



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LWT2444L40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 11994851.01P2
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 10/17/2017
[LUMCAT] LWT2444L40
[LUMINAIRE] 2x4 White formed steel housing, frosted plastic lens enclosure
[LAMP] 512 white LEDs
[BALLAST] One Osram OTi30/120-277/1A0 DIM-1 L driver
[OTHER] 25.2 C, 119.97 V, 0.2902 A, 34.8116 W, 0.99714 PF, 59.9981 H
[OTHER] This test was performed using the calibrated photodetector method of absolute photometry.
[MORE] method 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	4398
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	34.8116
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)	3.83 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2226	2209	2195
55	2102	2080	2064
65	1927	1906	1888
75	1632	1619	1604
85	1036	1068	1092

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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	1657.134	1657.134	1657.134	1657.134	1657.134
0.5	1657.134	1657.134	1657.134	1658.282	1658.282
1.0	1657.134	1655.987	1657.134	1657.134	1658.282
1.5	1655.987	1655.987	1657.134	1657.134	1658.282
2.0	1654.839	1655.987	1655.987	1655.987	1657.134
2.5	1654.839	1654.839	1654.839	1655.987	1655.987
3.0	1653.692	1653.692	1653.692	1654.839	1654.839
3.5	1652.544	1652.544	1652.544	1652.544	1653.692
4.0	1650.249	1651.396	1651.396	1651.396	1652.544
4.5	1649.101	1649.101	1650.249	1650.249	1650.249
5.0	1646.806	1646.806	1647.954	1647.954	1649.101
5.5	1645.658	1645.658	1645.658	1645.658	1646.806
6.0	1643.363	1643.363	1643.363	1643.363	1644.511
6.5	1641.068	1641.068	1641.068	1641.068	1641.068
7.0	1638.773	1637.625	1638.773	1638.773	1638.773
7.5	1635.330	1635.330	1635.330	1635.330	1635.330
8.0	1631.887	1631.887	1633.035	1631.887	1633.035
8.5	1629.592	1629.592	1629.592	1628.444	1629.592
9.0	1626.149	1626.149	1626.149	1625.002	1626.149
9.5	1622.706	1622.706	1622.706	1621.559	1622.706
10.0	1619.264	1618.116	1618.116	1618.116	1618.116
10.5	1614.673	1614.673	1614.673	1614.673	1614.673
11.0	1611.230	1610.083	1610.083	1610.083	1610.083
11.5	1606.640	1606.640	1605.492	1605.492	1605.492
12.0	1602.050	1602.050	1600.902	1600.902	1600.902
12.5	1597.459	1597.459	1596.312	1596.312	1596.312
13.0	1592.869	1592.869	1591.721	1591.721	1591.721
13.5	1588.278	1587.131	1585.983	1585.983	1585.983
14.0	1582.540	1582.540	1581.393	1580.245	1581.393
14.5	1577.950	1576.802	1575.655	1575.655	1575.655
15.0	1572.212	1571.064	1571.064	1569.917	1569.917
15.5	1566.474	1565.326	1565.326	1564.179	1564.179
16.0	1560.736	1559.588	1558.441	1557.293	1557.293
16.5	1554.998	1553.850	1552.703	1551.555	1551.555
17.0	1548.112	1548.112	1546.965	1544.670	1544.670
17.5	1542.374	1541.227	1540.079	1538.932	1537.784
18.0	1535.489	1534.341	1533.194	1532.046	1532.046
18.5	1528.603	1528.603	1527.456	1525.160	1524.013
19.0	1521.718	1521.718	1520.570	1518.275	1517.127
19.5	1514.832	1514.832	1513.684	1510.242	1510.242
20.0	1507.946	1506.799	1505.651	1503.356	1503.356
20.5	1499.913	1499.913	1498.766	1495.323	1495.323
21.0	1493.028	1491.880	1490.732	1488.437	1487.290
21.5	1484.994	1484.994	1482.699	1480.404	1480.404
22.0	1478.109	1476.961	1474.666	1472.371	1472.371
22.5	1470.076	1468.928	1466.633	1464.338	1464.338
23.0	1462.042	1460.895	1458.600	1456.304	1455.157
23.5	1454.009	1452.862	1450.566	1448.271	1447.124
24.0	1445.976	1444.828	1442.533	1440.238	1439.090
24.5	1437.943	1436.795	1434.500	1431.057	1429.910
25.0	1428.762	1427.614	1425.319	1421.876	1421.876
25.5	1420.729	1419.581	1417.286	1413.843	1412.696
26.0	1412.696	1410.400	1408.105	1404.662	1404.662
26.5	1403.515	1402.367	1400.072	1396.629	1395.482

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CANDELA TABULATION - (Cont.)

27.0	1394.334	1394.334	1390.891	1387.448	1386.301
27.5	1386.301	1385.153	1382.858	1378.268	1377.120
28.0	1377.120	1375.972	1373.677	1369.087	1367.939
28.5	1367.939	1366.792	1364.496	1359.906	1358.758
29.0	1357.611	1357.611	1355.316	1350.725	1349.578
29.5	1348.430	1348.430	1346.135	1341.544	1340.397
30.0	1339.249	1339.249	1335.806	1332.364	1331.216
30.5	1330.068	1330.068	1326.626	1322.035	1320.888
31.0	1320.888	1320.888	1317.445	1312.854	1311.707
31.5	1311.707	1311.707	1308.264	1303.674	1302.526
32.0	1302.526	1301.378	1297.936	1293.345	1292.198
32.5	1293.345	1292.198	1287.607	1284.164	1283.017
33.0	1283.017	1283.017	1278.426	1273.836	1272.688
33.5	1273.836	1272.688	1268.098	1263.508	1263.508
34.0	1264.655	1262.360	1258.917	1254.327	1253.179
34.5	1255.474	1253.179	1248.589	1243.998	1242.851
35.0	1246.294	1242.851	1239.408	1233.670	1232.522
35.5	1235.965	1232.522	1229.080	1223.342	1222.194
36.0	1225.637	1223.342	1218.751	1214.161	1211.866
36.5	1216.456	1213.013	1208.423	1202.685	1201.537
37.0	1206.128	1202.685	1198.094	1192.356	1192.356
37.5	1194.652	1192.356	1187.766	1182.028	1180.880
38.0	1184.323	1182.028	1177.438	1171.700	1170.552
38.5	1173.995	1171.700	1167.109	1160.224	1159.076
39.0	1163.666	1160.224	1155.633	1149.895	1148.748
39.5	1152.190	1149.895	1145.534	1138.993	1137.845
40.0	1140.829	1139.108	1134.173	1127.976	1126.943
40.5	1129.697	1128.091	1122.927	1116.844	1115.926
41.0	1118.107	1117.189	1111.795	1105.713	1104.795
41.5	1106.860	1106.057	1100.548	1094.696	1093.663
42.0	1095.843	1094.810	1089.417	1083.449	1082.416
42.5	1084.597	1083.679	1078.055	1072.088	1071.055
43.0	1073.350	1072.203	1066.694	1060.727	1059.694
43.5	1062.219	1060.612	1055.103	1049.251	1048.333
44.0	1051.087	1049.021	1043.627	1037.775	1036.857
44.5	1039.840	1037.316	1031.807	1026.299	1025.495
45.0	1028.594	1025.725	1020.331	1014.708	1014.019
45.5	1017.347	1014.019	1008.740	1003.232	1001.970
46.0	1005.871	1002.314	997.379	991.412	990.264
46.5	994.395	990.494	985.559	979.706	978.214
47.0	982.805	978.673	973.739	967.771	966.509
47.5	970.984	966.853	962.033	955.721	954.688
48.0	959.164	954.918	950.098	943.901	942.753
48.5	947.344	943.098	938.048	931.851	930.704
49.0	934.950	931.048	926.228	919.687	918.424
49.5	922.556	919.228	914.293	907.637	906.145
50.0	910.391	907.178	902.243	895.472	894.210
50.5	898.112	895.128	890.308	883.767	882.619
51.0	885.718	883.537	878.258	871.602	870.455
51.5	873.553	871.373	865.979	859.438	858.405
52.0	861.044	859.208	853.355	847.273	846.240
52.5	848.650	846.929	841.191	835.109	834.305
53.0	836.256	834.764	828.797	822.944	821.911
53.5	823.977	822.485	816.517	810.779	809.747
54.0	811.927	809.861	804.238	798.500	797.582
54.5	799.877	797.353	791.844	786.336	785.417

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CANDELA TABULATION - (Cont.)

55.0	787.713	784.844	779.450	773.941	773.368
55.5	775.433	772.450	766.941	761.662	760.974
56.0	763.269	759.941	754.662	749.383	748.580
56.5	751.104	747.432	742.268	737.104	736.071
57.0	738.710	734.808	729.988	724.595	723.677
57.5	726.431	722.414	717.709	712.086	711.283
58.0	714.152	709.905	705.315	699.462	698.544
58.5	701.757	697.167	692.806	686.953	686.035
59.0	688.675	684.543	680.068	674.215	673.526
59.5	675.477	672.035	667.329	661.706	661.018
60.0	662.395	659.526	654.706	648.968	648.509
60.5	649.312	646.902	642.082	636.229	635.656
61.0	636.115	634.164	629.459	623.491	622.917
61.5	623.032	621.425	616.835	610.753	610.294
62.0	610.064	608.802	603.867	598.014	597.785
62.5	597.096	595.949	590.899	585.161	585.161
63.0	584.128	582.866	578.046	572.652	572.423
63.5	570.587	569.898	564.964	560.029	559.685
64.0	557.504	556.930	552.110	547.176	546.946
64.5	544.536	543.962	539.257	534.552	534.208
65.0	532.027	530.995	526.404	521.814	521.355
65.5	519.404	518.027	513.551	509.075	508.731
66.0	506.895	505.059	500.698	496.337	496.222
66.5	494.501	492.091	487.730	483.713	483.599
67.0	481.992	479.238	475.106	471.090	470.860
67.5	469.254	466.385	462.368	458.466	458.122
68.0	456.401	453.417	449.859	445.957	445.613
68.5	443.547	440.678	437.350	433.219	432.875
69.0	430.924	428.055	424.727	420.481	420.366
69.5	418.300	415.431	411.988	407.972	407.857
70.0	405.332	402.693	399.250	395.348	395.463
70.5	392.020	390.069	386.626	382.610	382.839
71.0	378.823	377.331	374.003	370.101	370.101
71.5	365.740	364.707	361.494	357.707	357.477
72.0	352.543	351.969	348.870	345.083	344.969
72.5	339.575	339.345	336.132	332.460	332.689
73.0	326.722	326.722	323.508	320.066	320.295
73.5	313.754	314.213	311.000	307.672	307.786
74.0	301.015	301.704	298.491	295.392	295.622
74.5	288.392	289.080	285.982	283.342	283.457
75.0	275.998	276.686	273.703	271.178	271.293
75.5	263.718	264.178	261.768	259.128	259.243
76.0	251.669	251.783	249.718	247.193	247.308
76.5	239.619	239.734	237.668	235.373	235.488
77.0	227.684	227.569	225.618	223.667	223.782
77.5	216.093	215.634	213.913	212.191	212.191
78.0	204.273	203.699	202.322	200.600	200.715
78.5	192.453	191.879	191.075	189.354	189.469
79.0	180.977	180.403	179.944	178.222	178.108
79.5	169.615	168.927	168.468	167.320	167.435
80.0	158.598	157.795	157.680	156.418	156.533
80.5	147.467	146.893	147.008	145.745	146.089
81.0	136.679	136.335	136.564	135.417	135.761
81.5	125.892	126.006	126.236	125.318	125.662
82.0	115.449	115.908	116.252	115.449	115.908
82.5	105.235	105.809	106.383	105.809	106.268

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CANDELA TABULATION - (Cont.)

83.0	95.251	96.284	96.628	96.628	97.087
83.5	85.840	86.873	87.332	87.447	88.021
84.0	76.660	77.807	78.266	78.611	79.070
84.5	67.479	69.086	69.430	70.004	70.577
85.0	58.987	60.364	60.823	61.741	62.200
85.5	50.724	52.216	52.560	53.708	54.281
86.0	42.805	44.183	44.642	45.789	46.593
86.5	35.231	36.379	36.953	38.215	39.018
87.0	28.231	29.034	29.723	30.985	31.789
87.5	21.690	22.263	22.837	23.985	24.788
88.0	15.722	16.066	16.525	17.673	18.476
88.5	10.443	10.558	11.017	11.935	12.624
89.0	5.968	5.968	6.541	7.230	7.918
89.5	2.869	2.754	3.213	3.787	4.246
90.0	1.262	1.262	1.607	1.721	1.951
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
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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

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	599.01	N.A.	13.60
0-30	1255.61	N.A.	28.50
0-40	2030.35	N.A.	46.20
0-60	3514.28	N.A.	79.90
0-80	4325.72	N.A.	98.40
0-90	4397.92	N.A.	100.00
10-90	4241.56	N.A.	96.40
20-40	1431.33	N.A.	32.50
20-50	2218.36	N.A.	50.40
40-70	2005.07	N.A.	45.60
60-80	811.45	N.A.	18.50
70-80	290.30	N.A.	6.60
80-90	72.20	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	4397.96	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	156.36
10-20	442.66
20-30	656.60
30-40	774.73
40-50	787.03
50-60	696.90
60-70	521.14
70-80	290.30
80-90	72.20
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

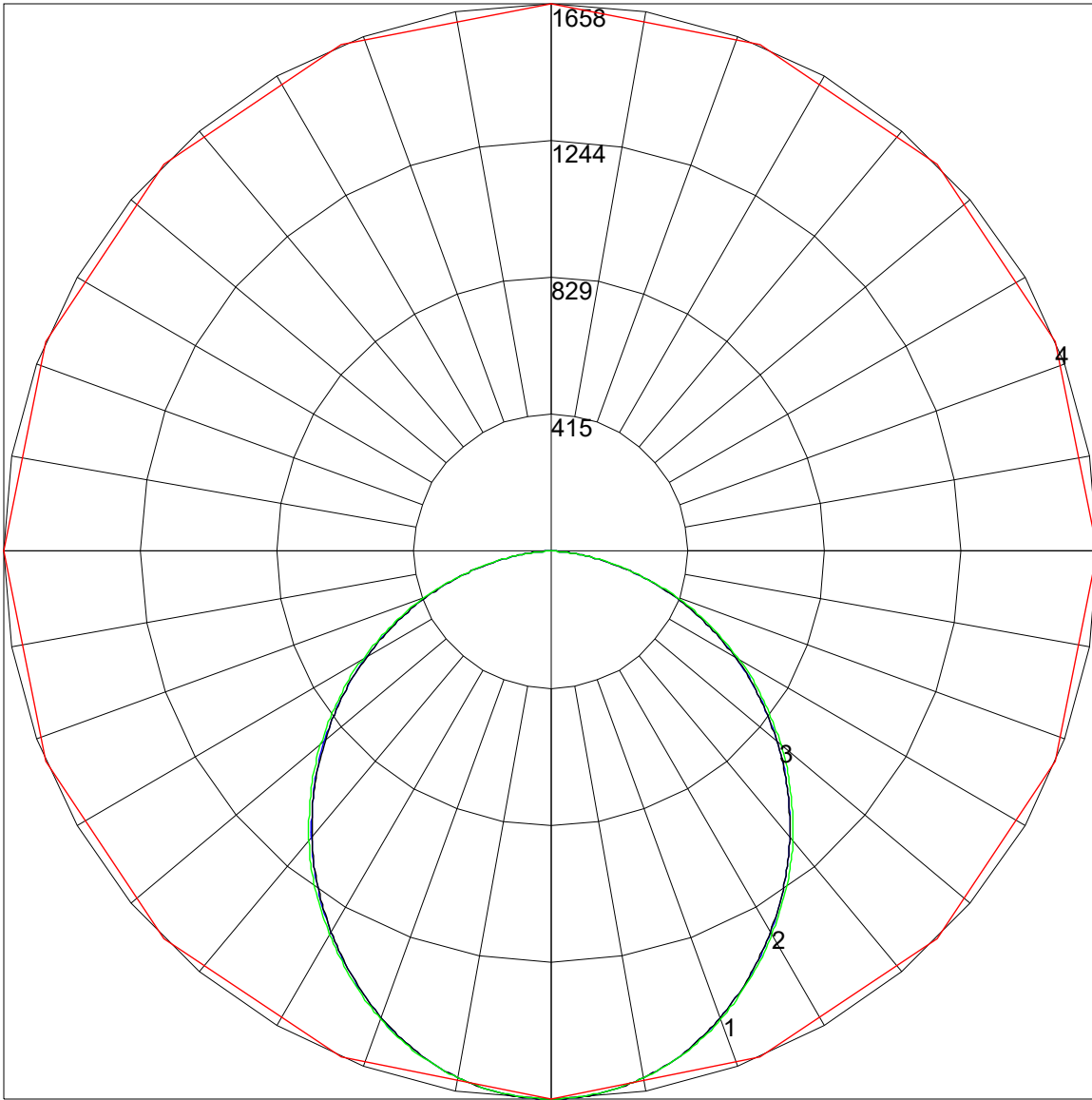
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	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 = 1658.282 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.)