



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LFL22M40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 11994851.01P2
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 7/17/2019
 [LUMCAT] LFL22M40
 [LUMINAIRE] White formed steel housing, frosted plastic lens enclosure
 [LAMP] 256 white LEDs
 [BALLAST] One Osram OTi30/120-277/1A0 DIM-1 L driver
 [OTHER] 25.2 C, 119.97 V, 0.261967 A, 30.24 W, 0.99714 PF, 59.9981 H
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.
 [MANUFAC] LAMAR LIGHTING CO., INC.
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Indoor
 [_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3230
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	30.24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.83 ft
Luminous Width (90-270)	1.83 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3419	3392	3371
55	3228	3194	3169
65	2959	2928	2900
75	2506	2486	2464
85	1591	1640	1677

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1216.917	1216.917	1216.917	1216.917	1216.917
0.5	1216.917	1216.917	1216.917	1217.759	1217.759
1.0	1216.917	1216.074	1216.917	1216.917	1217.759
1.5	1216.074	1216.074	1216.917	1216.917	1217.759
2.0	1215.231	1216.074	1216.074	1216.074	1216.917
2.5	1215.231	1215.231	1215.231	1216.074	1216.074
3.0	1214.388	1214.388	1214.388	1215.231	1215.231
3.5	1213.546	1213.546	1213.546	1213.546	1214.388
4.0	1211.860	1212.703	1212.703	1212.703	1213.546
4.5	1211.017	1211.017	1211.860	1211.860	1211.860
5.0	1209.332	1209.332	1210.175	1210.175	1211.017
5.5	1208.489	1208.489	1208.489	1208.489	1209.332
6.0	1206.804	1206.804	1206.804	1206.804	1207.646
6.5	1205.118	1205.118	1205.118	1205.118	1205.118
7.0	1203.433	1202.590	1203.433	1203.433	1203.433
7.5	1200.904	1200.904	1200.904	1200.904	1200.904
8.0	1198.376	1198.376	1199.219	1198.376	1199.219
8.5	1196.691	1196.691	1196.691	1195.848	1196.691
9.0	1194.163	1194.163	1194.163	1193.320	1194.163
9.5	1191.634	1191.634	1191.634	1190.792	1191.634
10.0	1189.106	1188.263	1188.263	1188.263	1188.263
10.5	1185.735	1185.735	1185.735	1185.735	1185.735
11.0	1183.207	1182.364	1182.364	1182.364	1182.364
11.5	1179.836	1179.836	1178.993	1178.993	1178.993
12.0	1176.465	1176.465	1175.622	1175.622	1175.622
12.5	1173.094	1173.094	1172.251	1172.251	1172.251
13.0	1169.723	1169.723	1168.880	1168.880	1168.880
13.5	1166.352	1165.509	1164.667	1164.667	1164.667
14.0	1162.138	1162.138	1161.296	1160.453	1161.296
14.5	1158.767	1157.925	1157.082	1157.082	1157.082
15.0	1154.554	1153.711	1153.711	1152.868	1152.868
15.5	1150.340	1149.497	1149.497	1148.655	1148.655
16.0	1146.126	1145.284	1144.441	1143.598	1143.598
16.5	1141.913	1141.070	1140.227	1139.384	1139.384
17.0	1136.856	1136.856	1136.014	1134.328	1134.328
17.5	1132.643	1131.800	1130.957	1130.114	1129.272
18.0	1127.586	1126.743	1125.901	1125.058	1125.058
18.5	1122.530	1122.530	1121.687	1120.001	1119.159
19.0	1117.473	1117.473	1116.630	1114.945	1114.102
19.5	1112.417	1112.417	1111.574	1109.046	1109.046
20.0	1107.360	1106.518	1105.675	1103.989	1103.989
20.5	1101.461	1101.461	1100.618	1098.090	1098.090
21.0	1096.405	1095.562	1094.719	1093.034	1092.191
21.5	1090.506	1090.506	1088.820	1087.135	1087.135
22.0	1085.449	1084.606	1082.921	1081.235	1081.235
22.5	1079.550	1078.707	1077.022	1075.336	1075.336
23.0	1073.651	1072.808	1071.123	1069.437	1068.594
23.5	1067.752	1066.909	1065.223	1063.538	1062.695
24.0	1061.852	1061.010	1059.324	1057.639	1056.796
24.5	1055.953	1055.110	1053.425	1050.897	1050.054
25.0	1049.211	1048.369	1046.683	1044.155	1044.155
25.5	1043.312	1042.469	1040.784	1038.256	1037.413
26.0	1037.413	1035.727	1034.042	1031.514	1031.514
26.5	1030.671	1029.828	1028.143	1025.615	1024.772

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CANDELA TABULATION - (Cont.)

27.0	1023.929	1023.929	1021.401	1018.873	1018.030
27.5	1018.030	1017.187	1015.502	1012.131	1011.288
28.0	1011.288	1010.445	1008.760	1005.389	1004.546
28.5	1004.546	1003.703	1002.018	998.647	997.804
29.0	996.961	996.961	995.276	991.905	991.062
29.5	990.219	990.219	988.534	985.163	984.320
30.0	983.478	983.478	980.949	978.421	977.578
30.5	976.736	976.736	974.207	970.836	969.994
31.0	969.994	969.994	967.466	964.095	963.252
31.5	963.252	963.252	960.724	957.353	956.510
32.0	956.510	955.667	953.139	949.768	948.925
32.5	949.768	948.925	945.554	943.026	942.183
33.0	942.183	942.183	938.812	935.441	934.599
33.5	935.441	934.599	931.228	927.857	927.857
34.0	928.699	927.014	924.486	921.115	920.272
34.5	921.958	920.272	916.901	913.530	912.687
35.0	915.216	912.687	910.159	905.945	905.103
35.5	907.631	905.103	902.575	898.361	897.518
36.0	900.046	898.361	894.990	891.619	889.933
36.5	893.304	890.776	887.405	883.192	882.349
37.0	885.720	883.192	879.821	875.607	875.607
37.5	877.292	875.607	872.236	868.022	867.179
38.0	869.708	868.022	864.651	860.438	859.595
38.5	862.123	860.438	857.067	852.010	851.167
39.0	854.538	852.010	848.639	844.425	843.583
39.5	846.111	844.425	841.223	836.419	835.577
40.0	837.768	836.504	832.880	828.329	827.571
40.5	829.593	828.413	824.621	820.155	819.480
41.0	821.082	820.407	816.447	811.980	811.306
41.5	812.823	812.233	808.188	803.890	803.131
42.0	804.732	803.974	800.013	795.631	794.872
42.5	796.474	795.799	791.670	787.288	786.529
43.0	788.215	787.372	783.327	778.945	778.186
43.5	780.040	778.860	774.815	770.517	769.843
44.0	771.866	770.349	766.388	762.090	761.416
44.5	763.607	761.753	757.708	753.662	753.072
45.0	755.348	753.241	749.280	745.151	744.645
45.5	747.089	744.645	740.768	736.723	735.796
46.0	738.662	736.049	732.425	728.043	727.200
46.5	730.234	727.369	723.745	719.447	718.352
47.0	721.723	718.689	715.065	710.683	709.756
47.5	713.042	710.008	706.469	701.834	701.075
48.0	704.362	701.244	697.704	693.154	692.311
48.5	695.682	692.564	688.856	684.305	683.462
49.0	686.580	683.715	680.175	675.372	674.445
49.5	677.479	675.035	671.411	666.523	665.428
50.0	668.546	666.186	662.562	657.590	656.663
50.5	659.528	657.337	653.798	648.994	648.151
51.0	650.427	648.826	644.949	640.061	639.218
51.5	641.494	639.892	635.932	631.128	630.370
52.0	632.308	630.959	626.661	622.195	621.436
52.5	623.206	621.942	617.728	613.262	612.672
53.0	614.105	613.009	608.627	604.329	603.570
53.5	605.087	603.992	599.610	595.396	594.637
54.0	596.239	594.722	590.592	586.378	585.704
54.5	587.390	585.536	581.491	577.445	576.771

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CANDELA TABULATION - (Cont.)

55.0	578.457	576.350	572.389	568.344	567.922
55.5	569.439	567.248	563.203	559.327	558.821
56.0	560.506	558.062	554.186	550.309	549.719
56.5	551.573	548.877	545.084	541.292	540.533
57.0	542.472	539.606	536.067	532.106	531.432
57.5	533.454	530.505	527.050	522.920	522.330
58.0	524.437	521.319	517.948	513.650	512.976
58.5	515.336	511.965	508.762	504.464	503.790
59.0	505.728	502.694	499.408	495.110	494.604
59.5	496.037	493.509	490.053	485.924	485.418
60.0	486.430	484.323	480.783	476.569	476.232
60.5	476.822	475.053	471.513	467.215	466.794
61.0	467.131	465.698	462.243	457.861	457.439
61.5	457.524	456.344	452.973	448.506	448.169
62.0	448.001	447.074	443.450	439.152	438.983
62.5	438.478	437.635	433.927	429.713	429.713
63.0	428.955	428.028	424.488	420.527	420.359
63.5	419.010	418.505	414.881	411.257	411.004
64.0	409.403	408.982	405.442	401.818	401.650
64.5	399.880	399.459	396.004	392.548	392.295
65.0	390.694	389.936	386.565	383.194	382.857
65.5	381.424	380.413	377.126	373.839	373.587
66.0	372.238	370.890	367.687	364.485	364.401
66.5	363.137	361.367	358.164	355.215	355.131
67.0	353.951	351.928	348.894	345.945	345.776
67.5	344.596	342.490	339.540	336.675	336.422
68.0	335.158	332.967	330.354	327.489	327.236
68.5	325.719	323.612	321.168	318.134	317.882
69.0	316.449	314.342	311.898	308.780	308.696
69.5	307.179	305.072	302.544	299.594	299.510
70.0	297.656	295.717	293.189	290.324	290.408
70.5	287.880	286.447	283.919	280.970	281.138
71.0	278.188	277.093	274.649	271.784	271.784
71.5	268.581	267.823	265.463	262.682	262.514
72.0	258.890	258.468	256.193	253.412	253.328
72.5	249.367	249.198	246.839	244.142	244.310
73.0	239.928	239.928	237.568	235.040	235.209
73.5	230.405	230.742	228.383	225.939	226.023
74.0	221.051	221.556	219.197	216.921	217.090
74.5	211.781	212.286	210.011	208.073	208.157
75.0	202.679	203.185	200.993	199.139	199.224
75.5	193.662	193.999	192.229	190.291	190.375
76.0	184.813	184.897	183.380	181.526	181.610
76.5	175.964	176.048	174.531	172.846	172.930
77.0	167.200	167.115	165.683	164.250	164.334
77.5	158.688	158.351	157.087	155.823	155.823
78.0	150.008	149.586	148.575	147.311	147.395
78.5	141.327	140.906	140.316	139.052	139.136
79.0	132.900	132.479	132.142	130.878	130.793
79.5	124.557	124.051	123.714	122.871	122.956
80.0	116.467	115.877	115.792	114.865	114.950
80.5	108.292	107.871	107.955	107.028	107.281
81.0	100.370	100.118	100.286	99.443	99.696
81.5	92.449	92.533	92.701	92.027	92.280
82.0	84.780	85.117	85.370	84.780	85.117
82.5	77.279	77.701	78.122	77.701	78.038

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CANDELA TABULATION - (Cont.)

83.0	69.947	70.706	70.959	70.959	71.296
83.5	63.037	63.795	64.133	64.217	64.638
84.0	56.295	57.138	57.475	57.728	58.065
84.5	49.553	50.733	50.986	51.407	51.829
85.0	43.317	44.328	44.665	45.339	45.677
85.5	37.249	38.345	38.597	39.440	39.862
86.0	31.434	32.445	32.783	33.625	34.215
86.5	25.872	26.715	27.136	28.063	28.653
87.0	20.731	21.321	21.827	22.754	23.344
87.5	15.928	16.349	16.771	17.613	18.203
88.0	11.546	11.798	12.135	12.978	13.568
88.5	7.669	7.753	8.090	8.764	9.270
89.0	4.382	4.382	4.804	5.309	5.815
89.5	2.107	2.023	2.360	2.781	3.118
90.0	0.927	0.927	1.180	1.264	1.433
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LFL22M40.IES**

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	439.89	N.A.	13.60
0-30	922.06	N.A.	28.50
0-40	1490.98	N.A.	46.20
0-60	2580.71	N.A.	79.90
0-80	3176.59	N.A.	98.40
0-90	3229.61	N.A.	100.00
10-90	3114.79	N.A.	96.40
20-40	1051.1	N.A.	32.50
20-50	1629.05	N.A.	50.40
40-70	1472.43	N.A.	45.60
60-80	595.89	N.A.	18.50
70-80	213.18	N.A.	6.60
80-90	53.02	N.A.	1.60
90-110	0.03	N.A.	0.00
90-120	0.03	N.A.	0.00
90-130	0.03	N.A.	0.00
90-150	0.03	N.A.	0.00
90-180	0.03	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3229.64	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.82
10-20	325.06
20-30	482.17
30-40	568.92
40-50	577.95
50-60	511.77
60-70	382.70
70-80	213.18
80-90	53.02
90-100	0.03
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

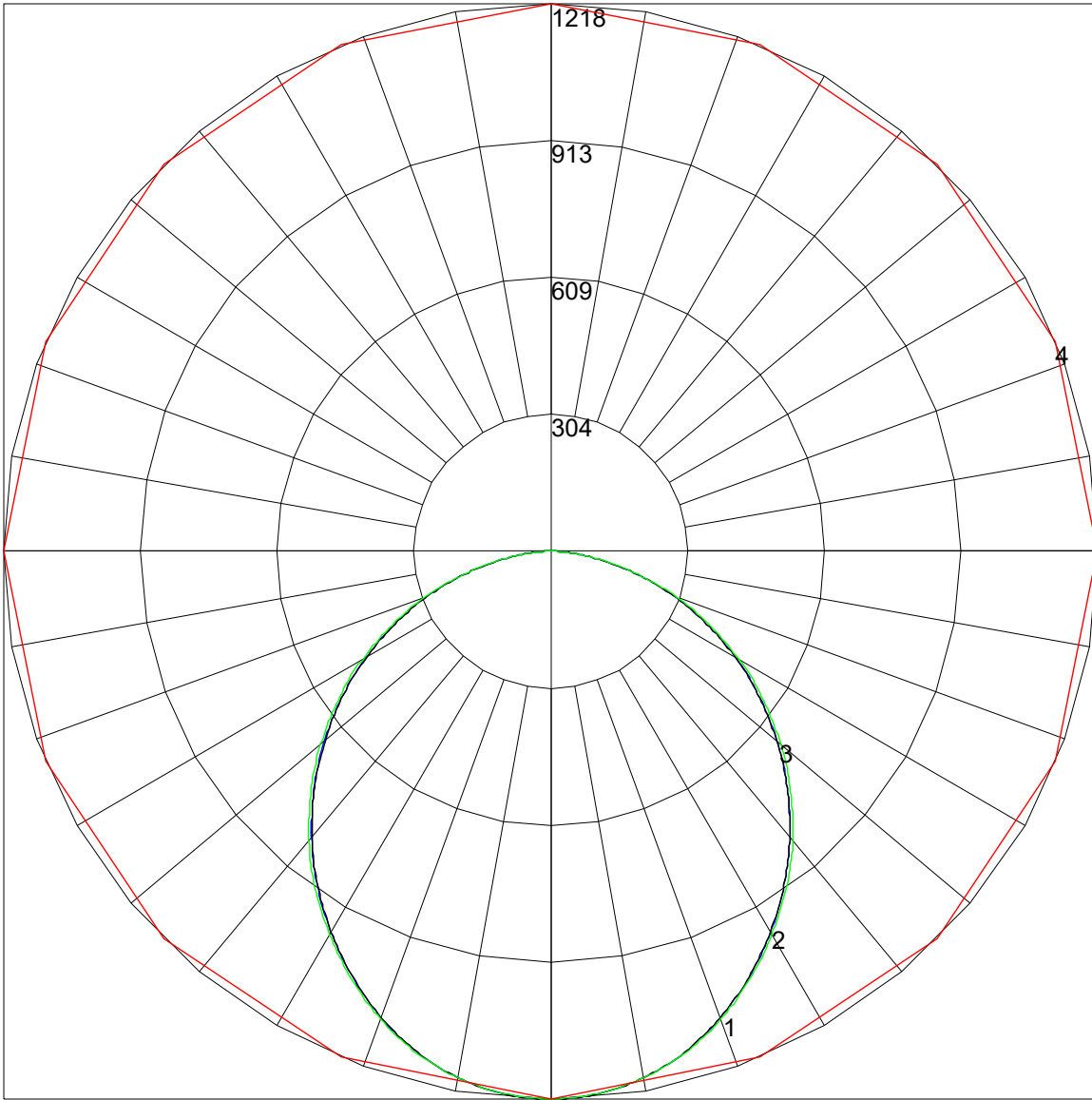
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	66	88	78	71	65	75	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	29	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1217.759 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)