



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : 44-48LED35DMVFR35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLIA000657-016  
 [TESTLAB] LightLab International Allentown, LLC  
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA  
 [LUMCAT] 44-48LED35DMVFR35  
 [LUMINAIRE] Catalog Number: 44-48LED35DMVFR35  
 [MORE] Surface/pendant mounted, white formed steel housing and LED tray, frosted plastic lens  
 [MORE] enclosure with white steel endcaps. 128 white LEDs, four Universal Lighting Technologies  
 [MORE] Everline M10CC835D32N2S boards with 32 LED each. One Universal Lighting  
 [MORE] Technologies Everline D10CC55UNVTZ-C LED driver set at 637mA.  
 [MORE] 120.0Vac, 60.0Hz, 0.29A, 35.0W, 0.998PF, 5.14%THD(i)  
 [OTHER] Absolute test - lamp lumens value set to -1  
 [MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.  
 [MORE] The sample was tested at a distance of 9.5m.  
 [MORE] This IES file was extrapolated from 44-48LED57DMVFR30  
 [DATE] The original file was created: Wednesday, October 12, 2016 2:57:52 PM  
 [ISSUE DATE] Wednesday, October 12, 2016 2:57:52 PM

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4380
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	35
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.11 m
Luminous Height	0.03 m

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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9190	8073	7642
55	8000	6827	6549
65	6667	5594	5657
75	5231	4483	4859
85	3649	3571	4164

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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	1554.550	1554.550	1554.550	1554.550	1554.550
0.5	1547.578	1549.781	1559.617	1559.087	1551.203
1.0	1547.300	1549.549	1559.403	1558.789	1551.067
1.5	1547.061	1549.200	1558.945	1558.421	1550.802
2.0	1546.589	1548.741	1558.434	1557.814	1550.285
2.5	1545.801	1548.056	1557.788	1557.142	1549.697
3.0	1544.974	1547.184	1556.890	1556.347	1548.870
3.5	1543.992	1546.195	1555.901	1555.423	1547.888
4.0	1542.770	1545.032	1554.809	1554.266	1546.861
4.5	1541.471	1543.836	1553.478	1552.935	1545.646
5.0	1539.992	1542.318	1551.979	1551.494	1544.256
5.5	1538.421	1540.689	1550.311	1549.930	1542.718
6.0	1536.580	1538.983	1548.586	1548.140	1540.993
6.5	1534.738	1537.097	1546.596	1546.208	1539.235
7.0	1532.593	1535.067	1544.508	1544.114	1537.116
7.5	1530.286	1532.890	1542.324	1541.827	1534.925
8.0	1528.050	1530.479	1539.882	1539.332	1532.431
8.5	1525.426	1527.940	1537.252	1536.683	1529.814
9.0	1522.803	1525.336	1534.518	1533.956	1527.242
9.5	1519.985	1522.486	1531.649	1531.087	1524.334
10.0	1517.051	1519.462	1528.567	1527.895	1521.310
10.5	1513.853	1516.341	1525.387	1524.547	1518.053
11.0	1510.699	1513.110	1522.014	1521.219	1514.635
11.5	1507.113	1509.620	1518.402	1517.530	1511.003
12.0	1503.610	1506.014	1514.725	1513.659	1507.262
12.5	1499.875	1502.318	1510.925	1509.769	1503.410
13.0	1495.882	1498.363	1506.848	1505.640	1499.346
13.5	1491.882	1494.318	1502.770	1501.355	1495.139
14.0	1487.656	1490.092	1498.312	1496.825	1490.583
14.5	1483.300	1485.627	1493.801	1492.050	1485.853
15.0	1478.725	1481.239	1489.213	1487.242	1481.161
15.5	1474.105	1476.573	1484.418	1482.273	1476.263
16.0	1469.174	1471.721	1479.275	1476.909	1471.120
16.5	1464.160	1466.628	1474.137	1471.701	1465.795
17.0	1459.023	1461.472	1468.767	1466.131	1460.134
17.5	1453.750	1456.134	1463.352	1460.418	1454.629
18.0	1448.289	1450.648	1457.582	1454.532	1448.787
18.5	1442.648	1445.013	1451.753	1448.503	1442.797
19.0	1436.761	1439.217	1445.659	1442.202	1436.503
19.5	1430.952	1433.233	1439.462	1435.915	1430.176
20.0	1424.949	1427.126	1433.220	1429.239	1423.650
20.5	1418.739	1420.761	1426.596	1422.415	1416.858
21.0	1412.212	1414.280	1419.966	1415.572	1410.034
21.5	1405.821	1407.721	1413.149	1408.548	1403.165
22.0	1398.997	1400.826	1406.054	1401.220	1395.708
22.5	1392.212	1393.828	1398.907	1393.750	1388.257
23.0	1385.084	1386.765	1391.618	1386.215	1380.716
23.5	1377.802	1379.411	1384.115	1378.248	1373.013
24.0	1370.623	1371.999	1376.425	1370.442	1365.136
24.5	1363.088	1364.361	1368.619	1362.306	1357.020
25.0	1355.346	1356.516	1360.484	1353.912	1348.716
25.5	1347.618	1348.626	1352.380	1345.485	1340.322
26.0	1339.663	1340.477	1344.090	1336.968	1331.831
26.5	1331.275	1332.083	1335.560	1328.096	1323.062

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**CANDELA TABULATION - (Cont.)**

27.0	1323.010	1323.689	1326.836	1319.120	1314.138
27.5	1314.532	1315.107	1318.099	1310.074	1305.059
28.0	1305.660	1306.229	1309.040	1300.781	1295.831
28.5	1297.020	1297.337	1299.915	1291.340	1286.533
29.0	1287.967	1288.206	1290.713	1281.757	1277.053
29.5	1278.726	1278.823	1281.188	1272.064	1267.256
30.0	1269.544	1269.537	1271.651	1262.255	1257.518
30.5	1260.116	1259.987	1261.880	1252.174	1247.625
31.0	1250.281	1250.113	1251.896	1241.906	1237.408
31.5	1240.523	1240.245	1241.893	1231.683	1227.198
32.0	1230.623	1230.197	1231.786	1221.292	1216.885
32.5	1220.368	1219.948	1221.337	1210.669	1206.287
33.0	1210.145	1209.602	1210.927	1200.045	1195.677
33.5	1199.722	1199.218	1200.349	1189.247	1184.924
34.0	1189.027	1188.394	1189.551	1178.184	1174.087
34.5	1178.333	1177.654	1178.779	1167.250	1163.115
35.0	1167.444	1166.759	1167.845	1156.116	1152.052
35.5	1156.213	1155.548	1156.601	1144.717	1140.666
36.0	1144.957	1144.291	1145.364	1133.280	1129.409
36.5	1133.771	1133.131	1134.204	1121.926	1118.191
37.0	1122.042	1121.519	1122.663	1110.178	1106.521
37.5	1110.527	1109.939	1111.122	1098.566	1095.147
38.0	1098.721	1098.288	1099.522	1086.831	1083.548
38.5	1086.753	1086.346	1087.697	1074.831	1071.736
39.0	1074.734	1074.476	1075.975	1063.044	1060.039
39.5	1062.527	1062.463	1064.072	1051.096	1048.169
40.0	1049.972	1050.262	1051.833	1038.799	1036.175
40.5	1037.694	1038.140	1039.859	1026.915	1024.363
41.0	1025.183	1025.914	1027.833	1014.805	1012.473
41.5	1012.285	1013.481	1015.452	1002.547	1000.343
42.0	999.678	1001.125	1003.264	990.334	988.434
42.5	987.012	988.692	990.961	978.153	976.428
43.0	973.985	976.001	978.327	965.830	964.247
43.5	961.132	963.465	966.050	953.533	952.389
44.0	948.130	950.877	953.455	941.268	940.350
44.5	934.935	938.030	940.719	928.770	927.963
45.0	921.921	925.326	928.247	916.589	916.053
45.5	908.932	912.583	915.730	904.376	904.182
46.0	895.459	899.594	902.955	891.989	892.002
46.5	882.250	886.793	890.373	879.788	880.079
47.0	869.074	873.986	877.669	867.614	868.241
47.5	855.679	860.874	864.932	855.272	856.312
48.0	842.354	848.086	852.260	843.136	844.435
48.5	829.139	835.194	839.498	831.013	832.648
49.0	815.653	822.167	826.697	818.787	820.739
49.5	802.374	809.346	814.057	806.878	809.217
50.0	789.159	796.442	801.443	794.949	797.747
50.5	775.530	783.362	788.655	782.813	786.005
51.0	762.380	770.606	776.073	771.052	774.703
51.5	749.217	757.773	763.531	759.337	763.337
52.0	735.776	744.855	750.852	747.576	751.899
52.5	722.613	731.996	738.342	735.938	740.733
53.0	709.398	719.240	725.864	724.326	729.592
53.5	696.009	706.413	713.230	712.733	718.465
54.0	683.001	693.747	700.965	701.431	707.576
54.5	669.896	681.075	688.636	690.161	696.720

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**CANDELA TABULATION - (Cont.)**

55.0	656.630	668.229	676.190	678.794	685.825
55.5	643.738	655.790	664.106	667.712	675.227
56.0	630.859	643.331	651.996	656.785	664.746
56.5	617.825	630.672	639.751	645.735	654.097
57.0	604.921	618.291	627.796	634.898	643.803
57.5	592.120	605.897	615.893	624.158	633.431
58.0	579.215	593.412	603.919	613.412	623.124
58.5	566.562	581.238	592.288	602.885	613.102
59.0	553.948	569.057	580.617	592.443	603.047
59.5	541.361	556.766	568.940	582.052	593.005
60.0	528.947	544.844	557.496	571.848	583.189
60.5	516.650	532.889	546.181	561.709	573.509
61.0	504.075	520.805	534.685	551.448	563.603
61.5	491.894	508.992	523.564	541.548	554.039
62.0	479.907	497.225	512.450	531.668	544.514
62.5	467.636	485.419	501.419	521.832	534.957
63.0	455.791	473.930	490.576	512.133	525.587
63.5	443.959	462.414	479.842	502.524	516.256
64.0	432.043	450.886	469.038	492.921	506.860
64.5	420.508	439.623	458.602	483.506	497.820
65.0	408.967	428.334	448.166	474.123	488.689
65.5	397.400	416.935	437.762	464.728	479.429
66.0	386.117	405.917	427.545	455.584	470.511
66.5	374.919	395.009	417.516	446.492	461.594
67.0	363.656	383.953	407.461	437.342	452.560
67.5	352.683	373.277	397.575	428.379	443.778
68.0	341.782	362.583	387.823	419.539	435.041
68.5	330.906	351.862	378.079	410.667	426.292
69.0	320.347	341.497	368.638	401.923	417.639
69.5	309.821	331.100	359.268	393.303	409.006
70.0	299.197	320.780	349.866	384.560	400.302
70.5	288.922	310.667	340.709	376.088	391.875
71.0	278.900	300.780	331.720	367.668	383.365
71.5	268.696	290.816	322.654	359.177	375.009
72.0	258.842	281.142	313.859	350.906	366.641
72.5	249.188	271.611	305.200	342.719	358.415
73.0	239.488	262.306	296.535	334.460	350.156
73.5	230.131	252.949	288.115	326.447	342.008
74.0	220.716	243.779	279.701	318.344	333.859
74.5	211.572	234.752	271.456	310.402	325.795
75.0	202.616	226.034	263.411	302.583	317.905
75.5	193.828	217.382	255.443	294.874	310.027
76.0	185.039	208.787	247.520	287.074	302.124
76.5	176.503	200.477	239.811	279.546	294.493
77.0	168.232	192.341	232.264	272.102	286.822
77.5	159.922	184.283	224.723	264.619	279.217
78.0	151.902	176.406	217.349	257.265	271.740
78.5	143.909	168.691	210.131	250.112	264.289
79.0	136.083	161.040	202.913	242.874	256.961
79.5	128.607	153.725	196.012	235.857	249.743
80.0	121.124	146.474	189.143	228.936	242.687
80.5	113.718	139.359	182.358	221.976	235.566
81.0	106.681	132.419	175.825	215.314	228.735
81.5	99.715	125.667	169.343	208.710	221.886
82.0	92.814	118.959	162.939	202.086	215.120
82.5	86.119	112.465	156.704	195.663	208.471

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**CANDELA TABULATION - (Cont.)**

83.0	79.618	106.145	150.623	189.311	201.989
83.5	73.182	99.870	144.510	183.049	195.534
84.0	66.856	93.809	138.694	176.923	189.291
84.5	60.717	87.857	132.878	170.939	183.101
85.0	54.572	81.938	127.146	164.923	176.904
85.5	48.769	76.284	121.563	159.166	171.004
86.0	42.882	70.649	116.090	153.382	165.072
86.5	37.072	65.040	110.565	147.657	159.172
87.0	31.405	59.567	105.188	142.086	153.595
87.5	25.745	54.177	99.999	136.813	148.271
88.0	20.155	48.762	94.810	131.967	143.379
88.5	14.585	43.476	90.100	127.883	139.256
89.0	9.008	38.442	86.339	124.329	135.728
89.5	0.000	34.313	83.347	121.214	132.523
90.0	0.000	31.884	80.911	118.487	129.679
90.5	0.000	30.591	79.075	116.264	127.314
91.0	0.000	30.436	78.003	114.578	125.518
91.5	0.000	30.430	77.634	113.615	124.322
92.0	0.000	30.320	77.421	112.995	123.476
92.5	0.000	30.190	77.163	112.426	122.688
93.0	0.000	30.184	76.904	111.870	122.028
93.5	0.000	30.106	76.678	111.366	121.382
94.0	0.000	30.029	76.413	110.830	120.768
94.5	0.000	29.932	76.232	110.339	120.187
95.0	0.000	29.854	75.922	109.848	119.547
95.5	0.000	29.745	75.748	109.356	118.959
96.0	0.000	29.712	75.476	108.898	118.448
96.5	0.000	29.602	75.198	108.400	117.906
97.0	0.000	29.531	74.946	108.064	117.447
97.5	0.000	29.415	74.694	107.586	116.956
98.0	0.000	29.286	74.449	107.166	116.478
98.5	0.000	29.241	74.126	106.694	115.974
99.0	0.000	29.150	73.899	106.281	115.553
99.5	0.000	29.105	73.550	105.912	115.101
100.0	0.000	29.034	73.266	105.440	114.649
100.5	0.000	28.930	73.001	105.066	114.222
101.0	0.000	28.775	72.704	104.659	113.764
101.5	0.000	28.717	72.407	104.232	113.356
102.0	0.000	28.614	72.090	103.799	112.936
102.5	0.000	28.491	71.786	103.398	112.562
103.0	0.000	28.439	71.476	102.920	112.103
103.5	0.000	28.355	71.114	102.494	111.644
104.0	0.000	28.207	70.811	102.041	111.211
104.5	0.000	28.084	70.442	101.570	110.720
105.0	0.000	27.980	70.139	101.066	110.313
105.5	0.000	27.858	69.744	100.620	109.835
106.0	0.000	27.728	69.337	100.090	109.279
106.5	0.000	27.619	69.021	99.657	108.833
107.0	0.000	27.502	68.607	99.050	108.310
107.5	0.000	27.386	68.219	98.481	107.709
108.0	0.000	27.231	67.838	97.990	107.146
108.5	0.000	27.121	67.405	97.389	106.578
109.0	0.000	26.979	66.959	96.807	106.041
109.5	0.000	26.804	66.500	96.174	105.408
110.0	0.000	26.611	66.080	95.534	104.730
110.5	0.000	26.468	65.615	94.933	104.096

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**CANDELA TABULATION - (Cont.)**

111.0	0.000	26.307	65.150	94.300	103.360
111.5	0.000	26.152	64.762	93.660	102.739
112.0	0.000	25.893	64.187	92.930	102.016
112.5	0.000	25.693	63.735	92.245	101.311
113.0	0.000	25.538	63.198	91.541	100.549
113.5	0.000	25.376	62.720	90.830	99.760
114.0	0.000	25.163	62.164	90.113	98.978
114.5	0.000	24.982	61.609	89.324	98.203
115.0	0.000	24.724	61.105	88.581	97.408
115.5	0.000	24.497	60.555	87.780	96.600
116.0	0.000	24.368	59.974	87.004	95.747
116.5	0.000	24.136	59.412	86.151	94.907
117.0	0.000	23.909	58.843	85.337	94.016
117.5	0.000	23.664	58.300	84.575	93.156
118.0	0.000	23.476	57.673	83.748	92.213
118.5	0.000	23.231	57.021	82.933	91.315
119.0	0.000	22.972	56.458	82.080	90.306
119.5	0.000	22.785	55.890	81.234	89.395
120.0	0.000	22.539	55.244	80.336	88.420
120.5	0.000	22.378	54.662	79.476	87.483
121.0	0.000	22.171	54.068	78.578	86.429
121.5	0.000	21.964	53.538	77.609	85.479
122.0	0.000	21.745	52.943	76.736	84.471
122.5	0.000	21.531	52.271	75.767	83.496
123.0	0.000	21.325	51.651	74.888	82.481
123.5	0.000	21.124	51.017	73.964	81.486
124.0	0.000	20.937	50.384	73.046	80.504
124.5	0.000	20.749	49.770	72.129	79.457
125.0	0.000	20.556	49.131	71.237	78.462
125.5	0.000	20.336	48.543	70.326	77.421
126.0	0.000	20.194	47.903	69.395	76.426
126.5	0.000	20.019	47.308	68.491	75.437
127.0	0.000	19.754	46.681	67.534	74.365
127.5	0.000	19.619	46.048	66.636	73.389
128.0	0.000	19.392	45.460	65.706	72.374
128.5	0.000	19.179	44.846	64.807	71.360
129.0	0.000	18.998	44.245	63.870	70.326
129.5	0.000	18.817	43.651	63.030	69.311
130.0	0.000	18.617	42.979	62.087	68.239
130.5	0.000	18.371	42.436	61.208	67.250
131.0	0.000	18.165	41.790	60.271	66.236
131.5	0.000	17.990	41.182	59.392	65.305
132.0	0.000	17.796	40.620	58.481	64.245
132.5	0.000	17.557	39.993	57.596	63.244
133.0	0.000	17.357	39.399	56.704	62.300
133.5	0.000	17.105	38.830	55.748	61.305
134.0	0.000	16.924	38.223	54.914	60.265
134.5	0.000	16.704	37.622	53.977	59.224
135.0	0.000	16.491	37.066	53.092	58.229
135.5	0.000	16.213	36.439	52.232	57.253
136.0	0.000	16.071	35.819	51.354	56.239
136.5	0.000	15.858	35.257	50.475	55.302
137.0	0.000	15.593	34.636	49.557	54.294
137.5	0.000	15.347	34.068	48.698	53.318
138.0	0.000	15.102	33.499	47.774	52.323
138.5	0.000	14.882	32.905	46.946	51.425

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

139.0	0.000	14.617	32.304	46.061	50.371
139.5	0.000	14.384	31.787	45.221	49.480
140.0	0.000	14.145	31.153	44.394	48.517
140.5	0.000	13.900	30.623	43.547	47.567
141.0	0.000	13.603	30.055	42.662	46.656
141.5	0.000	13.402	29.499	41.874	45.757
142.0	0.000	13.137	28.924	41.047	44.840
142.5	0.000	12.859	28.329	40.232	43.961
143.0	0.000	12.569	27.812	39.451	43.024
143.5	0.000	12.258	27.244	38.623	42.126
144.0	0.000	12.045	26.688	37.848	41.299
144.5	0.000	11.761	26.171	37.072	40.420
145.0	0.000	11.483	25.635	36.245	39.573
145.5	0.000	11.186	25.137	35.496	38.669
146.0	0.000	10.927	24.601	34.727	37.880
146.5	0.000	10.675	24.032	33.977	37.001
147.0	0.000	10.359	23.535	33.215	36.181
147.5	0.000	10.100	22.998	32.420	35.341
148.0	0.000	9.855	22.494	31.690	34.552
148.5	0.000	9.531	22.010	30.966	33.777
149.0	0.000	9.299	21.473	30.262	32.956
149.5	0.000	9.047	20.956	29.551	32.097
150.0	0.000	8.743	20.459	28.827	31.308
150.5	0.000	8.472	19.948	28.142	30.565
151.0	0.000	8.233	19.515	27.386	29.803
151.5	0.000	7.968	18.998	26.714	29.079
152.0	0.000	7.703	18.514	26.029	28.342
152.5	0.000	7.483	18.042	25.370	27.548
153.0	0.000	7.244	17.590	24.665	26.830
153.5	0.000	7.044	17.092	24.039	26.203
154.0	0.000	6.753	16.614	23.392	25.402
154.5	0.000	6.507	16.136	22.720	24.749
155.0	0.000	6.313	15.651	22.126	24.019
155.5	0.000	6.036	15.218	21.460	23.341
156.0	0.000	5.835	14.740	20.866	22.662
156.5	0.000	5.609	14.281	20.245	21.997
157.0	0.000	5.409	13.758	19.651	21.376
157.5	0.000	5.183	13.299	19.102	20.743
158.0	0.000	5.040	12.834	18.514	20.123
158.5	0.000	4.769	12.317	17.964	19.509
159.0	0.000	4.607	11.851	17.396	18.882
159.5	0.000	4.439	11.425	16.885	18.281
160.0	0.000	4.194	10.960	16.271	17.686
160.5	0.000	4.013	10.520	15.722	17.111
161.0	0.000	0.000	10.081	15.179	16.504
161.5	0.000	0.000	9.615	14.611	15.909
162.0	0.000	0.000	9.260	14.100	15.354
162.5	0.000	0.000	8.821	13.583	14.753
163.0	0.000	0.000	8.433	13.040	14.152
163.5	0.000	0.000	8.032	12.510	13.603
164.0	0.000	0.000	7.561	12.019	13.073
164.5	0.000	0.000	7.244	11.489	12.510
165.0	0.000	0.000	6.811	10.992	11.961
165.5	0.000	0.000	6.430	10.501	11.380
166.0	0.000	0.000	6.036	9.945	10.804
166.5	0.000	0.000	5.725	9.409	10.320



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**CANDELA TABULATION - (Cont.)**

167.0	0.000	0.000	5.318	8.937	9.732
167.5	0.000	0.000	4.943	8.414	9.247
168.0	0.000	0.000	4.594	7.909	8.659
168.5	0.000	0.000	4.284	7.380	8.168
169.0	0.000	0.000	3.897	6.901	7.651
169.5	0.000	0.000	0.000	6.449	7.128
170.0	0.000	0.000	0.000	5.952	6.662
170.5	0.000	0.000	0.000	5.441	6.068
171.0	0.000	0.000	0.000	4.931	5.564
171.5	0.000	0.000	0.000	4.485	5.047
172.0	0.000	0.000	0.000	3.987	4.556
172.5	0.000	0.000	0.000	0.000	4.078
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	565.46	N.A.	12.90
0-30	1189.4	N.A.	27.20
0-40	1915.53	N.A.	43.70
0-60	3229.98	N.A.	73.70
0-80	3956.32	N.A.	90.30
0-90	4092.09	N.A.	93.40
10-90	3945.16	N.A.	90.10
20-40	1350.07	N.A.	30.80
20-50	2061.27	N.A.	47.10
40-70	1761.08	N.A.	40.20
60-80	726.34	N.A.	16.60
70-80	279.71	N.A.	6.40
80-90	135.77	N.A.	3.10
90-110	142.50	N.A.	3.30
90-120	197.80	N.A.	4.50
90-130	238.31	N.A.	5.40
90-150	279.52	N.A.	6.40
90-180	288.04	N.A.	6.60
110-180	145.54	N.A.	3.30
0-180	4380.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	146.93
10-20	418.53
20-30	623.94
30-40	726.13
40-50	711.20
50-60	603.25
60-70	446.63
70-80	279.71
80-90	135.77
90-100	75.34
100-110	67.16
110-120	55.30
120-130	40.51
130-140	26.41
140-150	14.80
150-160	6.65
160-170	1.80
170-180	0.08

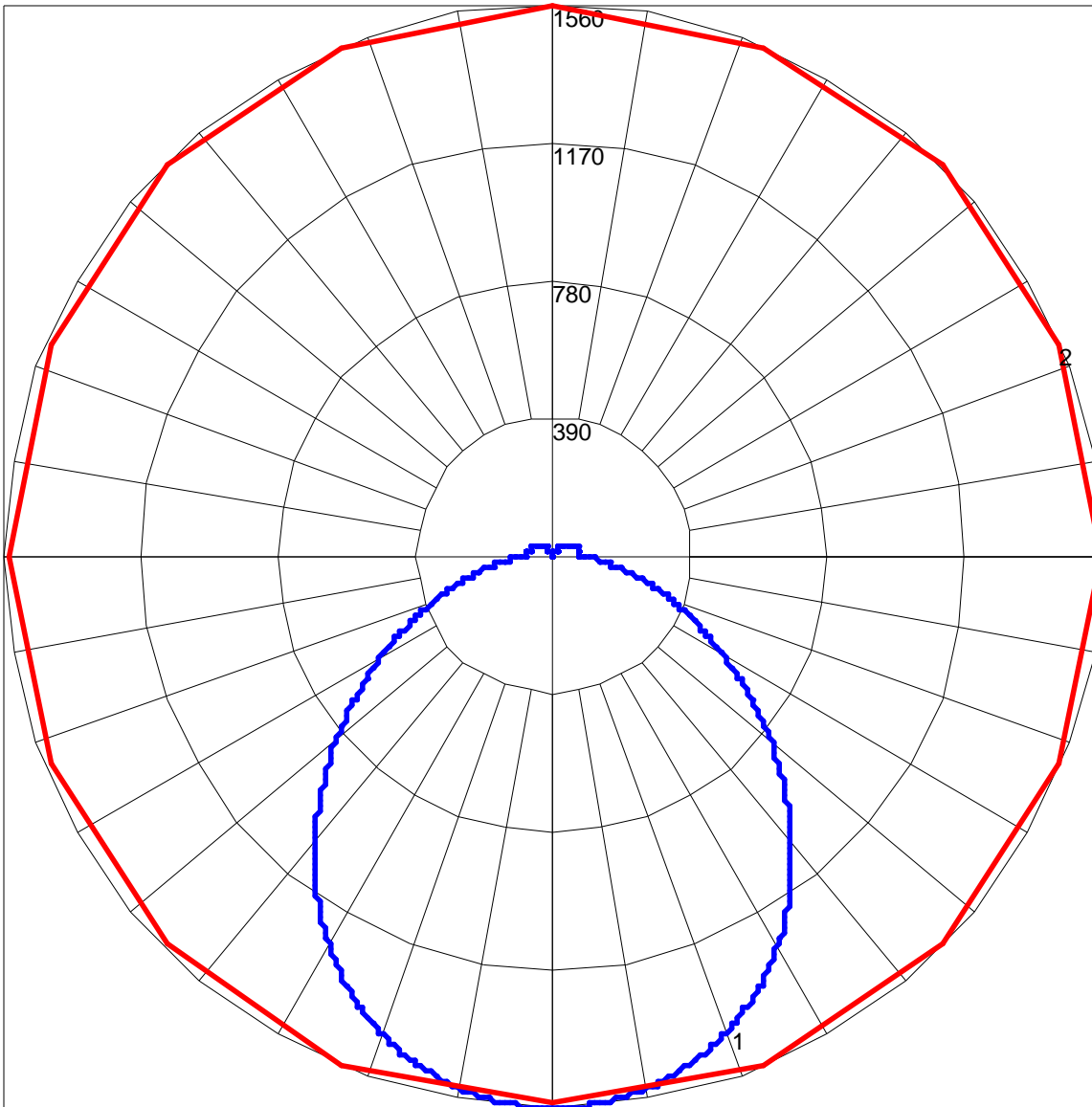
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED35DMVFR35.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	102	98	94	104	99	95	92	94	91	88	89	86	84	84	82	80	78
2	97	89	82	77	94	87	81	75	82	77	73	78	74	70	74	70	67	65
3	89	79	70	64	86	76	69	63	73	66	61	69	64	59	66	61	57	55
4	82	70	61	55	79	68	60	54	65	58	52	62	56	51	59	54	50	47
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41
6	69	56	48	41	67	55	47	41	53	45	40	50	44	39	48	43	38	36
7	64	51	43	37	62	50	42	36	48	41	35	46	40	35	44	38	34	32
8	60	47	38	33	58	46	38	32	44	37	32	42	36	31	41	35	31	29
9	56	43	35	29	54	42	34	29	41	34	29	39	33	28	38	32	28	26
10	53	40	32	27	51	39	32	27	38	31	26	36	30	26	35	29	25	24

POLAR GRAPH



Maximum Candela = 1559.617 Located At Horizontal Angle = 45, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)