



**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LFL22H40.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 11994851.01P4
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 7/17/2019
 [LUMCAT] LFL22H40
 [LUMINAIRE] White formed steel housing, frosted plastic lens enclosure
 [LAMP] 256 white LEDs
 [BALLAST] One Osram OTi50/120-277/1A0 DIM-1 L driver
 [OTHER] 25.2 C, 119.97 V, 0.261967 A, 37.92 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	3986
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	37.92
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	4220	4186	4160
55	3984	3942	3912
65	3652	3614	3579
75	3094	3068	3041
85	1963	2025	2070

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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	1502.049	1502.049	1502.049	1502.049	1502.049
0.5	1502.049	1502.049	1502.049	1503.089	1503.089
1.0	1502.049	1501.009	1502.049	1502.049	1503.089
1.5	1501.009	1501.009	1502.049	1502.049	1503.089
2.0	1499.968	1501.009	1501.009	1501.009	1502.049
2.5	1499.968	1499.968	1499.968	1501.009	1501.009
3.0	1498.928	1498.928	1498.928	1499.968	1499.968
3.5	1497.888	1497.888	1497.888	1497.888	1498.928
4.0	1495.808	1496.848	1496.848	1496.848	1497.888
4.5	1494.767	1494.767	1495.808	1495.808	1495.808
5.0	1492.687	1492.687	1493.727	1493.727	1494.767
5.5	1491.647	1491.647	1491.647	1491.647	1492.687
6.0	1489.566	1489.566	1489.566	1489.566	1490.607
6.5	1487.486	1487.486	1487.486	1487.486	1487.486
7.0	1485.406	1484.365	1485.406	1485.406	1485.406
7.5	1482.285	1482.285	1482.285	1482.285	1482.285
8.0	1479.164	1479.164	1480.205	1479.164	1480.205
8.5	1477.084	1477.084	1477.084	1476.044	1477.084
9.0	1473.963	1473.963	1473.963	1472.923	1473.963
9.5	1470.843	1470.843	1470.843	1469.803	1470.843
10.0	1467.722	1466.682	1466.682	1466.682	1466.682
10.5	1463.561	1463.561	1463.561	1463.561	1463.561
11.0	1460.441	1459.401	1459.401	1459.401	1459.401
11.5	1456.280	1456.280	1455.240	1455.240	1455.240
12.0	1452.119	1452.119	1451.079	1451.079	1451.079
12.5	1447.958	1447.958	1446.918	1446.918	1446.918
13.0	1443.798	1443.798	1442.757	1442.757	1442.757
13.5	1439.637	1438.597	1437.556	1437.556	1437.556
14.0	1434.436	1434.436	1433.396	1432.355	1433.396
14.5	1430.275	1429.235	1428.195	1428.195	1428.195
15.0	1425.074	1424.034	1424.034	1422.994	1422.994
15.5	1419.873	1418.833	1418.833	1417.793	1417.793
16.0	1414.672	1413.632	1412.592	1411.551	1411.551
16.5	1409.471	1408.431	1407.391	1406.350	1406.350
17.0	1403.230	1403.230	1402.190	1400.109	1400.109
17.5	1398.029	1396.989	1395.948	1394.908	1393.868
18.0	1391.788	1390.747	1389.707	1388.667	1388.667
18.5	1385.546	1385.546	1384.506	1382.426	1381.386
19.0	1379.305	1379.305	1378.265	1376.185	1375.144
19.5	1373.064	1373.064	1372.024	1368.903	1368.903
20.0	1366.823	1365.783	1364.742	1362.662	1362.662
20.5	1359.541	1359.541	1358.501	1355.381	1355.381
21.0	1353.300	1352.260	1351.220	1349.139	1348.099
21.5	1346.019	1346.019	1343.938	1341.858	1341.858
22.0	1339.778	1338.737	1336.657	1334.577	1334.577
22.5	1332.496	1331.456	1329.376	1327.295	1327.295
23.0	1325.215	1324.175	1322.094	1320.014	1318.974
23.5	1317.933	1316.893	1314.813	1312.732	1311.692
24.0	1310.652	1309.612	1307.531	1305.451	1304.411
24.5	1303.371	1302.330	1300.250	1297.129	1296.089
25.0	1295.049	1294.009	1291.928	1288.808	1288.808
25.5	1287.768	1286.727	1284.647	1281.526	1280.486
26.0	1280.486	1278.406	1276.325	1273.205	1273.205
26.5	1272.165	1271.124	1269.044	1265.923	1264.883

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CANDELA TABULATION - (Cont.)

27.0	1263.843	1263.843	1260.722	1257.602	1256.562
27.5	1256.562	1255.521	1253.441	1249.280	1248.240
28.0	1248.240	1247.200	1245.119	1240.959	1239.918
28.5	1239.918	1238.878	1236.798	1232.637	1231.597
29.0	1230.557	1230.557	1228.476	1224.315	1223.275
29.5	1222.235	1222.235	1220.155	1215.994	1214.954
30.0	1213.913	1213.913	1210.793	1207.672	1206.632
30.5	1205.592	1205.592	1202.471	1198.310	1197.270
31.0	1197.270	1197.270	1194.150	1189.989	1188.949
31.5	1188.949	1188.949	1185.828	1181.667	1180.627
32.0	1180.627	1179.587	1176.466	1172.305	1171.265
32.5	1172.305	1171.265	1167.104	1163.984	1162.944
33.0	1162.944	1162.944	1158.783	1154.622	1153.582
33.5	1154.622	1153.582	1149.421	1145.260	1145.260
34.0	1146.300	1144.220	1141.099	1136.939	1135.898
34.5	1137.979	1135.898	1131.738	1127.577	1126.537
35.0	1129.657	1126.537	1123.416	1118.215	1117.175
35.5	1120.295	1117.175	1114.054	1108.853	1107.813
36.0	1110.934	1108.853	1104.692	1100.532	1098.451
36.5	1102.612	1099.491	1095.331	1090.130	1089.089
37.0	1093.250	1090.130	1085.969	1080.768	1080.768
37.5	1082.848	1080.768	1076.607	1071.406	1070.366
38.0	1073.486	1071.406	1067.245	1062.044	1061.004
38.5	1064.125	1062.044	1057.883	1051.642	1050.602
39.0	1054.763	1051.642	1047.481	1042.280	1041.240
39.5	1044.361	1042.280	1038.328	1032.398	1031.358
40.0	1034.063	1032.503	1028.030	1022.413	1021.476
40.5	1023.973	1022.517	1017.836	1012.323	1011.490
41.0	1013.467	1012.635	1007.746	1002.233	1001.401
41.5	1003.273	1002.545	997.552	992.247	991.311
42.0	993.287	992.351	987.462	982.053	981.117
42.5	983.093	982.261	977.164	971.755	970.819
43.0	972.899	971.859	966.866	961.457	960.521
43.5	962.809	961.353	956.360	951.055	950.223
44.0	952.719	950.847	945.958	940.653	939.821
44.5	942.525	940.237	935.244	930.251	929.523
45.0	932.331	929.731	924.842	919.745	919.121
45.5	922.137	919.121	914.336	909.343	908.199
46.0	911.735	908.511	904.038	898.629	897.589
46.5	901.333	897.797	893.324	888.019	886.666
47.0	890.827	887.083	882.610	877.201	876.056
47.5	880.113	876.368	872.000	866.279	865.342
48.0	869.399	865.550	861.182	855.564	854.524
48.5	858.685	854.836	850.259	844.642	843.602
49.0	847.451	843.914	839.545	833.616	832.472
49.5	836.217	833.200	828.727	822.694	821.342
50.0	825.191	822.278	817.805	811.668	810.524
50.5	814.061	811.356	806.987	801.058	800.018
51.0	802.826	800.850	796.065	790.032	788.992
51.5	791.800	789.824	784.935	779.006	778.070
52.0	780.462	778.798	773.493	767.980	767.043
52.5	769.228	767.668	762.467	756.954	756.225
53.0	757.994	756.641	751.232	745.927	744.991
53.5	746.864	745.511	740.102	734.901	733.965
54.0	735.941	734.069	728.972	723.771	722.939
54.5	725.019	722.731	717.738	712.745	711.913

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55.0	713.993	711.393	706.504	701.511	700.991
55.5	702.863	700.159	695.166	690.381	689.757
56.0	691.837	688.820	684.036	679.251	678.522
56.5	680.811	677.482	672.801	668.120	667.184
57.0	669.577	666.040	661.671	656.782	655.950
57.5	658.447	654.806	650.541	645.444	644.716
58.0	647.316	643.468	639.307	634.002	633.170
58.5	636.082	631.921	627.969	622.664	621.832
59.0	624.224	620.479	616.423	611.117	610.493
59.5	612.262	609.141	604.876	599.779	599.155
60.0	600.403	597.803	593.434	588.233	587.817
60.5	588.545	586.361	581.992	576.687	576.167
61.0	576.583	574.815	570.550	565.141	564.621
61.5	564.725	563.268	559.107	553.594	553.178
62.0	552.970	551.826	547.353	542.048	541.840
62.5	541.216	540.176	535.599	530.398	530.398
63.0	529.462	528.318	523.949	519.060	518.852
63.5	517.187	516.563	512.090	507.618	507.306
64.0	505.329	504.809	500.440	495.967	495.759
64.5	493.575	493.055	488.790	484.525	484.213
65.0	482.237	481.301	477.140	472.979	472.563
65.5	470.795	469.546	465.489	461.433	461.121
66.0	459.456	457.792	453.839	449.886	449.782
66.5	448.222	446.038	442.085	438.444	438.340
67.0	436.884	434.388	430.643	427.002	426.794
67.5	425.338	422.737	419.097	415.560	415.248
68.0	413.688	410.983	407.758	404.222	403.910
68.5	402.037	399.437	396.420	392.675	392.363
69.0	390.595	387.995	384.978	381.129	381.025
69.5	379.153	376.552	373.432	369.791	369.687
70.0	367.399	365.006	361.886	358.349	358.453
70.5	355.332	353.564	350.443	346.803	347.011
71.0	343.370	342.018	339.001	335.464	335.464
71.5	331.512	330.576	327.663	324.230	324.022
72.0	319.549	319.029	316.221	312.788	312.684
72.5	307.795	307.587	304.675	301.346	301.554
73.0	296.145	296.145	293.232	290.112	290.320
73.5	284.391	284.807	281.894	278.878	278.982
74.0	272.844	273.469	270.556	267.747	267.956
74.5	261.402	262.026	259.218	256.825	256.929
75.0	250.168	250.792	248.088	245.799	245.903
75.5	239.038	239.454	237.270	234.877	234.981
76.0	228.116	228.220	226.348	224.059	224.163
76.5	217.194	217.298	215.425	213.345	213.449
77.0	206.376	206.272	204.503	202.735	202.839
77.5	195.870	195.454	193.893	192.333	192.333
78.0	185.156	184.635	183.387	181.827	181.931
78.5	174.442	173.921	173.193	171.633	171.737
79.0	164.040	163.519	163.103	161.543	161.439
79.5	153.742	153.117	152.701	151.661	151.765
80.0	143.756	143.027	142.923	141.779	141.883
80.5	133.666	133.146	133.250	132.105	132.417
81.0	123.888	123.576	123.784	122.744	123.056
81.5	114.110	114.214	114.422	113.590	113.902
82.0	104.644	105.060	105.372	104.644	105.060
82.5	95.386	95.906	96.427	95.906	96.323

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CANDELA TABULATION - (Cont.)

83.0	86.337	87.273	87.585	87.585	88.001
83.5	77.807	78.743	79.159	79.263	79.783
84.0	69.485	70.526	70.942	71.254	71.670
84.5	61.164	62.620	62.932	63.452	63.972
85.0	53.466	54.715	55.131	55.963	56.379
85.5	45.977	47.329	47.641	48.681	49.201
86.0	38.799	40.048	40.464	41.504	42.232
86.5	31.934	32.974	33.494	34.639	35.367
87.0	25.589	26.317	26.941	28.085	28.814
87.5	19.660	20.180	20.700	21.740	22.468
88.0	14.251	14.563	14.979	16.019	16.747
88.5	9.466	9.570	9.986	10.818	11.442
89.0	5.409	5.409	5.929	6.553	7.177
89.5	2.600	2.496	2.913	3.433	3.849
90.0	1.144	1.144	1.456	1.560	1.768
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

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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

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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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	542.95	N.A.	13.60
0-30	1138.11	N.A.	28.60
0-40	1840.33	N.A.	46.20
0-60	3185.39	N.A.	79.90
0-80	3920.89	N.A.	98.40
0-90	3986.33	N.A.	100.00
10-90	3844.61	N.A.	96.40
20-40	1297.38	N.A.	32.50
20-50	2010.75	N.A.	50.40
40-70	1817.43	N.A.	45.60
60-80	735.51	N.A.	18.50
70-80	263.13	N.A.	6.60
80-90	65.44	N.A.	1.60
90-110	0.04	N.A.	0.00
90-120	0.04	N.A.	0.00
90-130	0.04	N.A.	0.00
90-150	0.04	N.A.	0.00
90-180	0.04	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3986.37	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.72
10-20	401.23
20-30	595.15
30-40	702.23
40-50	713.37
50-60	631.68
60-70	472.37
70-80	263.13
80-90	65.44
90-100	0.04
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

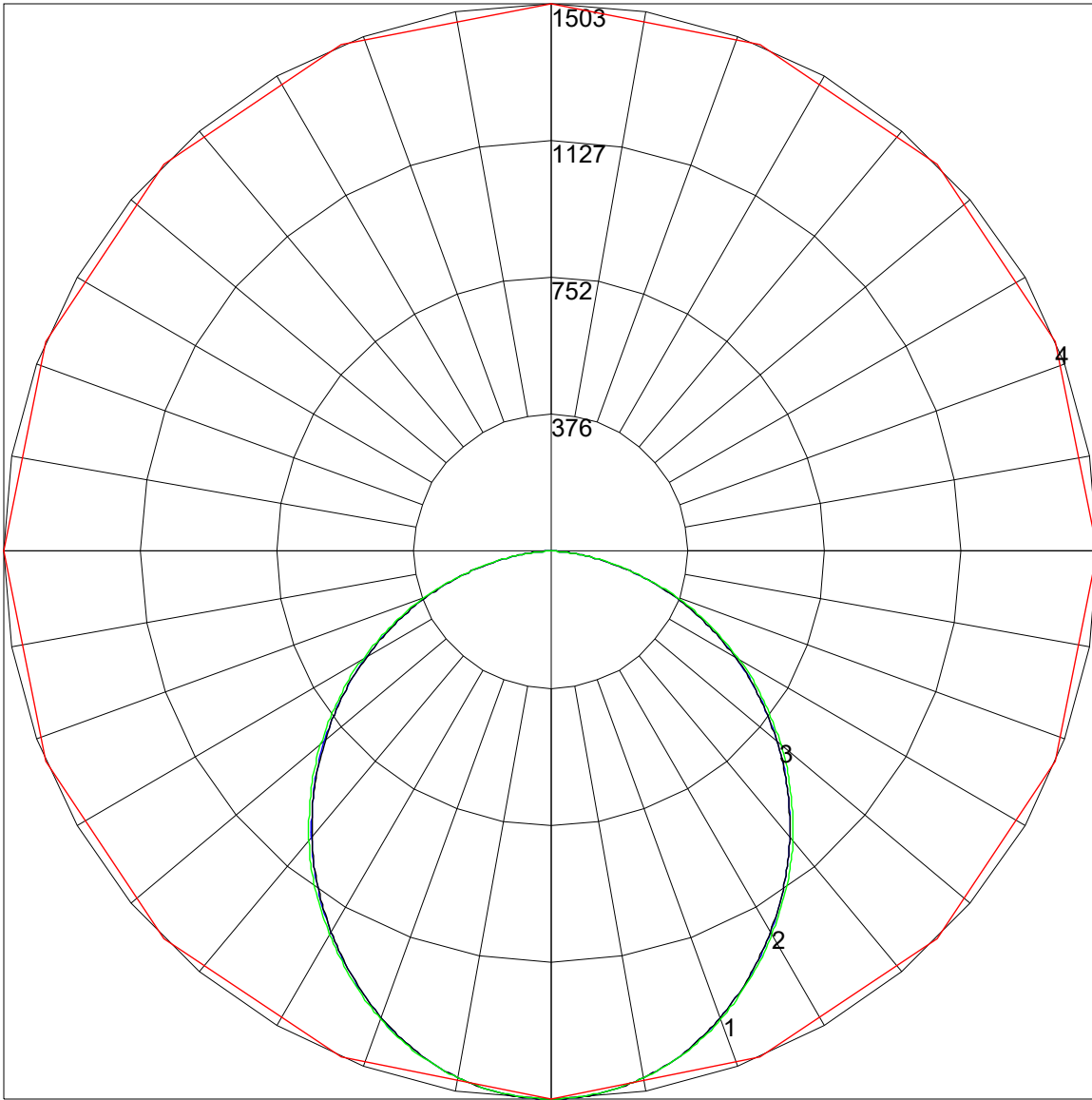
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	91	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	71	57	48	42	69	56	48	42	55	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	30	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 = 1503.089 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.)