



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LFL24L40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 11994851.01P6
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 10/17/2017
 [LUMCAT] LFL24L40
 [LUMINAIRE] 2x4 White formed steel housing, frosted plastic lens enclosure
 [LAMP] 512 white LEDs
 [BALLAST] One Osram OTi50/120-277/1A0 DIM-1 L driver
 [OTHER] 25.2 C, 119.97 V, 0.2902 A, 42.116 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	4680
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	42.116
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	2369	2350	2336
55	2237	2214	2196
65	2051	2029	2009
75	1737	1723	1707
85	1102	1137	1162

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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	1763.557	1763.557	1763.557	1763.557	1763.557
0.5	1763.557	1763.557	1763.557	1764.779	1764.779
1.0	1763.557	1762.336	1763.557	1763.557	1764.779
1.5	1762.336	1762.336	1763.557	1763.557	1764.779
2.0	1761.115	1762.336	1762.336	1762.336	1763.557
2.5	1761.115	1761.115	1761.115	1762.336	1762.336
3.0	1759.893	1759.893	1759.893	1761.115	1761.115
3.5	1758.672	1758.672	1758.672	1758.672	1759.893
4.0	1756.229	1757.451	1757.451	1757.451	1758.672
4.5	1755.008	1755.008	1756.229	1756.229	1756.229
5.0	1752.566	1752.566	1753.787	1753.787	1755.008
5.5	1751.344	1751.344	1751.344	1751.344	1752.566
6.0	1748.902	1748.902	1748.902	1748.902	1750.123
6.5	1746.459	1746.459	1746.459	1746.459	1746.459
7.0	1744.016	1742.795	1744.016	1744.016	1744.016
7.5	1740.353	1740.353	1740.353	1740.353	1740.353
8.0	1736.689	1736.689	1737.910	1736.689	1737.910
8.5	1734.246	1734.246	1734.246	1733.025	1734.246
9.0	1730.582	1730.582	1730.582	1729.361	1730.582
9.5	1726.918	1726.918	1726.918	1725.697	1726.918
10.0	1723.254	1722.033	1722.033	1722.033	1722.033
10.5	1718.369	1718.369	1718.369	1718.369	1718.369
11.0	1714.705	1713.484	1713.484	1713.484	1713.484
11.5	1709.820	1709.820	1708.599	1708.599	1708.599
12.0	1704.935	1704.935	1703.714	1703.714	1703.714
12.5	1700.050	1700.050	1698.828	1698.828	1698.828
13.0	1695.164	1695.164	1693.943	1693.943	1693.943
13.5	1690.279	1689.058	1687.837	1687.837	1687.837
14.0	1684.173	1684.173	1682.951	1681.730	1682.951
14.5	1679.288	1678.066	1676.845	1676.845	1676.845
15.0	1673.181	1671.960	1671.960	1670.738	1670.738
15.5	1667.075	1665.853	1665.853	1664.632	1664.632
16.0	1660.968	1659.747	1658.525	1657.304	1657.304
16.5	1654.862	1653.640	1652.419	1651.198	1651.198
17.0	1647.534	1647.534	1646.312	1643.870	1643.870
17.5	1641.427	1640.206	1638.985	1637.763	1636.542
18.0	1634.099	1632.878	1631.657	1630.436	1630.436
18.5	1626.772	1626.772	1625.550	1623.108	1621.886
19.0	1619.444	1619.444	1618.223	1615.780	1614.559
19.5	1612.116	1612.116	1610.895	1607.231	1607.231
20.0	1604.788	1603.567	1602.346	1599.903	1599.903
20.5	1596.239	1596.239	1595.018	1591.354	1591.354
21.0	1588.911	1587.690	1586.469	1584.026	1582.805
21.5	1580.362	1580.362	1577.920	1575.477	1575.477
22.0	1573.034	1571.813	1569.371	1566.928	1566.928
22.5	1564.485	1563.264	1560.821	1558.379	1558.379
23.0	1555.936	1554.715	1552.272	1549.830	1548.608
23.5	1547.387	1546.166	1543.723	1541.281	1540.059
24.0	1538.838	1537.617	1535.174	1532.732	1531.510
24.5	1530.289	1529.068	1526.625	1522.961	1521.740
25.0	1520.519	1519.297	1516.855	1513.191	1513.191
25.5	1511.969	1510.748	1508.306	1504.642	1503.420
26.0	1503.420	1500.978	1498.535	1494.871	1494.871
26.5	1493.650	1492.429	1489.986	1486.322	1485.101

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CANDELA TABULATION - (Cont.)

27.0	1483.880	1483.880	1480.216	1476.552	1475.330
27.5	1475.330	1474.109	1471.667	1466.781	1465.560
28.0	1465.560	1464.339	1461.896	1457.011	1455.790
28.5	1455.790	1454.568	1452.126	1447.241	1446.019
29.0	1444.798	1444.798	1442.355	1437.470	1436.249
29.5	1435.028	1435.028	1432.585	1427.700	1426.478
30.0	1425.257	1425.257	1421.593	1417.929	1416.708
30.5	1415.487	1415.487	1411.823	1406.938	1405.716
31.0	1405.716	1405.716	1402.052	1397.167	1395.946
31.5	1395.946	1395.946	1392.282	1387.397	1386.176
32.0	1386.176	1384.954	1381.290	1376.405	1375.184
32.5	1376.405	1375.184	1370.299	1366.635	1365.413
33.0	1365.413	1365.413	1360.528	1355.643	1354.422
33.5	1355.643	1354.422	1349.537	1344.651	1344.651
34.0	1345.873	1343.430	1339.766	1334.881	1333.660
34.5	1336.102	1333.660	1328.774	1323.889	1322.668
35.0	1326.332	1322.668	1319.004	1312.898	1311.676
35.5	1315.340	1311.676	1308.012	1301.906	1300.685
36.0	1304.348	1301.906	1297.021	1292.135	1289.693
36.5	1294.578	1290.914	1286.029	1279.922	1278.701
37.0	1283.586	1279.922	1275.037	1268.931	1268.931
37.5	1271.373	1268.931	1264.046	1257.939	1256.718
38.0	1260.382	1257.939	1253.054	1246.947	1245.726
38.5	1249.390	1246.947	1242.062	1234.734	1233.513
39.0	1238.398	1234.734	1229.849	1223.743	1222.521
39.5	1226.185	1223.743	1219.102	1212.140	1210.919
40.0	1214.094	1212.262	1207.011	1200.416	1199.317
40.5	1202.248	1200.538	1195.042	1188.569	1187.592
41.0	1189.913	1188.936	1183.195	1176.723	1175.746
41.5	1177.944	1177.089	1171.227	1164.998	1163.899
42.0	1166.219	1165.120	1159.380	1153.029	1151.930
42.5	1154.251	1153.274	1147.289	1140.938	1139.839
43.0	1142.282	1141.061	1135.198	1128.848	1127.748
43.5	1130.435	1128.725	1122.863	1116.635	1115.658
44.0	1118.589	1116.390	1110.650	1104.422	1103.445
44.5	1106.620	1103.933	1098.071	1092.209	1091.354
45.0	1094.651	1091.598	1085.858	1079.873	1079.141
45.5	1082.682	1079.141	1073.523	1067.660	1066.317
46.0	1070.469	1066.683	1061.432	1055.081	1053.860
46.5	1058.256	1054.104	1048.852	1042.624	1041.036
47.0	1045.921	1041.525	1036.273	1029.922	1028.579
47.5	1033.342	1028.945	1023.816	1017.099	1015.999
48.0	1020.763	1016.244	1011.114	1004.519	1003.298
48.5	1008.183	1003.664	998.291	991.696	990.474
49.0	994.993	990.841	985.711	978.750	977.406
49.5	981.803	978.261	973.010	965.926	964.338
50.0	968.857	965.438	960.186	952.980	951.637
50.5	955.789	952.614	947.485	940.523	939.302
51.0	942.599	940.279	934.661	927.577	926.356
51.5	929.654	927.333	921.593	914.632	913.532
52.0	916.341	914.387	908.159	901.686	900.587
52.5	903.151	901.319	895.213	888.740	887.885
53.0	889.961	888.374	882.023	875.794	874.695
53.5	876.893	875.306	868.955	862.848	861.749
54.0	864.070	861.871	855.887	849.781	848.804
54.5	851.246	848.559	842.697	836.835	835.858

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CANDELA TABULATION - (Cont.)

55.0	838.300	835.247	829.507	823.645	823.034
55.5	825.232	822.057	816.195	810.577	809.844
56.0	812.287	808.745	803.127	797.509	796.654
56.5	799.341	795.433	789.937	784.441	783.342
57.0	786.151	781.998	776.869	771.129	770.152
57.5	773.083	768.808	763.801	757.817	756.962
58.0	760.015	755.496	750.611	744.382	743.405
58.5	746.825	741.940	737.299	731.070	730.093
59.0	732.902	728.505	723.742	717.514	716.781
59.5	718.857	715.193	710.186	704.202	703.469
60.0	704.934	701.881	696.752	690.645	690.157
60.5	691.012	688.447	683.317	677.089	676.478
61.0	676.967	674.890	669.883	663.532	662.922
61.5	663.044	661.334	656.449	649.976	649.487
62.0	649.243	647.900	642.648	636.419	636.175
62.5	635.442	634.221	628.847	622.741	622.741
63.0	621.642	620.298	615.169	609.429	609.184
63.5	607.230	606.498	601.246	595.994	595.628
64.0	593.308	592.697	587.567	582.316	582.072
64.5	579.507	578.896	573.889	568.882	568.515
65.0	566.195	565.096	560.210	555.325	554.837
65.5	552.760	551.295	546.532	541.769	541.402
66.0	539.448	537.494	532.853	528.212	528.090
66.5	526.258	523.693	519.053	514.778	514.656
67.0	512.946	510.015	505.618	501.344	501.099
67.5	499.390	496.336	492.062	487.909	487.543
68.0	485.711	482.536	478.750	474.597	474.231
68.5	472.032	468.979	465.437	461.041	460.674
69.0	458.598	455.545	452.003	447.484	447.362
69.5	445.164	442.111	438.447	434.172	434.050
70.0	431.363	428.554	424.890	420.738	420.860
70.5	417.196	415.120	411.456	407.181	407.426
71.0	403.151	401.563	398.022	393.869	393.869
71.5	389.228	388.129	384.710	380.679	380.435
72.0	375.183	374.573	371.275	367.245	367.123
72.5	361.383	361.138	357.719	353.811	354.055
73.0	347.704	347.704	344.284	340.621	340.865
73.5	333.903	334.392	330.972	327.431	327.553
74.0	320.347	321.080	317.660	314.363	314.607
74.5	306.913	307.645	304.348	301.539	301.661
75.0	293.723	294.455	291.280	288.593	288.715
75.5	280.655	281.143	278.579	275.770	275.892
76.0	267.831	267.953	265.755	263.068	263.190
76.5	255.007	255.130	252.931	250.489	250.611
77.0	242.306	242.184	240.108	238.031	238.154
77.5	229.971	229.482	227.650	225.818	225.818
78.0	217.391	216.781	215.315	213.483	213.605
78.5	204.812	204.201	203.346	201.515	201.637
79.0	192.599	191.988	191.500	189.668	189.546
79.5	180.508	179.775	179.287	178.066	178.188
80.0	168.784	167.929	167.807	166.463	166.585
80.5	156.937	156.326	156.449	155.105	155.471
81.0	145.457	145.090	145.335	144.113	144.480
81.5	133.977	134.099	134.343	133.366	133.732
82.0	122.863	123.351	123.718	122.863	123.351
82.5	111.993	112.604	113.215	112.604	113.092

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CANDELA TABULATION - (Cont.)

83.0	101.368	102.467	102.833	102.833	103.322
83.5	91.353	92.452	92.941	93.063	93.674
84.0	81.583	82.804	83.293	83.659	84.148
84.5	71.812	73.522	73.889	74.499	75.110
85.0	62.775	64.240	64.729	65.706	66.194
85.5	53.981	55.569	55.936	57.157	57.767
86.0	45.554	47.020	47.509	48.730	49.585
86.5	37.494	38.715	39.326	40.669	41.524
87.0	30.044	30.899	31.632	32.975	33.830
87.5	23.083	23.693	24.304	25.525	26.380
88.0	16.732	17.098	17.587	18.808	19.663
88.5	11.114	11.236	11.724	12.702	13.434
89.0	6.351	6.351	6.961	7.694	8.427
89.5	3.053	2.931	3.420	4.030	4.519
90.0	1.343	1.343	1.710	1.832	2.076
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

**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	637.48	N.A.	13.60
0-30	1336.25	N.A.	28.50
0-40	2160.74	N.A.	46.20
0-60	3739.97	N.A.	79.90
0-80	4603.52	N.A.	98.40
0-90	4680.36	N.A.	100.00
10-90	4513.96	N.A.	96.40
20-40	1523.25	N.A.	32.50
20-50	2360.83	N.A.	50.40
40-70	2133.84	N.A.	45.60
60-80	863.56	N.A.	18.50
70-80	308.95	N.A.	6.60
80-90	76.83	N.A.	1.60
90-110	0.05	N.A.	0.00
90-120	0.05	N.A.	0.00
90-130	0.05	N.A.	0.00
90-150	0.05	N.A.	0.00
90-180	0.05	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4680.4	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	166.40
10-20	471.08
20-30	698.77
30-40	824.48
40-50	837.57
50-60	741.66
60-70	554.61
70-80	308.95
80-90	76.83
90-100	0.05
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

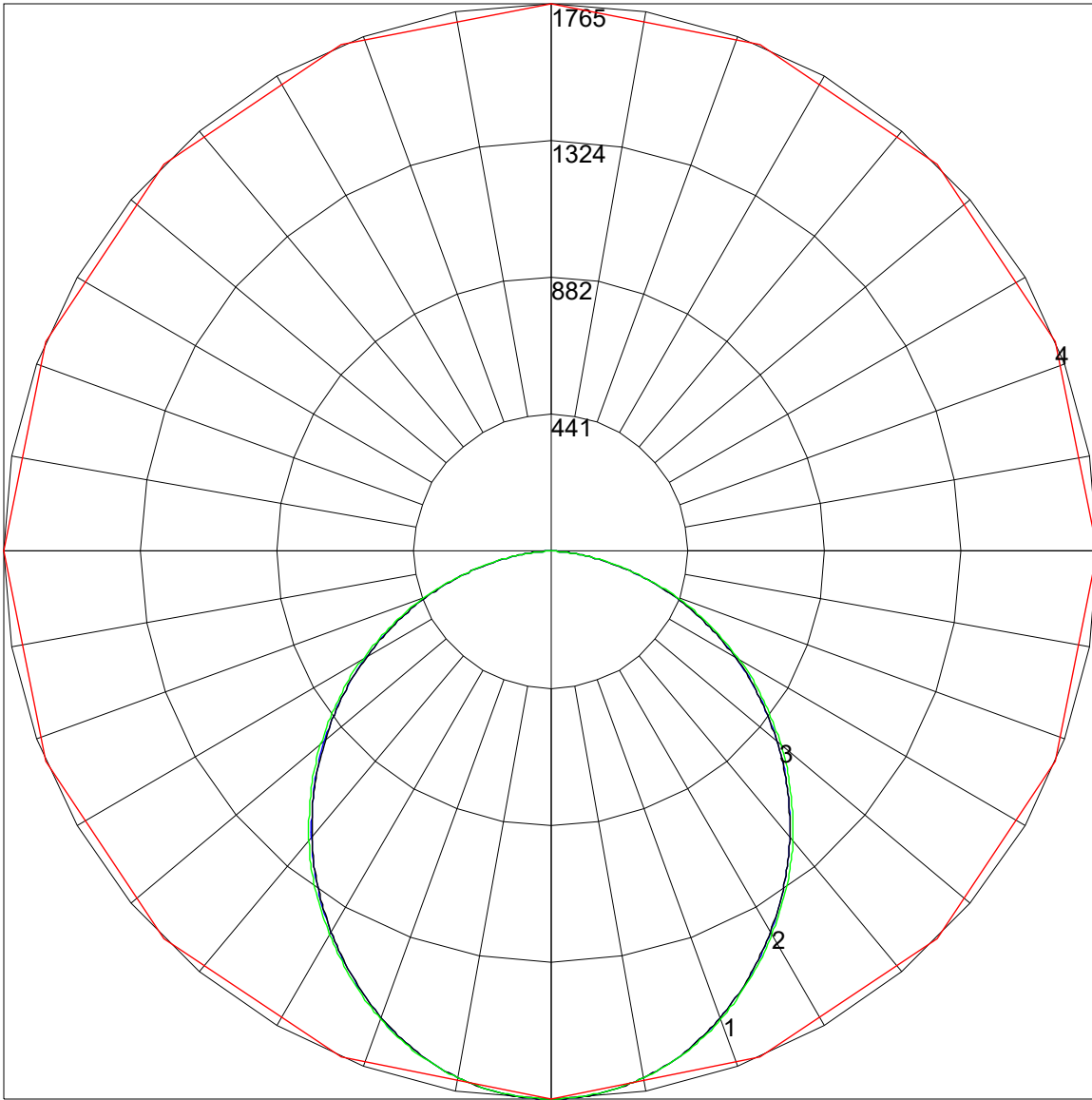
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1764.779 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.)