	1076.278	990.930	896.258	796.381	696.869
115.0	1166.377	1159.673	1138.238	1103.673	1054.289	994.094	928.504	847.718	759.296	664.257
117.5	1092.962	1085.969	1066.122	1034.165	989.443	937.262	876.700	807.470	726.029	633.977
120.0	1029.969	1023.542	1006.493	979.464	943.134	895.515	841.380	771.317	689.976	605.738
122.5	981.518	976.212	961.482	937.628	902.785	858.152	801.598	734.321	658.474	580.119
125.0	941.635	936.607	922.821	899.522	864.490	817.437	762.737	699.289	628.193	556.820
127.5	900.454	895.426	880.141	855.544	820.790	775.879	725.474	665.834	602.009	536.230
130.0	852.935	849.394	835.142	811.565	778.210	738.428	690.342	635.830	574.902	517.970
132.5	806.537	804.017	791.719	770.851	740.104	700.876	655.966	605.272	551.692	500.543

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CANDELA TABULATION - (Cont.)

135.0	762.737	760.039	747.652	727.150	698.545	662.393	622.144	575.646	529.614	483.116
137.5	716.150	712.898	701.897	683.072	656.521	623.909	587.012	547.230	505.949	465.701
140.0	673.104	669.474	658.940	641.702	617.571	588.311	557.387	522.255	485.447	448.274
142.5	627.072	623.998	614.685	599.866	579.464	555.144	527.661	496.536	463.370	432.434
145.0	583.660	581.141	573.226	560.927	543.123	521.411	497.280	470.818	444.266	418.925
147.5	551.559	549.417	542.635	532.112	516.916	498.446	477.788	455.078	432.101	409.812
150.0	519.458	517.693	512.054	503.296	490.709	475.480	458.286	439.327	419.946	400.710
152.5	487.357	485.958	481.463	474.481	464.513	452.514	438.794	423.576	407.792	391.597
155.0	455.255	454.234	450.882	445.665	438.306	429.548	419.291	407.836	395.626	382.495
157.5	436.163	435.275	432.434	428.005	421.767	414.407	405.783	396.026	385.592	374.359
160.0	417.060	416.317	413.986	410.345	405.228	399.256	392.274	384.215	375.546	366.233
162.5	397.957	397.347	395.537	392.696	388.689	384.116	378.765	372.405	365.512	358.097
165.0	378.854	378.388	377.089	375.036	372.150	368.975	365.257	360.595	355.466	349.972
167.5	365.623	365.257	364.202	362.548	360.239	357.631	354.612	350.838	346.664	342.235
170.0	352.392	352.114	351.326	350.061	348.340	346.287	343.967	341.070	337.862	334.499
172.5	339.161	338.972	338.439	337.573	336.441	334.943	333.311	331.313	329.048	326.773
175.0	325.929	325.841	325.563	325.097	324.531	323.598	322.666	321.556	320.246	319.036
177.5	311.189	311.133	311.000	310.767	310.489	310.023	309.557	308.991	308.347	307.736
180.0	296.370	296.370	296.370	296.370	296.370	296.370	296.370	296.370	296.370	296.370

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	16.861	10.578	6.338	4.473	2.753	1.776	1.310	1.077	1.254	2.942
85.0	31.124	18.914	10.712	7.171	4.196	2.609	1.487	0.932	1.210	2.986
87.5	145.732	116.894	89.866	68.998	47.053	25.064	12.954	5.495	2.054	2.375
90.0	260.339	214.863	169.020	130.825	89.921	47.519	24.409	10.068	2.886	1.776
92.5	376.989	295.327	236.297	176.901	119.636	72.494	40.859	21.479	10.012	5.728
95.0	493.650	375.779	303.574	222.977	149.362	97.458	57.309	32.889	17.150	9.690
97.5	577.788	445.798	339.260	248.318	169.486	113.353	75.658	45.887	28.327	18.681
100.0	661.926	515.828	374.947	273.659	189.610	129.237	94.017	58.886	39.505	27.672
102.5	677.766	532.778	380.441	284.560	202.475	141.814	100.166	72.028	52.270	39.039
105.0	661.360	516.938	381.463	289.033	212.354	152.991	114.796	87.490	67.466	52.736
107.5	637.884	513.397	377.733	292.951	222.133	169.208	129.515	102.398	80.786	65.224
110.0	614.873	497.091	374.192	293.595	229.126	178.521	141.725	113.675	93.917	78.644
112.5	586.358	477.245	371.684	297.702	238.062	190.076	153.557	126.818	106.782	91.409
115.0	561.205	464.302	366.178	298.346	243.279	199.123	164.824	138.273	119.358	104.174
117.5	541.258	450.227	365.623	300.866	249.994	206.948	175.447	149.828	131.191	116.661
120.0	518.059	439.793	365.068	303.663	255.589	216.728	184.671	161.194	143.678	128.394
122.5	503.429	432.156	366.933	305.994	260.806	224.187	195.205	172.006	154.679	140.693
125.0	486.657	424.142	365.068	308.325	267.421	232.945	204.340	183.183	166.322	151.781
127.5	474.547	418.925	361.993	307.947	271.517	240.204	212.720	192.596	176.945	162.870
130.0	463.736	411.377	360.683	309.535	276.179	246.265	222.133	202.564	186.724	173.959
132.5	450.505	401.776	357.609	312.421	280.741	253.724	230.514	211.888	197.158	183.838
135.0	437.740	393.950	354.634	313.164	284.660	259.773	237.695	220.268	206.382	193.617
137.5	424.608	385.747	351.926	313.542	287.634	264.247	245.055	228.005	214.397	202.664
140.0	413.053	379.698	351.926	315.873	291.453	270.207	252.137	236.852	223.621	211.788
142.5	402.431	375.224	350.338	322.200	294.716	275.613	258.752	244.400	231.912	220.646
145.0	394.139	371.495	348.485	322.766	297.702	280.741	264.902	251.482	239.649	228.471
147.5	387.801	367.343	346.753	324.209	300.233	284.626	270.052	257.587	246.664	236.153
150.0	381.463	363.203	345.032	325.652	302.775	288.522	275.202	263.692	253.668	243.845
152.5	375.125	359.052	343.312	327.095	305.317	292.407	280.342	269.797	260.684	251.526
155.0	368.798	354.911	341.580	328.538	307.859	296.303	285.492	275.891	267.699	259.218
157.5	362.615	350.671	339.050	327.539	310.367	299.933	290.054	281.230	273.571	263.714
160.0	356.443	346.431	336.508	326.540	312.887	303.574	294.627	286.569	279.431	268.209
162.5	350.272	342.191	333.966	325.541	315.407	307.204	299.189	291.897	285.303	272.705
165.0	344.100	337.951	331.424	324.531	317.915	310.833	303.752	297.236	291.175	277.200
167.5	337.462	332.501	327.217	321.645	316.217	310.345	304.362	298.701	293.417	281.607
170.0	330.824	327.050	322.999	318.759	314.519	309.857	304.961	300.166	295.649	286.003
172.5	324.187	321.600	318.781	315.873	312.820	309.368	305.572	301.631	297.891	290.409
175.0	317.549	316.150	314.563	312.976	311.122	308.880	306.182	303.108	300.122	294.805
177.5	306.993	306.293	305.494	304.706	303.774	302.664	301.310	299.767	298.279	295.626
180.0	296.370	296.370	296.370	296.370	296.370	296.370	296.370	296.370	296.370	296.370

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	4.851	7.037	8.758	10.012	11.466	12.576	13.653	14.585	15.473	16.217
85.0	4.473	6.238	7.171	7.826	8.758	9.690	10.811	11.833	12.765	13.609
87.5	3.263	4.473	5.261	5.961	6.804	7.692	8.669	9.602	10.478	11.233
90.0	2.054	2.697	3.352	4.096	4.851	5.683	6.527	7.359	8.203	8.858
92.5	4.329	3.963	4.096	3.918	4.473	5.128	5.783	6.427	7.126	7.737
95.0	6.616	5.217	4.851	3.730	4.096	4.562	5.028	5.495	6.061	6.616
97.5	13.320	9.735	8.436	7.082	6.527	6.061	5.173	5.495	5.872	6.294
100.0	20.036	14.252	12.021	10.434	8.947	7.548	5.317	5.495	5.683	5.961
102.5	29.626	22.178	17.238	15.007	13.786	11.366	9.413	7.171	5.872	6.061
105.0	41.925	33.356	25.808	20.779	18.448	17.793	15.929	12.765	10.434	8.203
107.5	53.580	43.978	36.064	28.327	23.199	21.057	20.591	19.381	17.427	14.719
110.0	66.245	55.811	46.964	38.850	30.558	25.253	23.477	23.299	22.733	21.623
112.5	78.366	67.743	58.331	50.128	41.836	33.167	27.206	25.907	25.808	25.719
115.0	90.942	79.576	70.074	61.217	53.114	44.822	35.964	30.003	28.416	28.050
117.5	104.540	92.341	82.085	73.327	64.757	56.377	47.619	39.139	33.633	31.124
120.0	115.729	105.006	94.206	85.070	76.590	68.576	59.729	51.338	43.978	37.929
122.5	127.928	116.472	105.938	97.003	88.145	80.042	71.750	63.548	56.654	50.128
125.0	139.294	128.394	117.871	108.836	99.978	91.875	83.772	76.124	69.419	63.270
127.5	150.572	139.483	129.604	120.668	111.444	103.430	95.604	88.145	81.718	75.935
130.0	161.660	151.038	140.981	132.123	122.810	114.519	106.693	99.978	93.551	88.145
132.5	171.906	161.938	152.348	143.123	134.732	126.251	117.960	110.978	105.295	100.078
135.0	182.162	172.094	163.148	154.301	145.632	137.252	129.237	122.156	116.472	111.622
137.5	191.753	182.062	173.404	164.646	155.888	147.874	140.138	132.778	127.184	122.533
140.0	201.165	191.753	183.372	175.169	166.322	158.497	151.138	143.956	138.273	133.799
142.5	210.212	200.977	193.062	185.048	176.379	168.653	161.749	155.322	149.362	144.700
145.0	218.870	209.746	202.098	194.738	186.169	178.810	171.817	166.223	160.917	155.600
147.5	227.006	218.470	210.933	203.197	195.293	188.423	181.740	176.312	171.395	166.600
150.0	235.131	227.206	219.758	211.655	204.429	198.046	191.664	186.402	181.885	177.600
152.5	243.257	235.942	228.582	220.102	213.564	207.670	201.587	196.481	192.363	188.589
155.0	251.393	244.677	237.418	228.560	222.688	217.294	211.511	206.571	202.841	199.589
157.5	256.466	250.183	243.634	235.997	230.658	225.841	220.801	216.450	213.120	210.179
160.0	261.549	255.677	249.850	243.423	238.628	234.388	230.103	226.329	223.388	220.779
162.5	266.622	261.172	256.077	250.860	246.587	242.935	239.394	236.197	233.666	231.380
165.0	271.706	266.666	262.293	258.286	254.556	251.482	248.684	246.076	243.934	241.980
167.5	277.112	271.562	267.554	264.136	260.961	258.353	255.955	253.746	251.881	250.205

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

170.0	282.506	276.457	272.816	269.974	267.366	265.223	263.225	261.405	259.818	258.430
172.5	287.912	281.352	278.088	275.824	273.782	272.094	270.496	269.075	267.765	266.644
175.0	293.318	286.236	283.350	281.674	280.186	278.965	277.755	276.734	275.713	274.869
177.5	294.883	291.342	289.899	289.055	288.311	287.701	287.102	286.591	286.069	285.659
180.0	296.370	296.370	296.370	296.370	296.370	296.370	296.370	296.370	296.370	296.370

**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	16.961	17.705	18.126	18.548	18.781	18.914	19.014
85.0	14.252	15.007	15.473	15.840	16.117	16.395	16.772
87.5	11.877	12.632	13.187	13.609	13.886	14.119	14.252
90.0	9.502	10.245	10.900	11.366	11.644	11.833	11.744
92.5	8.336	8.902	9.413	9.835	10.112	10.301	10.245
95.0	7.171	7.548	7.925	8.292	8.569	8.758	8.758
97.5	6.704	7.037	7.404	7.692	7.925	8.014	8.103
100.0	6.238	6.527	6.893	7.082	7.271	7.271	7.459
102.5	6.149	6.338	6.527	6.704	6.893	6.893	6.893
105.0	6.804	6.616	6.527	6.616	6.804	6.704	6.704
107.5	12.021	9.879	8.292	7.171	7.082	6.993	6.893
110.0	20.124	18.359	16.583	15.007	13.975	13.142	12.854
112.5	25.253	24.509	23.665	22.733	22.267	21.712	21.623
115.0	28.327	28.327	28.050	27.672	27.584	27.395	27.206

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

117.5	30.381	30.381	30.658	30.658	30.658	30.747	30.747
120.0	34.477	33.455	32.801	32.423	32.523	32.701	32.612
122.5	44.544	40.160	37.463	36.341	35.875	35.875	35.775
125.0	57.587	52.459	48.540	45.654	43.978	42.680	42.302
127.5	70.541	66.156	62.149	58.608	56.377	55.067	54.601
130.0	83.483	79.199	75.469	72.583	70.541	69.508	69.142
132.5	95.504	91.597	88.423	85.814	83.761	82.739	82.373
135.0	107.437	103.607	100.444	97.647	96.159	95.138	95.038
137.5	118.615	115.451	112.465	109.946	108.269	107.337	106.971
140.0	129.704	126.251	123.832	121.778	120.291	119.458	119.081
142.5	140.693	137.440	134.732	132.501	131.002	130.170	129.892
145.0	151.504	148.429	145.821	143.590	142.191	141.259	140.881
147.5	162.715	159.729	157.209	155.145	153.791	152.925	152.581
150.0	173.915	171.029	168.609	166.689	165.390	164.602	164.269
152.5	185.115	182.329	179.998	178.244	176.990	176.268	175.968
155.0	196.326	193.617	191.386	189.799	188.589	187.934	187.657
157.5	207.226	204.751	202.642	201.121	199.978	199.334	199.067
160.0	218.126	215.895	213.886	212.443	211.366	210.722	210.489
162.5	229.026	227.028	225.141	223.765	222.766	222.111	221.900
165.0	239.927	238.162	236.386	235.087	234.155	233.500	233.311
167.5	248.451	246.986	245.499	244.422	243.678	243.146	242.957
170.0	256.976	255.811	254.601	253.768	253.202	252.791	252.603
172.5	265.512	264.646	263.714	263.103	262.737	262.426	262.249
175.0	274.037	273.471	272.816	272.450	272.261	272.072	271.883
177.5	285.237	284.959	284.626	284.438	284.349	284.260	284.160
180.0	296.370	296.370	296.370	296.370	296.370	296.370	296.370

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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	51.80	N.A.	2.50
10-90	51.80	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	51.80	N.A.	2.50
90-110	673.73	N.A.	33.00
90-120	1022.87	N.A.	50.10
90-130	1313.32	N.A.	64.30
90-150	1741.05	N.A.	85.30
90-180	1990.33	N.A.	97.50
110-180	1316.61	N.A.	64.50
0-180	2042.13	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	51.80
90-100	270.18
100-110	403.55
110-120	349.15
120-130	290.44
130-140	240.32
140-150	187.42
150-160	136.62
160-170	84.21
170-180	28.44

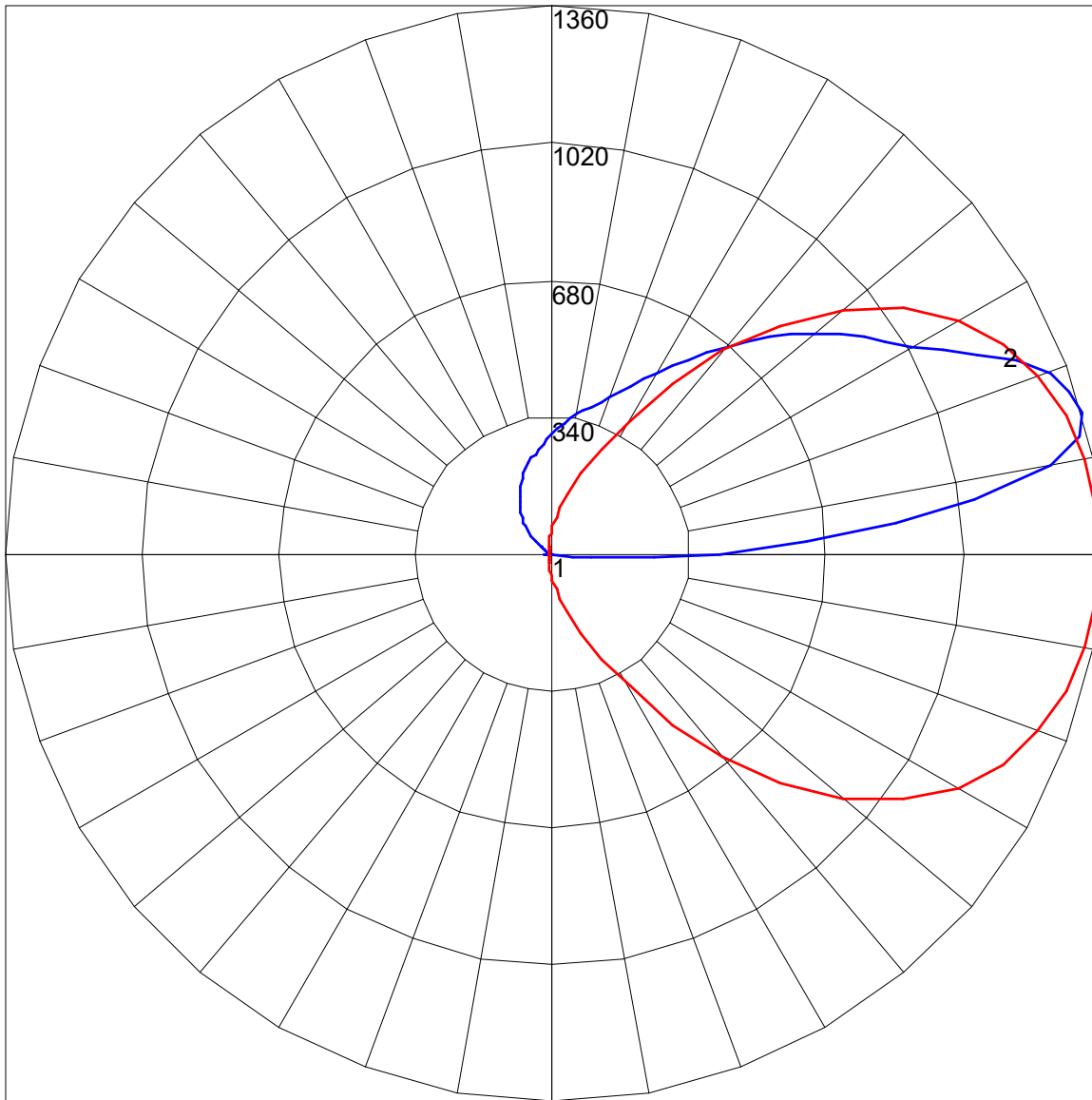
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1359.817 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.)