



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDA48LED30RFDMMVWH50.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] LDA48LED30RFDMMVWH50
 [LUMINAIRE] Catalog Number: LDA48LED30RFDMMVWH50
 [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 M10CC850D32N2S 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	4065
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
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	4831	5468	5958
55	4275	5235	5982
65	3687	5038	6112
75	3038	5069	6360
85	2240	5954	6929

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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	1368.507	1368.507	1368.507	1368.507	1368.507
0.5	1365.528	1365.830	1372.330	1370.930	1364.116
1.0	1365.417	1365.608	1372.059	1370.751	1364.103
1.5	1364.893	1365.287	1371.738	1370.523	1363.851
2.0	1364.406	1364.850	1371.276	1370.227	1363.548
2.5	1363.690	1364.196	1370.751	1369.740	1363.215
3.0	1362.839	1363.456	1370.018	1369.203	1362.833
3.5	1361.785	1362.469	1369.216	1368.439	1362.401
4.0	1360.619	1361.458	1368.266	1367.674	1361.735
4.5	1359.355	1360.286	1367.316	1366.916	1360.946
5.0	1357.844	1358.886	1366.089	1365.873	1360.218
5.5	1356.105	1357.375	1364.732	1364.813	1359.244
6.0	1354.458	1355.753	1363.296	1363.622	1358.288
6.5	1352.368	1353.959	1361.723	1362.364	1357.252
7.0	1350.221	1352.010	1360.015	1361.014	1356.074
7.5	1348.020	1349.969	1358.300	1359.478	1354.773
8.0	1345.602	1347.736	1356.388	1357.930	1353.471
8.5	1343.037	1345.362	1354.310	1356.284	1352.084
9.0	1340.311	1342.858	1352.164	1354.458	1350.542
9.5	1337.425	1340.274	1349.814	1352.620	1348.883
10.0	1334.354	1337.376	1347.428	1350.635	1347.132
10.5	1331.215	1334.576	1344.887	1348.556	1345.356
11.0	1327.786	1331.424	1342.297	1346.398	1343.567
11.5	1324.394	1328.162	1339.509	1344.091	1341.538
12.0	1320.688	1324.764	1336.617	1341.730	1339.460
12.5	1316.883	1321.280	1333.571	1339.275	1337.320
13.0	1312.948	1317.586	1330.432	1336.697	1334.995
13.5	1308.872	1313.787	1327.212	1334.045	1332.683
14.0	1304.567	1309.908	1323.913	1331.258	1330.284
14.5	1300.164	1305.813	1320.299	1328.359	1327.693
15.0	1295.662	1301.595	1316.821	1325.430	1325.066
15.5	1291.031	1297.216	1313.145	1322.322	1322.433
16.0	1286.140	1292.646	1309.260	1319.047	1319.565
16.5	1281.151	1288.064	1305.326	1315.890	1316.691
17.0	1276.088	1283.310	1301.299	1312.455	1313.731
17.5	1270.791	1278.438	1297.124	1308.952	1310.635
18.0	1265.364	1273.337	1292.844	1305.387	1307.459
18.5	1259.881	1268.163	1288.484	1301.774	1304.154
19.0	1254.096	1262.730	1283.902	1297.894	1300.768
19.5	1248.176	1257.328	1279.258	1294.040	1297.321
20.0	1242.243	1251.679	1274.528	1290.081	1293.793
20.5	1235.959	1245.937	1269.619	1285.930	1290.050
21.0	1229.823	1240.079	1264.667	1281.836	1286.381
21.5	1223.459	1234.091	1259.647	1277.506	1282.520
22.0	1216.805	1227.911	1254.429	1273.097	1278.536
22.5	1210.138	1221.627	1249.101	1268.644	1274.423
23.0	1203.354	1215.238	1243.680	1264.019	1270.377
23.5	1196.342	1208.639	1238.130	1259.351	1266.165
24.0	1189.257	1201.998	1232.500	1254.584	1261.885
24.5	1181.967	1195.208	1226.727	1249.724	1257.470
25.0	1174.604	1188.239	1220.881	1244.636	1252.906
25.5	1167.068	1181.202	1214.967	1239.616	1248.355
26.0	1159.556	1174.073	1208.917	1234.473	1243.662
26.5	1151.619	1166.685	1202.701	1229.206	1238.833

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CANDELA TABULATION - (Cont.)

27.0	1143.781	1159.279	1196.410	1223.804	1233.961
27.5	1135.739	1151.743	1190.015	1218.340	1228.997
28.0	1127.525	1143.960	1183.447	1212.771	1223.878
28.5	1119.236	1136.190	1176.904	1207.147	1218.803
29.0	1110.831	1128.253	1170.250	1201.393	1213.579
29.5	1102.246	1120.199	1163.312	1195.485	1208.103
30.0	1093.600	1112.064	1156.491	1189.614	1202.719
30.5	1084.886	1103.800	1149.560	1183.571	1197.231
31.0	1075.790	1095.290	1142.326	1177.367	1191.594
31.5	1066.768	1086.823	1135.221	1171.156	1185.840
32.0	1057.659	1078.281	1127.981	1164.903	1180.037
32.5	1048.304	1069.500	1120.501	1158.403	1174.086
33.0	1038.893	1060.712	1113.082	1151.922	1168.036
33.5	1029.476	1051.800	1105.558	1145.317	1161.912
34.0	1019.689	1042.760	1097.769	1138.552	1155.690
34.5	1010.081	1033.682	1090.122	1131.867	1149.368
35.0	1000.250	1024.468	1082.308	1124.984	1143.004
35.5	990.180	1015.045	1074.310	1117.880	1136.393
36.0	980.269	1005.647	1066.299	1110.806	1129.862
36.5	970.131	996.273	1058.307	1103.720	1123.227
37.0	959.727	986.553	1050.055	1096.388	1116.375
37.5	949.490	976.970	1041.890	1089.111	1109.443
38.0	939.160	967.282	1033.602	1081.686	1102.573
38.5	928.590	957.433	1025.073	1074.150	1095.457
39.0	918.118	947.572	1016.692	1066.601	1088.389
39.5	907.449	937.674	1008.212	1058.954	1081.155
40.0	896.583	927.585	999.473	1051.116	1073.835
40.5	885.902	917.613	990.815	1043.352	1066.441
41.0	875.177	907.511	982.095	1035.538	1058.997
41.5	864.120	897.311	973.183	1027.422	1051.387
42.0	853.241	887.080	964.321	1019.454	1043.759
42.5	842.431	876.892	955.342	1011.376	1036.130
43.0	831.342	866.433	946.234	1003.167	1028.267
43.5	820.482	856.195	937.162	994.916	1020.447
44.0	809.363	845.816	928.029	986.664	1012.486
44.5	798.078	835.265	918.605	978.179	1004.370
45.0	787.162	824.892	909.410	969.841	996.347
45.5	776.185	814.531	900.080	961.392	988.157
46.0	764.905	803.856	890.564	952.697	979.850
46.5	753.792	793.354	881.104	944.131	971.648
47.0	742.704	782.913	871.687	935.552	963.310
47.5	731.505	772.250	861.955	926.752	954.806
48.0	720.361	761.686	852.384	918.038	946.308
48.5	709.174	751.128	842.764	909.232	937.760
49.0	698.006	740.466	832.952	900.209	929.120
49.5	686.991	729.957	823.257	891.434	920.505
50.0	675.909	719.387	813.470	882.492	911.822
50.5	664.710	708.582	803.566	873.420	903.009
51.0	653.727	698.111	793.761	864.391	894.203
51.5	642.805	687.664	783.955	855.400	885.402
52.0	631.593	676.958	773.903	846.199	876.405
52.5	620.702	666.400	763.999	837.059	867.456
53.0	609.731	655.836	754.138	827.852	858.453
53.5	598.717	645.192	743.993	818.552	849.430
54.0	587.949	634.726	734.070	809.431	840.439
54.5	577.151	624.224	724.067	800.242	831.373

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CANDELA TABULATION - (Cont.)

55.0	566.254	613.542	713.818	790.813	822.086
55.5	555.634	603.151	703.975	781.698	813.094
56.0	544.965	592.760	693.997	772.398	803.912
56.5	534.087	582.091	683.815	762.994	794.686
57.0	523.541	571.730	673.751	753.688	785.577
57.5	512.965	561.339	663.717	744.431	776.320
58.0	502.314	550.880	653.535	735.039	766.873
58.5	492.040	540.581	643.502	725.757	757.573
59.0	481.575	530.263	633.511	716.433	748.174
59.5	471.140	519.866	623.410	707.010	738.535
60.0	460.860	509.690	613.468	697.691	729.174
60.5	450.684	499.515	603.515	688.324	719.633
61.0	440.348	489.123	593.420	678.746	709.964
61.5	430.321	478.991	583.509	669.292	700.411
62.0	420.213	468.920	573.654	659.850	690.833
62.5	410.019	458.794	563.670	650.230	680.942
63.0	400.170	448.773	553.901	640.739	671.216
63.5	390.328	438.764	544.182	631.211	661.318
64.0	380.430	428.792	534.364	621.529	651.574
64.5	370.760	418.955	524.738	611.964	641.966
65.0	361.078	409.143	515.185	602.405	632.191
65.5	351.248	399.221	505.416	592.636	622.145
66.0	341.781	389.477	495.907	583.065	612.260
66.5	332.315	379.869	486.428	573.580	602.547
67.0	322.861	370.143	476.802	563.910	592.636
67.5	313.518	360.677	467.311	554.315	582.818
68.0	304.304	351.192	457.900	544.799	572.655
68.5	295.097	341.800	448.372	535.246	562.171
69.0	286.025	332.488	439.047	525.786	551.990
69.5	277.120	323.262	429.643	515.962	541.950
70.0	268.012	313.987	420.115	505.947	531.521
70.5	259.236	304.977	410.846	496.228	520.865
71.0	250.417	296.004	401.626	486.564	510.270
71.5	241.691	287.006	392.456	476.598	499.582
72.0	233.180	278.200	383.353	466.509	489.129
72.5	224.756	269.541	374.355	456.488	478.251
73.0	216.277	260.821	365.376	446.583	466.823
73.5	208.025	252.347	356.539	436.574	455.858
74.0	199.829	243.886	347.486	426.023	444.931
74.5	191.590	235.549	338.562	415.582	433.497
75.0	183.653	227.445	329.725	405.480	421.693
75.5	175.883	219.477	320.980	395.206	409.939
76.0	167.952	211.411	311.970	384.044	398.419
76.5	160.367	203.641	303.219	373.307	386.554
77.0	152.892	195.938	294.585	362.829	373.967
77.5	145.307	188.217	285.655	351.778	361.658
78.0	138.061	180.675	276.880	340.283	350.094
78.5	130.802	173.157	268.295	329.293	337.600
79.0	123.673	165.744	259.322	318.322	324.341
79.5	116.612	158.572	250.516	306.648	312.408
80.0	109.760	151.486	241.907	295.011	300.721
80.5	103.007	144.419	232.983	283.855	287.672
81.0	96.304	137.647	224.072	272.538	275.498
81.5	89.859	130.870	215.370	260.883	264.564
82.0	83.384	124.210	206.274	250.004	252.865
82.5	77.063	117.679	197.418	239.286	240.982

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CANDELA TABULATION - (Cont.)

83.0	70.877	111.228	188.661	227.926	230.128
83.5	64.797	104.765	179.645	217.251	219.453
84.0	58.901	98.487	171.307	206.977	208.420
84.5	53.049	92.345	162.642	196.123	198.096
85.0	47.319	86.159	154.002	186.108	188.192
85.5	41.794	80.140	145.572	176.339	178.158
86.0	36.280	74.251	137.043	166.305	168.612
86.5	30.816	68.411	128.668	157.080	159.491
87.0	25.525	62.768	120.201	147.866	150.222
87.5	20.345	57.254	112.196	138.628	141.644
88.0	15.214	51.778	103.945	130.259	133.392
88.5	10.280	46.345	96.279	121.570	124.802
89.0	5.624	41.122	88.490	113.633	117.198
89.5	0.000	35.818	81.053	105.585	109.119
90.0	0.000	30.767	73.671	97.895	101.848
90.5	0.000	25.760	66.665	90.581	94.725
91.0	0.000	20.875	59.826	83.150	87.467
91.5	0.000	16.281	53.166	76.230	80.825
92.0	0.000	11.853	46.721	69.545	73.979
92.5	0.000	7.641	40.499	62.755	67.621
93.0	0.000	3.731	34.554	56.471	61.281
93.5	0.000	0.000	28.886	50.286	55.201
94.0	0.000	0.000	23.317	44.236	49.324
94.5	0.000	0.000	18.125	38.501	43.545
95.0	0.000	0.000	13.105	32.765	38.020
95.5	0.000	0.000	8.227	27.209	32.512
96.0	0.000	0.000	4.046	21.955	27.283
96.5	0.000	0.000	0.000	16.953	22.201
97.0	0.000	0.000	0.000	12.007	17.372
97.5	0.000	0.000	0.000	7.487	12.747
98.0	0.000	0.000	0.000	3.861	8.381
98.5	0.000	0.000	0.000	0.000	4.693
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 : LDA48LED30RFDMVWH50.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 : LDA48LED30RFDMMVWH50.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 MVWH50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	500.13	N.A.	12.30
0-30	1060.8	N.A.	26.10
0-40	1733.56	N.A.	42.60
0-60	3056.07	N.A.	75.20
0-80	3891.2	N.A.	95.70
0-90	4041.99	N.A.	99.40
10-90	3912.52	N.A.	96.20
20-40	1233.43	N.A.	30.30
20-50	1926.89	N.A.	47.40
40-70	1823.67	N.A.	44.90
60-80	835.14	N.A.	20.50
70-80	333.98	N.A.	8.20
80-90	150.79	N.A.	3.70
90-110	23.17	N.A.	0.60
90-120	23.17	N.A.	0.60
90-130	23.17	N.A.	0.60
90-150	23.17	N.A.	0.60
90-180	23.17	N.A.	0.60
110-180	0.00	N.A.	0.00
0-180	4065.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.47
10-20	370.66
20-30	560.68
30-40	672.76
40-50	693.46
50-60	629.05
60-70	501.16
70-80	333.98
80-90	150.79
90-100	23.17
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

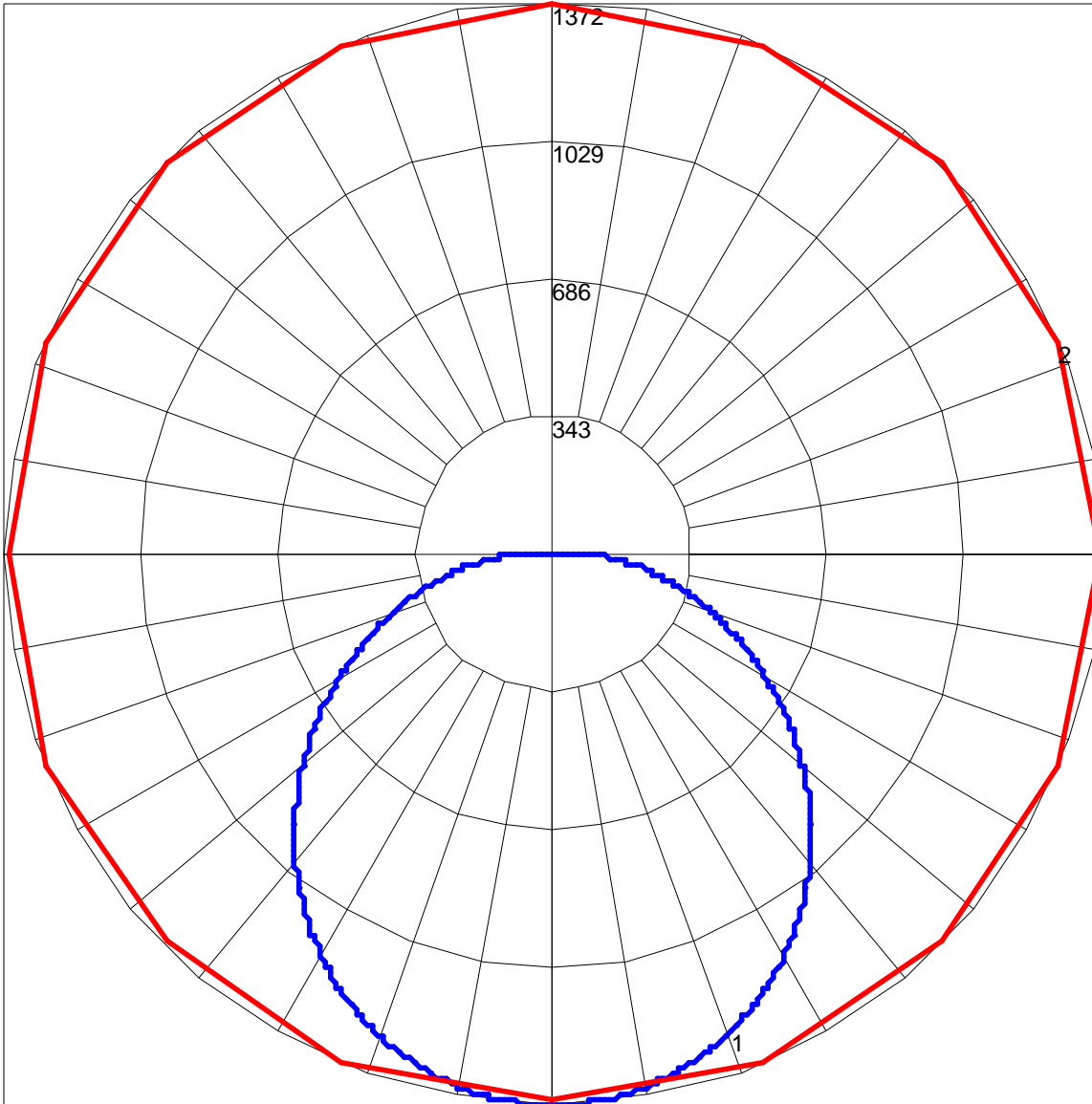
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDA48LED30RFD MVWH50.IES

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	60	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 = 1372.33 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.)