



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDA48LED30RFDMMVWH40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLIA000708-023A  
 [TESTLAB] LightLab International Allentown, LLC  
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA  
 [LUMCAT] LDA48LED30RFDMMVWH40  
 [LUMINAIRE] Catalog Number: LDA48LED30RFDMMVWH40  
 [MORE] Pendant mounted, formed white enamel steel housing, formed white  
 [MORE] enamel steel reflector trays, frosted linear ribbed plastic lower enclosure.  
 [MORE] 128 white LEDs, 4 Everline M10CC840D32N2S LED boards with 32 white LEDs each.  
 [MORE] One Everline D10CC55UNVTZ-C LED driver set at 553mA.  
 [MORE] 120.0Vac, 60.00Hz, 0.25A, 30.0W, 0.996PF, 4.6%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 created by LightLab/LSA Report program version 3.808a.  
 [DATE] This file extrapolated from LLIA000708-023A Tuesday, April 25, 2017  
 [ISSUEDATE] Monday, March 6, 2017 10:03:08 AM

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3950
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	30
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.20 m
Luminous Width (90-270)	0.19 m
Luminous Height	0.01 m

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4694	5313	5789
55	4154	5087	5813
65	3582	4895	5939
75	2952	4925	6180
85	2176	5785	6732

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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	1329.695	1329.695	1329.695	1329.695	1329.695
0.5	1326.801	1327.094	1333.410	1332.050	1325.429
1.0	1326.693	1326.879	1333.146	1331.876	1325.417
1.5	1326.184	1326.567	1332.835	1331.654	1325.171
2.0	1325.710	1326.142	1332.385	1331.367	1324.877
2.5	1325.015	1325.507	1331.876	1330.893	1324.554
3.0	1324.188	1324.787	1331.163	1330.372	1324.182
3.5	1323.164	1323.829	1330.384	1329.629	1323.763
4.0	1322.031	1322.846	1329.461	1328.886	1323.116
4.5	1320.803	1321.708	1328.539	1328.149	1322.349
5.0	1319.335	1320.347	1327.346	1327.136	1321.642
5.5	1317.645	1318.879	1326.028	1326.106	1320.695
6.0	1316.045	1317.303	1324.632	1324.949	1319.766
6.5	1314.014	1315.560	1323.104	1323.727	1318.759
7.0	1311.928	1313.666	1321.444	1322.415	1317.615
7.5	1309.789	1311.683	1319.778	1320.923	1316.351
8.0	1307.440	1309.514	1317.921	1319.419	1315.086
8.5	1304.948	1307.207	1315.901	1317.819	1313.738
9.0	1302.299	1304.774	1313.816	1316.045	1312.240
9.5	1299.495	1302.263	1311.533	1314.259	1310.628
10.0	1296.511	1299.447	1309.214	1312.330	1308.926
10.5	1293.461	1296.726	1306.745	1310.311	1307.201
11.0	1290.129	1293.664	1304.229	1308.213	1305.463
11.5	1286.833	1290.495	1301.520	1305.972	1303.492
12.0	1283.232	1287.193	1298.710	1303.677	1301.472
12.5	1279.535	1283.807	1295.750	1301.292	1299.393
13.0	1275.712	1280.218	1292.700	1298.788	1297.134
13.5	1271.751	1276.527	1289.572	1296.211	1294.887
14.0	1267.569	1272.758	1286.366	1293.503	1292.556
14.5	1263.291	1268.779	1282.855	1290.686	1290.039
15.0	1258.916	1264.681	1279.475	1287.840	1287.487
15.5	1254.416	1260.426	1275.904	1284.820	1284.928
16.0	1249.664	1255.986	1272.129	1281.638	1282.142
16.5	1244.817	1251.534	1268.306	1278.570	1279.349
17.0	1239.897	1246.914	1264.393	1275.233	1276.473
17.5	1234.750	1242.180	1260.336	1271.829	1273.465
18.0	1229.477	1237.225	1256.178	1268.366	1270.379
18.5	1224.150	1232.198	1251.941	1264.854	1267.167
19.0	1218.530	1226.918	1247.489	1261.085	1263.878
19.5	1212.777	1221.669	1242.977	1257.340	1260.528
20.0	1207.013	1216.181	1238.381	1253.493	1257.101
20.5	1200.907	1210.602	1233.612	1249.461	1253.463
21.0	1194.945	1204.909	1228.800	1245.482	1249.898
21.5	1188.761	1199.091	1223.922	1241.276	1246.147
22.0	1182.295	1193.087	1218.853	1236.991	1242.276
22.5	1175.818	1186.981	1213.676	1232.665	1238.279
23.0	1169.227	1180.773	1208.409	1228.171	1234.349
23.5	1162.414	1174.362	1203.016	1223.635	1230.256
24.0	1155.529	1167.908	1197.545	1219.003	1226.098
24.5	1148.446	1161.311	1191.937	1214.281	1221.807
25.0	1141.291	1154.540	1186.256	1209.338	1217.373
25.5	1133.969	1147.703	1180.510	1204.460	1212.951
26.0	1126.671	1140.776	1174.631	1199.463	1208.391
26.5	1118.959	1133.598	1168.591	1194.345	1203.699

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**CANDELA TABULATION - (Cont.)**

27.0	1111.343	1126.401	1162.479	1189.096	1198.965
27.5	1103.529	1119.079	1156.266	1183.787	1194.142
28.0	1095.548	1111.517	1149.884	1178.376	1189.168
28.5	1087.494	1103.967	1143.526	1172.912	1184.237
29.0	1079.327	1096.255	1137.061	1167.321	1179.161
29.5	1070.986	1088.429	1130.320	1161.581	1173.840
30.0	1062.585	1080.525	1123.693	1155.876	1168.609
30.5	1054.118	1072.496	1116.957	1150.004	1163.276
31.0	1045.280	1064.227	1109.929	1143.976	1157.800
31.5	1036.513	1056.000	1103.026	1137.942	1152.209
32.0	1027.663	1047.701	1095.991	1131.866	1146.570
32.5	1018.573	1039.168	1088.723	1125.550	1140.788
33.0	1009.429	1030.629	1081.514	1119.252	1134.910
33.5	1000.279	1021.971	1074.204	1112.835	1128.960
34.0	990.770	1013.186	1066.636	1106.262	1122.914
34.5	981.434	1004.366	1059.206	1099.766	1116.772
35.0	971.883	995.414	1051.614	1093.079	1110.588
35.5	962.098	986.258	1043.842	1086.176	1104.164
36.0	952.468	977.126	1036.058	1079.303	1097.819
36.5	942.617	968.018	1028.292	1072.418	1091.371
37.0	932.509	958.574	1020.275	1065.294	1084.714
37.5	922.562	949.263	1012.341	1058.223	1077.979
38.0	912.525	939.849	1004.288	1051.008	1071.304
38.5	902.255	930.280	996.001	1043.686	1064.389
39.0	892.080	920.698	987.858	1036.352	1057.522
39.5	881.714	911.081	979.619	1028.922	1050.493
40.0	871.156	901.278	971.128	1021.306	1043.380
40.5	860.777	891.589	962.715	1013.761	1036.196
41.0	850.357	881.774	954.242	1006.170	1028.963
41.5	839.613	871.863	945.583	998.284	1021.569
42.0	829.043	861.922	936.973	990.542	1014.157
42.5	818.539	852.023	928.248	982.692	1006.745
43.0	807.765	841.860	919.398	974.717	999.105
43.5	797.213	831.913	910.584	966.700	991.507
44.0	786.409	821.829	901.709	958.682	983.771
44.5	775.444	811.576	892.553	950.437	975.885
45.0	764.838	801.497	883.619	942.336	968.090
45.5	754.172	791.431	874.553	934.126	960.132
46.0	743.212	781.058	865.307	925.678	952.061
46.5	732.414	770.854	856.115	917.355	944.091
47.0	721.641	760.709	846.965	909.020	935.990
47.5	710.759	750.349	837.510	900.469	927.727
48.0	699.931	740.084	828.210	892.002	919.470
48.5	689.062	729.826	818.862	883.445	911.165
49.0	678.210	719.465	809.329	874.679	902.770
49.5	667.508	709.255	799.909	866.152	894.399
50.0	656.740	698.984	790.400	857.464	885.962
50.5	645.859	688.486	780.777	848.649	877.399
51.0	635.187	678.312	771.249	839.877	868.843
51.5	624.575	668.161	761.722	831.140	860.292
52.0	613.681	657.759	751.955	822.200	851.549
52.5	603.099	647.500	742.331	813.320	842.855
53.0	592.439	637.236	732.750	804.374	834.106
53.5	581.737	626.894	722.893	795.337	825.340
54.0	571.275	616.725	713.252	786.475	816.603
54.5	560.783	606.520	703.532	777.547	807.795

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**CANDELA TABULATION - (Cont.)**

55.0	550.195	596.142	693.574	768.385	798.771
55.5	539.876	586.045	684.010	759.529	790.034
56.0	529.510	575.949	674.315	750.493	781.112
56.5	518.940	565.582	664.422	741.355	772.148
57.0	508.693	555.516	654.643	732.313	763.298
57.5	498.417	545.419	644.894	723.318	754.304
58.0	488.069	535.256	635.001	714.192	745.124
58.5	478.086	525.250	625.252	705.174	736.088
59.0	467.917	515.225	615.544	696.114	726.956
59.5	457.778	505.122	605.729	686.958	717.590
60.0	447.790	495.235	596.070	677.904	708.494
60.5	437.903	485.348	586.399	668.802	699.224
61.0	427.860	475.251	576.590	659.497	689.829
61.5	418.117	465.406	566.961	650.311	680.547
62.0	408.296	455.621	557.385	641.137	671.241
62.5	398.391	445.782	547.684	631.789	661.630
63.0	388.821	436.045	538.192	622.567	652.180
63.5	379.258	426.320	528.749	613.309	642.563
64.0	369.641	416.631	519.209	603.902	633.095
64.5	360.245	407.073	509.856	594.608	623.760
65.0	350.837	397.540	500.574	585.320	614.262
65.5	341.286	387.899	491.083	575.829	604.501
66.0	332.088	378.431	481.843	566.529	594.896
66.5	322.890	369.095	472.633	557.313	585.458
67.0	313.704	359.646	463.279	547.918	575.829
67.5	304.626	350.448	454.057	538.594	566.289
68.0	295.674	341.232	444.913	529.348	556.414
68.5	286.728	332.106	435.656	520.066	546.228
69.0	277.914	323.058	426.596	510.874	536.335
69.5	269.261	314.094	417.458	501.329	526.580
70.0	260.411	305.082	408.200	491.598	516.447
70.5	251.884	296.327	399.194	482.154	506.093
71.0	243.315	287.609	390.236	472.765	495.798
71.5	234.836	278.866	381.325	463.081	485.414
72.0	226.567	270.310	372.481	453.278	475.257
72.5	218.382	261.897	363.738	443.541	464.687
73.0	210.143	253.424	355.014	433.918	453.584
73.5	202.126	245.191	346.427	424.193	442.930
74.0	194.162	236.970	337.631	413.940	432.312
74.5	186.157	228.868	328.960	403.796	421.203
75.0	178.445	220.995	320.374	393.981	409.734
75.5	170.895	213.253	311.877	383.998	398.313
76.0	163.189	205.415	303.122	373.152	387.120
76.5	155.819	197.865	294.620	362.720	375.591
77.0	148.556	190.381	286.231	352.539	363.361
77.5	141.186	182.879	277.554	341.801	351.401
78.0	134.145	175.551	269.027	330.632	340.166
78.5	127.092	168.246	260.686	319.954	328.026
79.0	120.166	161.044	251.968	309.294	315.143
79.5	113.305	154.075	243.411	297.951	303.548
80.0	106.647	147.190	235.046	286.644	292.193
80.5	100.086	140.323	226.376	275.804	279.513
81.0	93.573	133.744	217.717	264.809	267.685
81.5	87.311	127.158	209.262	253.484	257.061
82.0	81.019	120.687	200.424	242.914	245.694
82.5	74.877	114.341	191.819	232.499	234.147

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**CANDELA TABULATION - (Cont.)**

83.0	68.867	108.074	183.310	221.462	223.601
83.5	62.959	101.794	174.550	211.090	213.229
84.0	57.231	95.694	166.449	201.107	202.509
84.5	51.544	89.726	158.030	190.561	192.478
85.0	45.977	83.716	149.635	180.830	182.855
85.5	40.608	77.867	141.444	171.338	173.106
86.0	35.252	72.145	133.156	161.589	163.830
86.5	29.943	66.470	125.019	152.625	154.968
87.0	24.801	60.988	116.792	143.673	145.962
87.5	19.768	55.631	109.014	134.696	137.627
88.0	14.783	50.310	100.997	126.565	129.609
88.5	9.989	45.031	93.549	118.122	121.262
89.0	5.465	39.955	85.981	110.410	113.874
89.5	0.000	34.802	78.754	102.591	106.024
90.0	0.000	29.895	71.582	95.119	98.960
90.5	0.000	25.029	64.775	88.012	92.039
91.0	0.000	20.283	58.129	80.791	84.986
91.5	0.000	15.819	51.658	74.068	78.532
92.0	0.000	11.517	45.396	67.573	71.881
92.5	0.000	7.424	39.350	60.976	65.703
93.0	0.000	3.625	33.574	54.870	59.544
93.5	0.000	0.000	28.067	48.860	53.635
94.0	0.000	0.000	22.656	42.981	47.925
94.5	0.000	0.000	17.611	37.409	42.310
95.0	0.000	0.000	12.733	31.836	36.941
95.5	0.000	0.000	7.993	26.437	31.590
96.0	0.000	0.000	3.931	21.332	26.509
96.5	0.000	0.000	0.000	16.472	21.572
97.0	0.000	0.000	0.000	11.667	16.880
97.5	0.000	0.000	0.000	7.274	12.386
98.0	0.000	0.000	0.000	3.751	8.143
98.5	0.000	0.000	0.000	0.000	4.560
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 : LDA48LED30RFDMMVWH40.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**  
**PHOTOMETRIC FILENAME : LDA48LED30RFDMMVWH40.IES**

**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**  
**PHOTOMETRIC FILENAME : LDA48LED30RFD MVWH40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	485.94	N.A.	12.30
0-30	1030.72	N.A.	26.10
0-40	1684.39	N.A.	42.60
0-60	2969.39	N.A.	75.20
0-80	3780.85	N.A.	95.70
0-90	3927.36	N.A.	99.40
10-90	3801.56	N.A.	96.20
20-40	1198.45	N.A.	30.30
20-50	1872.24	N.A.	47.40
40-70	1771.95	N.A.	44.90
60-80	811.45	N.A.	20.50
70-80	324.50	N.A.	8.20
80-90	146.51	N.A.	3.70
90-110	22.51	N.A.	0.60
90-120	22.51	N.A.	0.60
90-130	22.51	N.A.	0.60
90-150	22.51	N.A.	0.60
90-180	22.51	N.A.	0.60
110-180	0.00	N.A.	0.00
0-180	3949.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	125.80
10-20	360.15
20-30	544.77
30-40	653.68
40-50	673.79
50-60	611.21
60-70	486.95
70-80	324.50
80-90	146.51
90-100	22.51
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

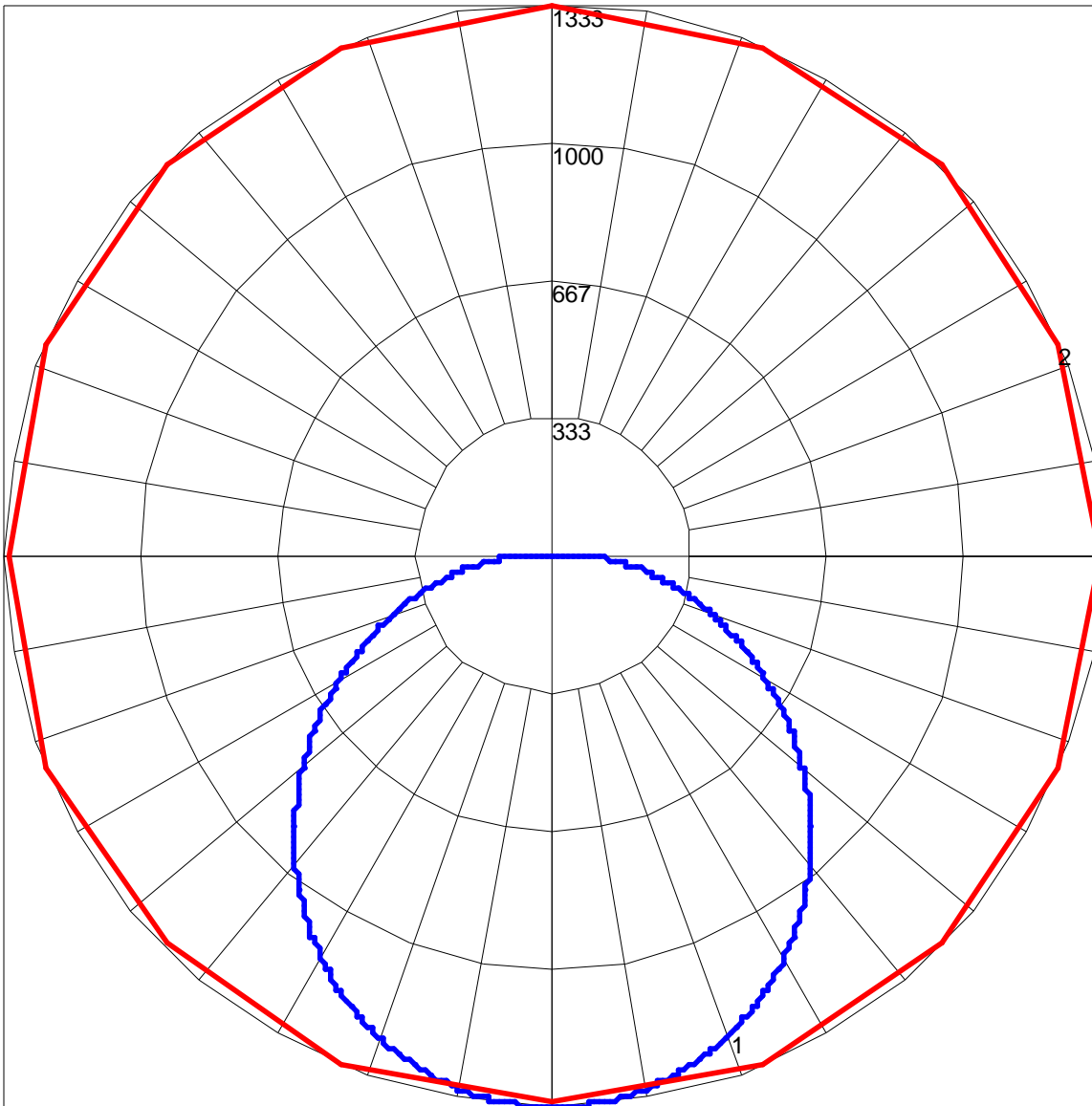
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDA48LED30RFD MVWH40.IES**

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99
1	108	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	67	63	58	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	40	67	54	46	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	38	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 1333.41 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.)