



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LWT2239L40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 11994851.01P
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 10/17/2017
 [MANUFAC] Lamar Lighting Co Inc
 [LUMCAT] LWT2239L40-XXX
 [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, 31.3384 W, 0.99714 PF, 59.9981 H
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3961
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	31.3384
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	4194	4160	4134
55	3959	3918	3887
65	3629	3591	3556
75	3074	3049	3022
85	1951	2012	2057

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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	1492.611	1492.611	1492.611	1492.611	1492.611
0.5	1492.611	1492.611	1492.611	1493.644	1493.644
1.0	1492.611	1491.577	1492.611	1492.611	1493.644
1.5	1491.577	1491.577	1492.611	1492.611	1493.644
2.0	1490.543	1491.577	1491.577	1491.577	1492.611
2.5	1490.543	1490.543	1490.543	1491.577	1491.577
3.0	1489.510	1489.510	1489.510	1490.543	1490.543
3.5	1488.476	1488.476	1488.476	1488.476	1489.510
4.0	1486.409	1487.442	1487.442	1487.442	1488.476
4.5	1485.375	1485.375	1486.409	1486.409	1486.409
5.0	1483.308	1483.308	1484.341	1484.341	1485.375
5.5	1482.274	1482.274	1482.274	1482.274	1483.308
6.0	1480.207	1480.207	1480.207	1480.207	1481.240
6.5	1478.140	1478.140	1478.140	1478.140	1478.140
7.0	1476.072	1475.039	1476.072	1476.072	1476.072
7.5	1472.971	1472.971	1472.971	1472.971	1472.971
8.0	1469.870	1469.870	1470.904	1469.870	1470.904
8.5	1467.803	1467.803	1467.803	1466.769	1467.803
9.0	1464.702	1464.702	1464.702	1463.668	1464.702
9.5	1461.601	1461.601	1461.601	1460.567	1461.601
10.0	1458.500	1457.466	1457.466	1457.466	1457.466
10.5	1454.365	1454.365	1454.365	1454.365	1454.365
11.0	1451.264	1450.231	1450.231	1450.231	1450.231
11.5	1447.130	1447.130	1446.096	1446.096	1446.096
12.0	1442.995	1442.995	1441.961	1441.961	1441.961
12.5	1438.860	1438.860	1437.827	1437.827	1437.827
13.0	1434.726	1434.726	1433.692	1433.692	1433.692
13.5	1430.591	1429.557	1428.524	1428.524	1428.524
14.0	1425.423	1425.423	1424.389	1423.355	1424.389
14.5	1421.288	1420.254	1419.221	1419.221	1419.221
15.0	1416.120	1415.086	1415.086	1414.052	1414.052
15.5	1410.951	1409.918	1409.918	1408.884	1408.884
16.0	1405.783	1404.749	1403.716	1402.682	1402.682
16.5	1400.615	1399.581	1398.547	1397.514	1397.514
17.0	1394.413	1394.413	1393.379	1391.312	1391.312
17.5	1389.244	1388.211	1387.177	1386.143	1385.110
18.0	1383.042	1382.009	1380.975	1379.941	1379.941
18.5	1376.840	1376.840	1375.807	1373.739	1372.706
19.0	1370.638	1370.638	1369.605	1367.537	1366.504
19.5	1364.436	1364.436	1363.403	1360.302	1360.302
20.0	1358.234	1357.201	1356.167	1354.100	1354.100
20.5	1350.999	1350.999	1349.965	1346.864	1346.864
21.0	1344.797	1343.763	1342.730	1340.662	1339.629
21.5	1337.561	1337.561	1335.494	1333.427	1333.427
22.0	1331.359	1330.326	1328.258	1326.191	1326.191
22.5	1324.124	1323.090	1321.023	1318.955	1318.955
23.0	1316.888	1315.854	1313.787	1311.720	1310.686
23.5	1309.652	1308.619	1306.551	1304.484	1303.450
24.0	1302.417	1301.383	1299.316	1297.248	1296.215
24.5	1295.181	1294.147	1292.080	1288.979	1287.945
25.0	1286.912	1285.878	1283.811	1280.710	1280.710
25.5	1279.676	1278.642	1276.575	1273.474	1272.440
26.0	1272.440	1270.373	1268.306	1265.205	1265.205
26.5	1264.171	1263.137	1261.070	1257.969	1256.935

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CANDELA TABULATION - (Cont.)

27.0	1255.902	1255.902	1252.801	1249.700	1248.666
27.5	1248.666	1247.632	1245.565	1241.430	1240.397
28.0	1240.397	1239.363	1237.296	1233.161	1232.127
28.5	1232.127	1231.094	1229.026	1224.892	1223.858
29.0	1222.824	1222.824	1220.757	1216.623	1215.589
29.5	1214.555	1214.555	1212.488	1208.353	1207.320
30.0	1206.286	1206.286	1203.185	1200.084	1199.050
30.5	1198.017	1198.017	1194.916	1190.781	1189.747
31.0	1189.747	1189.747	1186.646	1182.512	1181.478
31.5	1181.478	1181.478	1178.377	1174.242	1173.209
32.0	1173.209	1172.175	1169.074	1164.939	1163.906
32.5	1164.939	1163.906	1159.771	1156.670	1155.636
33.0	1155.636	1155.636	1151.502	1147.367	1146.333
33.5	1147.367	1146.333	1142.199	1138.064	1138.064
34.0	1139.098	1137.030	1133.929	1129.795	1128.761
34.5	1130.828	1128.761	1124.626	1120.492	1119.458
35.0	1122.559	1119.458	1116.357	1111.189	1110.155
35.5	1113.256	1110.155	1107.054	1101.886	1100.852
36.0	1103.953	1101.886	1097.751	1093.616	1091.549
36.5	1095.684	1092.583	1088.448	1083.280	1082.246
37.0	1086.381	1083.280	1079.145	1073.977	1073.977
37.5	1076.044	1073.977	1069.842	1064.674	1063.640
38.0	1066.741	1064.674	1060.539	1055.371	1054.337
38.5	1057.438	1055.371	1051.236	1045.034	1044.001
39.0	1048.135	1045.034	1040.900	1035.731	1034.698
39.5	1037.799	1035.731	1031.803	1025.912	1024.878
40.0	1027.565	1026.015	1021.570	1015.988	1015.058
40.5	1017.539	1016.092	1011.440	1005.962	1005.135
41.0	1007.099	1006.272	1001.414	995.935	995.108
41.5	996.969	996.245	991.284	986.012	985.082
42.0	987.046	986.115	981.257	975.882	974.952
42.5	976.916	976.089	971.024	965.649	964.719
43.0	966.786	965.752	960.791	955.416	954.485
43.5	956.759	955.312	950.351	945.079	944.252
44.0	946.733	944.872	940.014	934.742	933.915
44.5	936.603	934.329	929.367	924.406	923.682
45.0	926.473	923.889	919.031	913.966	913.345
45.5	916.343	913.345	908.591	903.629	902.492
46.0	906.006	902.802	898.357	892.982	891.949
46.5	895.670	892.155	887.711	882.439	881.095
47.0	885.230	881.509	877.064	871.689	870.552
47.5	874.583	870.862	866.521	860.835	859.905
48.0	863.936	860.112	855.770	850.189	849.155
48.5	853.290	849.465	844.917	839.335	838.301
49.0	842.126	838.612	834.270	828.378	827.241
49.5	830.962	827.965	823.520	817.525	816.181
50.0	820.006	817.111	812.667	806.568	805.431
50.5	808.945	806.258	801.917	796.025	794.991
51.0	797.782	795.818	791.063	785.068	784.034
51.5	786.825	784.861	780.003	774.111	773.181
52.0	775.558	773.904	768.633	763.154	762.224
52.5	764.395	762.844	757.676	752.197	751.474
53.0	753.231	751.887	746.512	741.240	740.310
53.5	742.171	740.827	735.452	730.284	729.353
54.0	731.317	729.457	724.392	719.223	718.396
54.5	720.464	718.190	713.228	708.267	707.440

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55.0	709.507	706.923	702.065	697.103	696.586
55.5	698.447	695.759	690.798	686.043	685.423
56.0	687.490	684.492	679.737	674.983	674.259
56.5	676.533	673.225	668.574	663.922	662.992
57.0	665.370	661.855	657.514	652.655	651.829
57.5	654.309	650.691	646.453	641.389	640.665
58.0	643.249	639.425	635.290	630.018	629.191
58.5	632.086	627.951	624.023	618.751	617.924
59.0	620.302	616.581	612.549	607.278	606.657
59.5	608.415	605.314	601.076	596.011	595.390
60.0	596.631	594.047	589.705	584.537	584.124
60.5	584.847	582.676	578.335	573.063	572.546
61.0	572.960	571.203	566.965	561.590	561.073
61.5	561.176	559.729	555.594	550.116	549.703
62.0	549.496	548.359	543.914	538.642	538.436
62.5	537.815	536.782	532.234	527.065	527.065
63.0	526.135	524.998	520.657	515.798	515.592
63.5	513.938	513.318	508.873	504.428	504.118
64.0	502.154	501.637	497.296	492.851	492.644
64.5	490.474	489.957	485.719	481.481	481.171
65.0	479.207	478.276	474.142	470.007	469.594
65.5	467.836	466.596	462.565	458.533	458.223
66.0	456.569	454.916	450.988	447.060	446.956
66.5	445.406	443.235	439.307	435.689	435.586
67.0	434.139	431.658	427.937	424.319	424.112
67.5	422.665	420.081	416.463	412.949	412.639
68.0	411.088	408.401	405.196	401.682	401.372
68.5	399.511	396.927	393.929	390.208	389.898
69.0	388.141	385.557	382.559	378.734	378.631
69.5	376.771	374.186	371.085	367.468	367.364
70.0	365.090	362.713	359.612	356.097	356.201
70.5	353.100	351.342	348.241	344.624	344.830
71.0	341.212	339.869	336.871	333.357	333.357
71.5	329.429	328.498	325.604	322.193	321.986
72.0	317.542	317.025	314.234	310.823	310.719
72.5	305.861	305.654	302.760	299.452	299.659
73.0	294.284	294.284	291.390	288.289	288.496
73.5	282.604	283.017	280.123	277.125	277.229
74.0	271.130	271.750	268.856	266.065	266.272
74.5	259.760	260.380	257.589	255.212	255.315
75.0	248.596	249.216	246.529	244.255	244.358
75.5	237.536	237.949	235.779	233.401	233.505
76.0	226.683	226.786	224.925	222.651	222.755
76.5	215.829	215.932	214.072	212.004	212.108
77.0	205.079	204.976	203.218	201.461	201.564
77.5	194.639	194.225	192.675	191.124	191.124
78.0	183.992	183.475	182.235	180.684	180.788
78.5	173.345	172.829	172.105	170.555	170.658
79.0	163.009	162.492	162.079	160.528	160.425
79.5	152.776	152.155	151.742	150.708	150.812
80.0	142.852	142.129	142.025	140.888	140.992
80.5	132.826	132.309	132.412	131.275	131.585
81.0	123.109	122.799	123.006	121.972	122.282
81.5	113.393	113.496	113.703	112.876	113.186
82.0	103.987	104.400	104.710	103.987	104.400
82.5	94.787	95.304	95.821	95.304	95.717

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CANDELA TABULATION - (Cont.)

83.0	85.794	86.724	87.035	87.035	87.448
83.5	77.318	78.248	78.662	78.765	79.282
84.0	69.049	70.082	70.496	70.806	71.219
84.5	60.779	62.227	62.537	63.054	63.570
85.0	53.130	54.371	54.784	55.611	56.025
85.5	45.688	47.032	47.342	48.375	48.892
86.0	38.556	39.796	40.210	41.243	41.967
86.5	31.733	32.767	33.284	34.421	35.145
87.0	25.428	26.152	26.772	27.909	28.632
87.5	19.536	20.053	20.570	21.604	22.327
88.0	14.161	14.471	14.885	15.918	16.642
88.5	9.406	9.510	9.923	10.750	11.370
89.0	5.375	5.375	5.892	6.512	7.132
89.5	2.584	2.481	2.894	3.411	3.825
90.0	1.137	1.137	1.447	1.550	1.757
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 : LWT2239L40.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	539.54	N.A.	13.60
0-30	1130.95	N.A.	28.50
0-40	1828.77	N.A.	46.20
0-60	3165.37	N.A.	79.90
0-80	3896.26	N.A.	98.40
0-90	3961.28	N.A.	100.00
10-90	3820.45	N.A.	96.40
20-40	1289.23	N.A.	32.50
20-50	1998.12	N.A.	50.40
40-70	1806.01	N.A.	45.60
60-80	730.88	N.A.	18.50
70-80	261.48	N.A.	6.60
80-90	65.03	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	3961.32	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	140.83
10-20	398.71
20-30	591.41
30-40	697.81
40-50	708.89
50-60	627.71
60-70	469.40
70-80	261.48
80-90	65.03
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

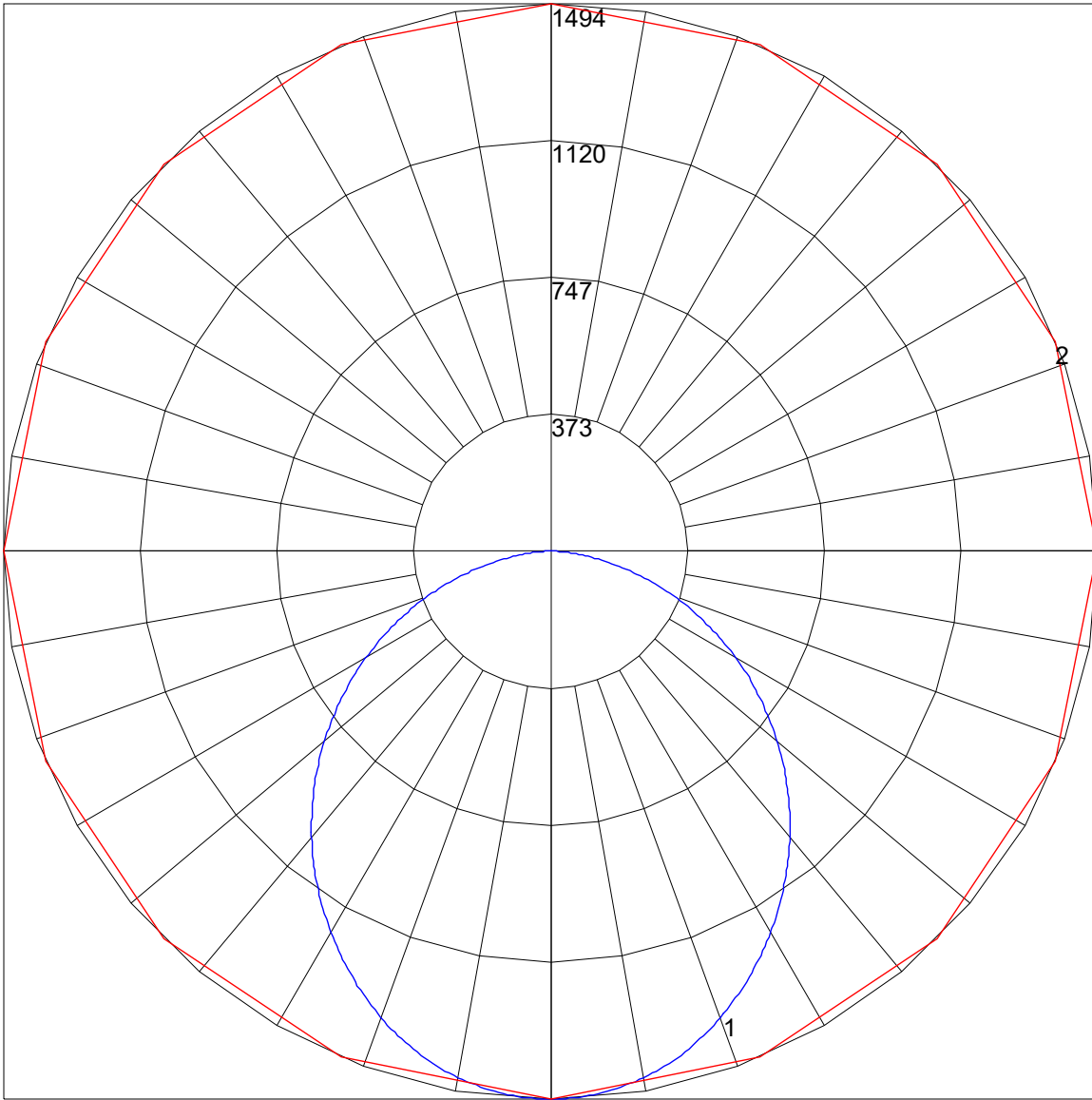
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1493.644 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)