



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 44-48LED30DMVFR35.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] 44-48LED30DMVFR35

[LUMINAIRE] Catalog Number: 44-48LED30DMVFR35

[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 553mA.

[MORE] 120.0Vac, 60.0Hz, 0.25A, 30.0W, 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	3840
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	30
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	8056	7078	6700
55	7013	5985	5742
65	5845	4904	4959
75	4586	3930	4259
85	3199	3131	3650

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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>
<b>0.0</b>	1362.818	1362.818	1362.818	1362.818	1362.818
<b>0.5</b>	1356.705	1358.637	1367.259	1366.795	1359.883
<b>1.0</b>	1356.462	1358.433	1367.072	1366.534	1359.764
<b>1.5</b>	1356.252	1358.127	1366.670	1366.211	1359.532
<b>2.0</b>	1355.838	1357.725	1366.222	1365.679	1359.079
<b>2.5</b>	1355.147	1357.124	1365.656	1365.089	1358.563
<b>3.0</b>	1354.422	1356.360	1364.868	1364.393	1357.838
<b>3.5</b>	1353.561	1355.493	1364.002	1363.583	1356.977
<b>4.0</b>	1352.490	1354.473	1363.044	1362.568	1356.076
<b>4.5</b>	1351.352	1353.425	1361.877	1361.401	1355.011
<b>5.0</b>	1350.054	1352.094	1360.563	1360.138	1353.793
<b>5.5</b>	1348.678	1350.666	1359.101	1358.767	1352.445
<b>6.0</b>	1347.063	1349.171	1357.589	1357.198	1350.933
<b>6.5</b>	1345.449	1347.517	1355.844	1355.504	1349.392
<b>7.0</b>	1343.568	1345.738	1354.014	1353.669	1347.534
<b>7.5</b>	1341.546	1343.829	1352.100	1351.663	1345.613
<b>8.0</b>	1339.586	1341.716	1349.958	1349.477	1343.426
<b>8.5</b>	1337.286	1339.489	1347.653	1347.154	1341.132
<b>9.0</b>	1334.986	1337.206	1345.256	1344.763	1338.877
<b>9.5</b>	1332.516	1334.708	1342.741	1342.248	1336.328
<b>10.0</b>	1329.944	1332.057	1340.039	1339.450	1333.677
<b>10.5</b>	1327.140	1329.321	1337.252	1336.515	1330.822
<b>11.0</b>	1324.375	1326.488	1334.294	1333.598	1327.825
<b>11.5</b>	1321.231	1323.429	1331.128	1330.363	1324.641
<b>12.0</b>	1318.161	1320.268	1327.904	1326.970	1321.361
<b>12.5</b>	1314.886	1317.028	1324.573	1323.559	1317.985
<b>13.0</b>	1311.385	1313.561	1320.999	1319.939	1314.422
<b>13.5</b>	1307.879	1310.014	1317.424	1316.183	1310.734
<b>14.0</b>	1304.174	1306.309	1313.515	1312.212	1306.740
<b>14.5</b>	1300.355	1302.395	1309.561	1308.026	1302.593
<b>15.0</b>	1296.345	1298.548	1305.539	1303.811	1298.480
<b>15.5</b>	1292.294	1294.458	1301.335	1299.455	1294.186
<b>16.0</b>	1287.972	1290.204	1296.826	1294.753	1289.677
<b>16.5</b>	1283.576	1285.740	1292.322	1290.187	1285.009
<b>17.0</b>	1279.072	1281.219	1287.615	1285.304	1280.046
<b>17.5</b>	1274.449	1276.540	1282.868	1280.296	1275.220
<b>18.0</b>	1269.662	1271.730	1277.809	1275.135	1270.099
<b>18.5</b>	1264.717	1266.790	1272.699	1269.849	1264.847
<b>19.0</b>	1259.556	1261.709	1267.357	1264.326	1259.330
<b>19.5</b>	1254.463	1256.463	1261.924	1258.814	1253.783
<b>20.0</b>	1249.200	1251.110	1256.452	1252.962	1248.062
<b>20.5</b>	1243.756	1245.530	1250.645	1246.980	1242.108
<b>21.0</b>	1238.035	1239.848	1244.833	1240.981	1236.126
<b>21.5</b>	1232.432	1234.098	1238.856	1234.823	1230.104
<b>22.0</b>	1226.450	1228.053	1232.636	1228.399	1223.566
<b>22.5</b>	1220.502	1221.918	1226.371	1221.850	1217.035
<b>23.0</b>	1214.253	1215.726	1219.980	1215.244	1210.424
<b>23.5</b>	1207.869	1209.279	1213.403	1208.260	1203.671
<b>24.0</b>	1201.575	1202.781	1206.662	1201.416	1196.765
<b>24.5</b>	1194.969	1196.085	1199.819	1194.284	1189.650
<b>25.0</b>	1188.183	1189.208	1192.686	1186.925	1182.370
<b>25.5</b>	1181.407	1182.291	1185.583	1179.538	1175.012
<b>26.0</b>	1174.434	1175.148	1178.314	1172.072	1167.568
<b>26.5</b>	1167.081	1167.789	1170.837	1164.293	1159.880

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**CANDELA TABULATION - (Cont.)**

27.0	1159.835	1160.430	1163.189	1156.425	1152.057
27.5	1152.403	1152.907	1155.530	1148.494	1144.098
28.0	1144.625	1145.123	1147.587	1140.348	1136.008
28.5	1137.050	1137.328	1139.588	1132.071	1127.856
29.0	1129.114	1129.323	1131.521	1123.670	1119.546
29.5	1121.013	1121.098	1123.171	1115.172	1110.958
30.0	1112.963	1112.957	1114.810	1106.573	1102.420
30.5	1104.698	1104.584	1106.244	1097.735	1093.747
31.0	1096.076	1095.928	1097.492	1088.734	1084.791
31.5	1087.521	1087.278	1088.722	1079.772	1075.840
32.0	1078.843	1078.469	1079.862	1070.662	1066.799
32.5	1069.852	1069.484	1070.702	1061.349	1057.508
33.0	1060.890	1060.414	1061.576	1052.036	1048.206
33.5	1051.753	1051.311	1052.302	1042.570	1038.780
34.0	1042.377	1041.822	1042.836	1032.871	1029.280
34.5	1033.001	1032.407	1033.392	1023.286	1019.660
35.0	1023.456	1022.855	1023.807	1013.525	1009.962
35.5	1013.610	1013.027	1013.950	1003.532	999.980
36.0	1003.742	1003.158	1004.099	993.505	990.112
36.5	993.936	993.375	994.315	983.552	980.277
37.0	983.654	983.195	984.197	973.253	970.046
37.5	973.559	973.043	974.080	963.073	960.076
38.0	963.209	962.829	963.911	952.785	949.907
38.5	952.717	952.360	953.544	942.265	939.552
39.0	942.180	941.954	943.268	931.932	929.298
39.5	931.479	931.422	932.833	921.458	918.891
40.0	920.472	920.727	922.103	910.677	908.377
40.5	909.708	910.099	911.606	900.259	898.021
41.0	898.741	899.381	901.064	889.643	887.598
41.5	887.434	888.482	890.209	878.896	876.965
42.0	876.381	877.650	879.525	868.190	866.524
42.5	865.278	866.751	868.739	857.511	855.999
43.0	853.857	855.625	857.664	846.708	845.320
43.5	842.589	844.635	846.901	835.927	834.925
44.0	831.191	833.599	835.859	825.175	824.371
44.5	819.624	822.337	824.694	814.219	813.511
45.0	808.214	811.200	813.760	803.541	803.070
45.5	796.828	800.028	802.787	792.834	792.664
46.0	785.016	788.642	791.587	781.974	781.985
46.5	773.437	777.419	780.558	771.278	771.533
47.0	761.886	766.191	769.420	760.606	761.155
47.5	750.142	754.697	758.255	749.785	750.697
48.0	738.461	743.486	747.146	739.147	740.285
48.5	726.876	732.184	735.957	728.519	729.952
49.0	715.053	720.764	724.735	717.801	719.512
49.5	703.412	709.524	713.654	707.360	709.411
50.0	691.827	698.211	702.596	696.903	699.356
50.5	679.879	686.745	691.385	686.264	689.062
51.0	668.351	675.563	680.355	675.953	679.154
51.5	656.811	664.312	669.359	665.683	669.189
52.0	645.028	652.988	658.245	655.373	659.162
52.5	633.489	641.714	647.277	645.170	649.373
53.0	621.904	630.532	636.338	634.990	639.607
53.5	610.166	619.286	625.263	624.827	629.852
54.0	598.762	608.183	614.511	614.919	620.306
54.5	587.274	597.074	603.702	605.039	610.789

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**CANDELA TABULATION - (Cont.)**

55.0	575.643	585.812	592.791	595.074	601.238
55.5	564.342	574.907	582.198	585.359	591.947
56.0	553.051	563.985	571.582	575.779	582.759
56.5	541.625	552.887	560.846	566.092	573.423
57.0	530.312	542.033	550.366	556.592	564.398
57.5	519.090	531.167	539.931	547.177	555.306
58.0	507.777	520.223	529.434	537.756	546.270
58.5	496.685	509.550	519.237	528.528	537.484
59.0	485.626	498.871	509.006	519.373	528.669
59.5	474.591	488.096	498.769	510.264	519.866
60.0	463.709	477.644	488.737	501.319	511.261
60.5	452.928	467.164	478.817	492.430	502.774
61.0	441.904	456.571	468.739	483.434	494.090
61.5	431.225	446.215	458.990	474.755	485.706
62.0	420.717	435.899	449.246	466.094	477.356
62.5	409.959	425.549	439.576	457.471	468.977
63.0	399.575	415.477	430.070	448.968	460.763
63.5	389.203	405.382	420.660	440.544	452.583
64.0	378.756	395.275	411.188	432.126	444.346
64.5	368.644	385.401	402.039	423.872	436.420
65.0	358.527	375.505	392.890	415.647	428.416
65.5	348.386	365.511	383.770	407.410	420.298
66.0	338.495	355.853	374.813	399.394	412.480
66.5	328.678	346.290	366.021	391.423	404.662
67.0	318.804	336.597	357.207	383.402	396.743
67.5	309.184	327.239	348.539	375.544	389.044
68.0	299.628	317.863	339.991	367.794	381.385
68.5	290.093	308.465	331.448	360.016	373.714
69.0	280.837	299.378	323.171	352.352	366.129
69.5	271.608	290.263	314.957	344.795	358.561
70.0	262.295	281.216	306.714	337.130	350.930
70.5	253.288	272.351	298.687	329.703	343.543
71.0	244.501	263.683	290.807	322.322	336.082
71.5	235.556	254.948	282.859	314.878	328.757
72.0	226.917	246.467	275.149	307.626	321.421
72.5	218.454	238.111	267.558	300.449	314.209
73.0	209.951	229.954	259.961	293.209	306.969
73.5	201.748	221.751	252.580	286.184	299.826
74.0	193.494	213.712	245.204	279.081	292.682
74.5	185.478	205.798	237.975	272.118	285.612
75.0	177.626	198.156	230.922	265.264	278.695
75.5	169.922	190.571	223.937	258.505	271.790
76.0	162.217	183.036	216.992	251.668	264.861
76.5	154.734	175.751	210.234	245.068	258.171
77.0	147.483	168.619	203.617	238.542	251.447
77.5	140.197	161.554	197.006	231.982	244.779
78.0	133.167	154.649	190.542	225.535	238.225
78.5	126.160	147.885	184.214	219.264	231.693
79.0	119.299	141.177	177.887	212.919	225.269
79.5	112.745	134.765	171.836	206.767	218.941
80.0	106.185	128.409	165.815	200.700	212.755
80.5	99.693	122.171	159.866	194.598	206.512
81.0	93.523	116.087	154.139	188.758	200.524
81.5	87.417	110.167	148.457	182.968	194.519
82.0	81.366	104.287	142.843	177.162	188.588
82.5	75.497	98.594	137.376	171.531	182.759

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**CANDELA TABULATION - (Cont.)**

83.0	69.798	93.053	132.045	165.962	177.077
83.5	64.156	87.553	126.686	160.472	171.417
84.0	58.610	82.239	121.588	155.102	165.945
84.5	53.228	77.021	116.489	149.856	160.518
85.0	47.841	71.832	111.465	144.582	155.085
85.5	42.754	66.875	106.570	139.535	149.913
86.0	37.593	61.935	101.772	134.464	144.712
86.5	32.500	57.018	96.928	129.445	139.540
87.0	27.532	52.220	92.215	124.562	134.651
87.5	22.569	47.495	87.666	119.939	129.983
88.0	17.669	42.748	83.117	115.691	125.695
88.5	12.786	38.114	78.987	112.110	122.081
89.0	7.897	33.701	75.690	108.995	118.988
89.5	0.000	30.081	73.067	106.264	116.178
90.0	0.000	27.951	70.931	103.873	113.685
90.5	0.000	26.818	69.323	101.925	111.612
91.0	0.000	26.682	68.382	100.446	110.037
91.5	0.000	26.676	68.059	99.602	108.989
92.0	0.000	26.580	67.872	99.058	108.247
92.5	0.000	26.467	67.646	98.560	107.556
93.0	0.000	26.461	67.419	98.072	106.978
93.5	0.000	26.393	67.221	97.631	106.411
94.0	0.000	26.325	66.989	97.160	105.873
94.5	0.000	26.240	66.830	96.730	105.363
95.0	0.000	26.172	66.558	96.299	104.803
95.5	0.000	26.076	66.405	95.869	104.287
96.0	0.000	26.048	66.167	95.467	103.839
96.5	0.000	25.951	65.924	95.030	103.364
97.0	0.000	25.889	65.703	94.736	102.961
97.5	0.000	25.787	65.482	94.317	102.531
98.0	0.000	25.674	65.266	93.948	102.112
98.5	0.000	25.634	64.983	93.535	101.670
99.0	0.000	25.555	64.785	93.172	101.302
99.5	0.000	25.515	64.479	92.849	100.905
100.0	0.000	25.453	64.230	92.436	100.508
100.5	0.000	25.362	63.998	92.107	100.135
101.0	0.000	25.226	63.737	91.750	99.732
101.5	0.000	25.175	63.476	91.376	99.375
102.0	0.000	25.085	63.199	90.997	99.007
102.5	0.000	24.977	62.932	90.646	98.679
103.0	0.000	24.932	62.661	90.226	98.276
103.5	0.000	24.858	62.343	89.853	97.874
104.0	0.000	24.728	62.077	89.456	97.495
104.5	0.000	24.620	61.754	89.042	97.064
105.0	0.000	24.529	61.488	88.601	96.707
105.5	0.000	24.422	61.142	88.210	96.288
106.0	0.000	24.309	60.785	87.745	95.801
106.5	0.000	24.212	60.508	87.366	95.410
107.0	0.000	24.110	60.145	86.833	94.951
107.5	0.000	24.008	59.805	86.335	94.424
108.0	0.000	23.872	59.471	85.904	93.931
108.5	0.000	23.776	59.092	85.377	93.433
109.0	0.000	23.651	58.701	84.867	92.963
109.5	0.000	23.498	58.299	84.312	92.407
110.0	0.000	23.328	57.930	83.751	91.813
110.5	0.000	23.204	57.522	83.225	91.257

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**CANDELA TABULATION - (Cont.)**

111.0	0.000	23.062	57.115	82.669	90.612
111.5	0.000	22.926	56.775	82.109	90.068
112.0	0.000	22.700	56.270	81.468	89.433
112.5	0.000	22.524	55.874	80.868	88.816
113.0	0.000	22.388	55.404	80.250	88.147
113.5	0.000	22.246	54.984	79.627	87.456
114.0	0.000	22.060	54.497	78.998	86.771
114.5	0.000	21.901	54.010	78.307	86.091
115.0	0.000	21.674	53.568	77.656	85.394
115.5	0.000	21.476	53.087	76.953	84.686
116.0	0.000	21.363	52.577	76.274	83.938
116.5	0.000	21.159	52.084	75.526	83.202
117.0	0.000	20.961	51.585	74.812	82.420
117.5	0.000	20.745	51.110	74.144	81.667
118.0	0.000	20.581	50.560	73.418	80.840
118.5	0.000	20.366	49.988	72.705	80.052
119.0	0.000	20.139	49.495	71.957	79.168
119.5	0.000	19.975	48.997	71.215	78.370
120.0	0.000	19.760	48.430	70.427	77.514
120.5	0.000	19.618	47.920	69.674	76.693
121.0	0.000	19.437	47.399	68.886	75.769
121.5	0.000	19.255	46.935	68.037	74.937
122.0	0.000	19.063	46.413	67.272	74.053
122.5	0.000	18.876	45.824	66.422	73.197
123.0	0.000	18.695	45.280	65.652	72.308
123.5	0.000	18.519	44.725	64.842	71.436
124.0	0.000	18.355	44.170	64.037	70.575
124.5	0.000	18.190	43.632	63.233	69.657
125.0	0.000	18.020	43.071	62.451	68.784
125.5	0.000	17.828	42.555	61.652	67.872
126.0	0.000	17.703	41.995	60.836	67.000
126.5	0.000	17.550	41.473	60.043	66.133
127.0	0.000	17.318	40.924	59.205	65.193
127.5	0.000	17.199	40.369	58.417	64.337
128.0	0.000	17.001	39.853	57.602	63.448
128.5	0.000	16.814	39.315	56.814	62.559
129.0	0.000	16.655	38.788	55.993	61.652
129.5	0.000	16.496	38.267	55.256	60.763
130.0	0.000	16.321	37.678	54.429	59.822
130.5	0.000	16.106	37.202	53.659	58.956
131.0	0.000	15.924	36.636	52.837	58.066
131.5	0.000	15.771	36.103	52.067	57.250
132.0	0.000	15.601	35.610	51.268	56.321
132.5	0.000	15.392	35.061	50.492	55.443
133.0	0.000	15.216	34.540	49.710	54.616
133.5	0.000	14.995	34.041	48.872	53.744
134.0	0.000	14.837	33.508	48.141	52.832
134.5	0.000	14.644	32.982	47.320	51.920
135.0	0.000	14.457	32.494	46.544	51.047
135.5	0.000	14.213	31.945	45.790	50.192
136.0	0.000	14.089	31.401	45.020	49.302
136.5	0.000	13.902	30.908	44.249	48.481
137.0	0.000	13.670	30.364	43.445	47.597
137.5	0.000	13.454	29.866	42.691	46.742
138.0	0.000	13.239	29.367	41.881	45.870
138.5	0.000	13.046	28.846	41.156	45.082

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

139.0	0.000	12.814	28.319	40.380	44.159
139.5	0.000	12.610	27.866	39.644	43.377
140.0	0.000	12.401	27.311	38.919	42.533
140.5	0.000	12.185	26.846	38.176	41.700
141.0	0.000	11.925	26.348	37.400	40.901
141.5	0.000	11.749	25.861	36.709	40.114
142.0	0.000	11.517	25.357	35.984	39.309
142.5	0.000	11.273	24.835	35.270	38.539
143.0	0.000	11.018	24.382	34.585	37.718
143.5	0.000	10.747	23.884	33.860	36.930
144.0	0.000	10.560	23.396	33.180	36.205
144.5	0.000	10.310	22.943	32.500	35.435
145.0	0.000	10.067	22.473	31.775	34.692
145.5	0.000	9.806	22.037	31.118	33.899
146.0	0.000	9.580	21.567	30.444	33.208
146.5	0.000	9.359	21.068	29.787	32.438
147.0	0.000	9.081	20.632	29.118	31.718
147.5	0.000	8.854	20.162	28.421	30.982
148.0	0.000	8.639	19.720	27.781	30.291
148.5	0.000	8.356	19.295	27.147	29.611
149.0	0.000	8.152	18.825	26.529	28.892
149.5	0.000	7.931	18.372	25.906	28.138
150.0	0.000	7.665	17.935	25.272	27.447
150.5	0.000	7.427	17.488	24.671	26.795
151.0	0.000	7.217	17.108	24.008	26.127
151.5	0.000	6.985	16.655	23.419	25.493
152.0	0.000	6.753	16.230	22.819	24.847
152.5	0.000	6.560	15.817	22.241	24.150
153.0	0.000	6.350	15.420	21.623	23.521
153.5	0.000	6.175	14.984	21.074	22.972
154.0	0.000	5.920	14.565	20.507	22.269
154.5	0.000	5.705	14.146	19.918	21.697
155.0	0.000	5.535	13.721	19.397	21.057
155.5	0.000	5.291	13.341	18.813	20.462
156.0	0.000	5.115	12.922	18.292	19.867
156.5	0.000	4.917	12.520	17.748	19.284
157.0	0.000	4.742	12.061	17.227	18.740
157.5	0.000	4.543	11.659	16.746	18.185
158.0	0.000	4.419	11.251	16.230	17.641
158.5	0.000	4.181	10.797	15.749	17.103
159.0	0.000	4.039	10.390	15.250	16.553
159.5	0.000	3.892	10.016	14.803	16.026
160.0	0.000	3.677	9.608	14.264	15.505
160.5	0.000	3.518	9.223	13.783	15.001
161.0	0.000	0.000	8.837	13.307	14.468
161.5	0.000	0.000	8.430	12.809	13.947
162.0	0.000	0.000	8.118	12.361	13.460
162.5	0.000	0.000	7.733	11.908	12.933
163.0	0.000	0.000	7.393	11.432	12.406
163.5	0.000	0.000	7.042	10.967	11.925
164.0	0.000	0.000	6.628	10.537	11.460
164.5	0.000	0.000	6.350	10.072	10.967
165.0	0.000	0.000	5.971	9.636	10.486
165.5	0.000	0.000	5.637	9.206	9.976
166.0	0.000	0.000	5.291	8.718	9.472
166.5	0.000	0.000	5.019	8.248	9.047



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**CANDELA TABULATION - (Cont.)**

167.0	0.000	0.000	4.662	7.835	8.531
167.5	0.000	0.000	4.334	7.376	8.107
168.0	0.000	0.000	4.028	6.934	7.591
168.5	0.000	0.000	3.756	6.469	7.161
169.0	0.000	0.000	3.416	6.050	6.707
169.5	0.000	0.000	0.000	5.654	6.248
170.0	0.000	0.000	0.000	5.217	5.841
170.5	0.000	0.000	0.000	4.770	5.319
171.0	0.000	0.000	0.000	4.322	4.878
171.5	0.000	0.000	0.000	3.932	4.424
172.0	0.000	0.000	0.000	3.495	3.994
172.5	0.000	0.000	0.000	0.000	3.575
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	495.72	N.A.	12.90
0-30	1042.7	N.A.	27.20
0-40	1679.27	N.A.	43.70
0-60	2831.61	N.A.	73.70
0-80	3468.36	N.A.	90.30
0-90	3587.39	N.A.	93.40
10-90	3458.58	N.A.	90.10
20-40	1183.55	N.A.	30.80
20-50	1807.04	N.A.	47.10
40-70	1543.88	N.A.	40.20
60-80	636.76	N.A.	16.60
70-80	245.21	N.A.	6.40
80-90	119.02	N.A.	3.10
90-110	124.92	N.A.	3.30
90-120	173.40	N.A.	4.50
90-130	208.92	N.A.	5.40
90-150	245.04	N.A.	6.40
90-180	252.52	N.A.	6.60
110-180	127.59	N.A.	3.30
0-180	3839.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	128.81
10-20	366.91
20-30	546.98
30-40	636.57
40-50	623.48
50-60	528.85
60-70	391.55
70-80	245.21
80-90	119.02
90-100	66.05
100-110	58.88
110-120	48.48
120-130	35.51
130-140	23.16
140-150	12.97
150-160	5.83
160-170	1.58
170-180	0.07

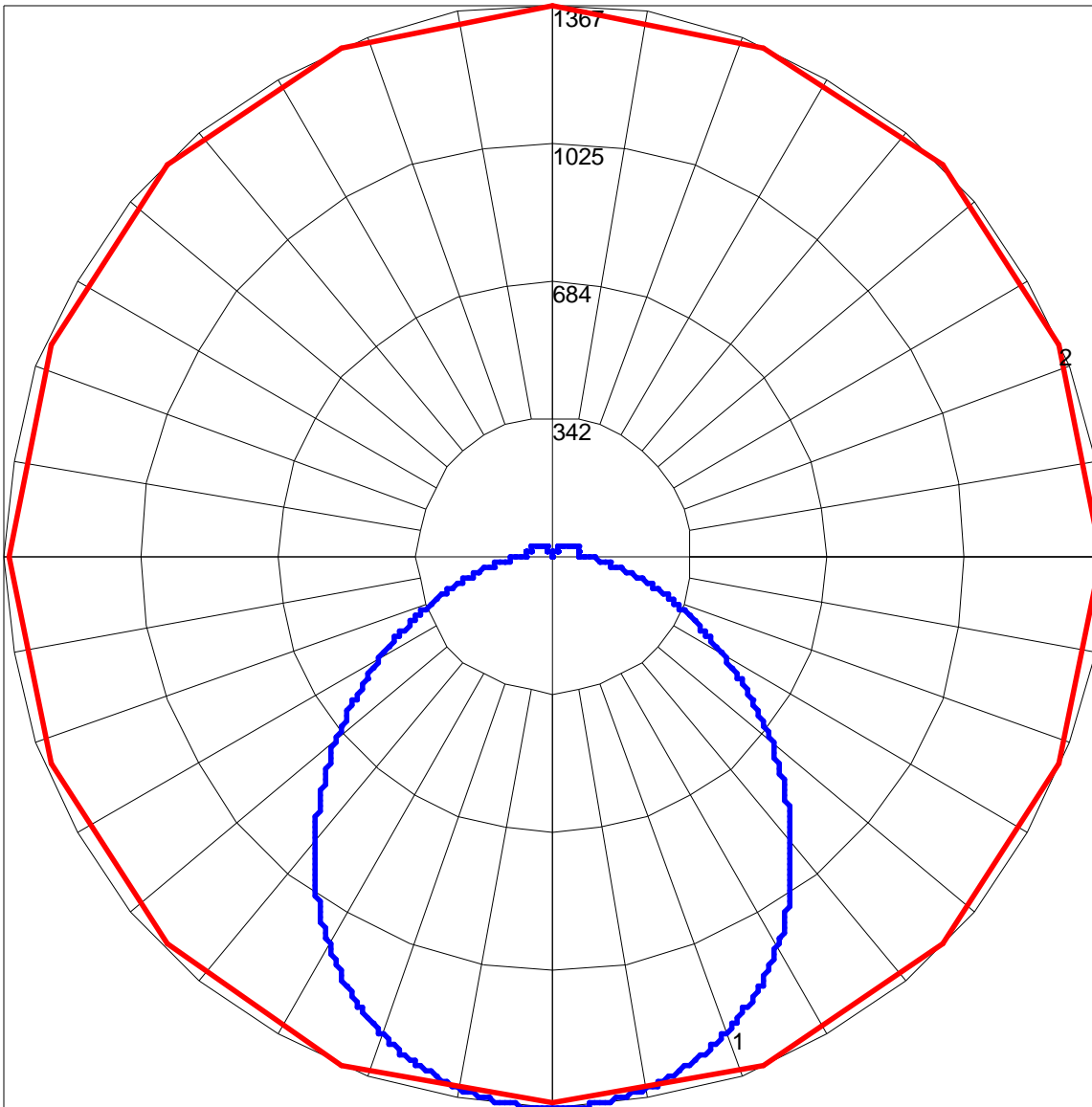
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 44-48LED30DMVFR35.IES**

**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	90	88	89	86	84	84	82	80	78
2	97	89	82	77	94	87	81	75	82	77	72	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 = 1367.259 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.)