



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPLIA48-LED24DMVWH50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000708-021A
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] LPLIA48-LED24DMVWH50
 [LUMINAIRE] Catalog Number: LPLIA48-LED24DMVWH50
 [MORE] Pendant mounted, formed white enamel steel housing, formed white enamel steel reflector trays, frosted linear ribbed plastic lower enclosure.
 [MORE] 128 white LEDs, 4 lower Everline M10CC850D32N2S LED boards with 32 white LEDs each.
 [MORE] One Everline D10CC55UNVTZ-C LED driver set at 417mA.
 [MORE] 120.0Vac, 60.00Hz, 0.1915A, 22.81W, 0.993PF, 8.1%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 created: Monday, March 6, 2017 9:25:04 AM
 [ISSUE DATE] Monday, March 6, 2017 9:25:04 AM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3115
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	22.8
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	3704	4195	4570
55	3277	4016	4589
65	2826	3865	4685
75	2330	3884	4836
85	1723	4511	5202

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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	1049.750	1049.750	1049.750	1049.750	1049.750
0.5	1047.338	1047.748	1052.743	1051.688	1046.089
1.0	1047.145	1047.618	1052.690	1051.591	1046.100
1.5	1046.757	1047.435	1052.410	1051.365	1046.132
2.0	1046.434	1047.005	1052.087	1051.128	1046.025
2.5	1045.874	1046.520	1051.570	1050.719	1045.680
3.0	1045.293	1045.874	1051.010	1050.342	1045.250
3.5	1044.291	1045.260	1050.428	1049.804	1044.797
4.0	1043.505	1044.399	1049.729	1049.180	1044.410
4.5	1042.450	1043.473	1048.738	1048.555	1044.033
5.0	1041.352	1042.493	1047.887	1047.834	1043.387
5.5	1040.071	1041.255	1046.865	1046.994	1042.515
6.0	1038.703	1039.931	1045.809	1046.132	1041.772
6.5	1037.131	1038.660	1044.647	1045.045	1041.018
7.0	1035.516	1037.174	1043.301	1044.011	1040.221
7.5	1033.804	1035.570	1041.912	1042.859	1039.059
8.0	1032.038	1033.869	1040.480	1041.675	1038.122
8.5	1029.960	1032.060	1038.908	1040.394	1037.056
9.0	1027.936	1030.187	1037.282	1039.048	1035.947
9.5	1025.546	1028.109	1035.441	1037.648	1034.698
10.0	1023.145	1025.880	1033.654	1036.055	1033.363
10.5	1020.852	1023.726	1031.640	1034.407	1032.006
11.0	1018.289	1021.379	1029.713	1032.771	1030.628
11.5	1015.533	1018.827	1027.549	1031.123	1029.164
12.0	1012.701	1016.308	1025.374	1029.239	1027.484
12.5	1009.848	1013.702	1023.091	1027.430	1025.815
13.0	1006.887	1010.795	1020.593	1025.406	1024.157
13.5	1003.646	1008.017	1018.181	1023.479	1022.219
14.0	1000.470	1004.927	1015.630	1021.207	1020.421
14.5	997.229	1001.676	1012.895	1018.892	1018.515
15.0	993.622	998.618	1010.203	1016.706	1016.642
15.5	990.026	995.161	1007.404	1014.359	1014.477
16.0	986.268	991.791	1004.400	1011.904	1012.281
16.5	982.532	988.131	1001.417	1009.309	1010.031
17.0	978.419	984.599	998.370	1006.844	1007.716
17.5	974.467	980.723	995.054	1004.120	1005.476
18.0	970.354	976.965	991.899	1001.417	1003.000
18.5	966.177	972.917	988.464	998.553	1000.459
19.0	961.698	968.825	984.965	995.646	997.832
19.5	957.305	964.605	981.509	992.717	995.226
20.0	952.589	960.298	977.891	989.692	992.459
20.5	947.841	955.862	973.961	986.494	989.509
21.0	943.146	951.437	970.247	983.167	986.817
21.5	938.183	946.807	966.274	980.012	983.792
22.0	933.251	941.973	962.398	976.599	980.928
22.5	928.180	937.278	958.360	973.165	977.816
23.0	922.915	932.358	954.204	969.676	974.586
23.5	917.488	927.340	949.962	965.961	971.334
24.0	912.083	922.204	945.687	962.462	968.158
24.5	906.517	917.047	941.348	958.661	964.691
25.0	900.703	911.577	936.686	954.774	961.116
25.5	895.071	906.237	932.131	950.909	957.660
26.0	889.236	900.778	927.512	946.915	954.053
26.5	883.195	895.136	922.667	942.909	950.328

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CANDELA TABULATION - (Cont.)

27.0	877.123	889.386	917.908	938.742	946.678
27.5	870.996	883.669	912.988	934.640	942.780
28.0	864.644	877.683	907.960	930.236	938.904
28.5	858.378	871.761	902.964	925.897	934.985
29.0	851.896	865.721	897.882	921.569	931.044
29.5	845.274	859.454	892.541	917.101	926.845
30.0	838.577	853.263	887.352	912.482	922.689
30.5	831.869	846.943	881.968	907.723	918.533
31.0	825.011	840.429	876.455	903.093	914.043
31.5	818.001	833.893	870.889	898.355	909.650
32.0	810.970	827.369	865.419	893.499	905.139
32.5	803.832	820.575	859.648	888.504	900.487
33.0	796.640	813.834	853.995	883.594	896.040
33.5	789.372	807.084	848.257	878.523	891.217
34.0	781.953	800.074	842.270	873.311	886.512
34.5	774.524	793.130	836.424	868.100	881.527
35.0	766.987	786.056	830.480	862.824	876.746
35.5	759.289	778.863	824.203	857.398	871.686
36.0	751.558	771.596	818.055	851.960	866.743
36.5	743.838	764.403	811.983	846.566	861.748
37.0	735.871	757.028	805.748	840.989	856.332
37.5	728.054	749.631	799.471	835.390	851.056
38.0	720.097	742.202	793.033	829.705	845.769
38.5	711.925	734.622	786.572	823.934	840.278
39.0	704.097	727.171	780.155	818.174	834.873
39.5	695.796	719.548	773.577	812.241	829.274
40.0	687.484	711.677	766.847	806.179	823.686
40.5	679.258	704.108	760.182	800.311	818.023
41.0	671.042	696.410	753.507	794.249	812.295
41.5	662.633	688.474	746.638	788.037	806.384
42.0	654.300	680.636	739.854	781.943	800.645
42.5	646.009	672.851	732.985	775.762	794.701
43.0	637.439	664.787	725.997	769.561	788.715
43.5	629.073	656.959	719.074	763.208	782.739
44.0	620.567	649.024	712.022	756.855	776.570
44.5	612.007	640.949	704.668	750.298	770.422
45.0	603.576	632.949	697.659	743.881	764.199
45.5	595.157	624.831	690.606	737.443	757.964
46.0	586.468	616.820	683.306	730.746	751.623
46.5	577.951	608.734	676.028	724.231	745.259
47.0	569.391	600.691	668.760	717.599	738.832
47.5	560.767	592.465	661.331	710.859	732.350
48.0	552.250	584.400	653.998	704.097	725.943
48.5	543.755	576.304	646.644	697.411	719.236
49.0	535.184	568.067	639.021	690.531	712.689
49.5	526.722	560.013	631.635	683.823	706.132
50.0	518.194	551.927	624.152	676.932	699.403
50.5	509.634	543.723	616.551	669.901	692.576
51.0	501.290	535.637	608.992	662.967	685.858
51.5	492.773	527.594	601.369	656.119	679.172
52.0	484.343	519.314	593.757	649.002	672.270
52.5	475.923	511.271	586.102	642.058	665.454
53.0	467.514	503.099	578.500	634.984	658.434
53.5	459.029	494.884	570.705	627.867	651.522
54.0	450.750	486.959	563.082	620.847	644.631
54.5	442.351	478.873	555.416	613.762	637.697

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CANDELA TABULATION - (Cont.)

55.0	434.104	470.582	547.642	606.602	630.634
55.5	425.932	462.669	540.030	599.474	623.603
56.0	417.835	454.680	532.310	592.422	616.691
56.5	409.372	446.572	524.493	585.186	609.412
57.0	401.340	438.497	516.762	578.069	602.543
57.5	393.275	430.583	509.139	571.028	595.350
58.0	385.028	422.519	501.376	563.792	588.244
58.5	377.103	414.626	493.635	556.708	581.321
59.0	369.114	406.627	485.925	549.537	573.978
59.5	361.082	398.659	478.130	542.323	566.624
60.0	353.244	390.896	470.507	535.228	559.367
60.5	345.405	383.014	462.906	528.035	552.035
61.0	337.535	375.036	455.143	520.757	544.433
61.5	329.772	367.327	447.520	513.478	537.101
62.0	322.030	359.564	439.940	506.135	529.532
62.5	314.160	351.736	432.349	498.695	522.092
63.0	306.666	344.038	424.930	491.524	514.598
63.5	299.086	336.372	417.383	484.074	507.061
64.0	291.398	328.727	409.846	476.612	499.535
64.5	284.001	321.158	402.524	469.334	492.170
65.0	276.755	313.632	395.257	461.904	484.633
65.5	269.153	306.009	387.838	454.410	477.064
66.0	261.853	298.590	380.495	447.110	469.398
66.5	254.736	291.172	373.238	439.800	461.807
67.0	247.426	283.710	365.841	432.446	454.012
67.5	240.266	276.400	358.552	425.103	446.346
68.0	233.224	269.293	351.349	417.727	438.271
68.5	226.107	261.961	344.081	410.287	430.228
69.0	219.108	254.844	336.813	402.750	422.594
69.5	212.314	247.813	329.556	395.127	414.669
70.0	205.413	240.696	322.235	387.483	406.207
70.5	198.662	233.676	315.161	380.107	398.121
71.0	191.911	226.915	308.087	372.463	390.088
71.5	185.279	219.970	300.948	364.528	381.959
72.0	178.678	213.251	294.058	356.883	373.335
72.5	172.315	206.608	287.124	349.325	364.678
73.0	165.801	199.932	280.222	341.400	356.151
73.5	159.352	193.494	273.288	333.389	347.860
74.0	153.139	186.861	266.343	325.142	338.848
74.5	146.937	180.573	259.452	317.433	329.546
75.0	140.843	174.372	252.658	309.401	320.630
75.5	134.792	168.181	245.789	301.002	312.028
76.0	128.763	162.108	238.952	292.529	302.456
76.5	122.981	156.132	232.255	284.561	292.712
77.0	117.231	150.221	225.450	276.098	283.581
77.5	111.385	144.299	218.484	267.022	274.677
78.0	105.861	138.528	211.808	258.709	264.696
78.5	100.392	132.725	205.014	250.333	254.629
79.0	94.933	127.018	198.016	241.009	245.584
79.5	89.441	121.484	191.405	232.061	236.314
80.0	84.187	116.057	184.600	223.921	225.999
80.5	78.890	110.674	177.526	214.683	216.707
81.0	73.883	105.506	170.862	205.520	208.385
81.5	68.887	100.305	163.981	197.553	199.039
82.0	64.021	95.105	156.897	188.918	189.758
82.5	59.197	90.066	150.124	179.906	181.919

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CANDELA TABULATION - (Cont.)

83.0	54.513	85.070	143.147	172.218	173.456
83.5	49.797	80.085	136.472	164.003	164.692
84.0	45.318	75.240	129.796	155.540	157.338
84.5	40.742	70.524	123.185	148.186	149.435
85.0	36.403	65.679	116.682	140.133	141.285
85.5	32.000	61.070	110.017	132.509	134.415
86.0	27.919	56.505	103.762	125.694	127.018
86.5	23.698	51.972	96.968	117.985	119.858
87.0	19.607	47.644	90.906	111.277	113.387
87.5	15.698	43.391	84.381	104.548	106.550
88.0	11.596	39.127	78.438	97.775	100.165
88.5	7.881	35.014	72.354	91.627	93.974
89.0	4.425	31.009	66.594	85.189	87.751
89.5	1.292	26.896	60.877	79.288	81.980
90.0	0.075	23.052	55.278	73.420	76.198
90.5	0.129	19.262	49.894	67.864	70.815
91.0	0.054	15.548	44.618	62.179	65.270
91.5	0.108	11.941	39.536	56.904	60.069
92.0	0.043	8.592	34.702	51.692	54.987
92.5	0.075	5.351	29.965	46.524	50.045
93.0	0.043	2.423	25.356	41.658	45.135
93.5	0.162	0.528	20.974	36.888	40.430
94.0	0.129	0.323	16.732	32.344	36.005
94.5	0.118	0.280	12.673	27.822	31.569
95.0	0.065	0.215	8.861	23.483	27.273
95.5	0.226	0.151	5.168	19.241	23.095
96.0	0.075	0.194	2.067	15.214	19.154
96.5	0.194	0.226	0.517	11.262	15.268
97.0	0.086	0.162	0.398	7.655	11.499
97.5	0.129	0.205	0.355	4.253	8.108
98.0	0.215	0.237	0.345	1.637	4.856
98.5	0.226	0.172	0.226	0.592	2.132
99.0	0.226	0.183	0.280	0.377	0.797
99.5	0.205	0.258	0.269	0.409	0.291
100.0	0.280	0.237	0.291	0.409	0.398
100.5	0.194	0.312	0.312	0.431	0.377
101.0	0.291	0.301	0.205	0.420	0.258
101.5	0.323	0.355	0.355	0.452	0.366
102.0	0.280	0.366	0.301	0.388	0.388
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 : LPLIA48-LED24DMVWH50.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
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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
PHOTOMETRIC FILENAME : LPLIA48-LED24DMVWH50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	383.65	N.A.	12.30
0-30	813.77	N.A.	26.10
0-40	1329.86	N.A.	42.70
0-60	2344.31	N.A.	75.30
0-80	2983.8	N.A.	95.80
0-90	3097.95	N.A.	99.40
10-90	2998.64	N.A.	96.30
20-40	946.21	N.A.	30.40
20-50	1478.17	N.A.	47.50
40-70	1398.71	N.A.	44.90
60-80	639.49	N.A.	20.50
70-80	255.23	N.A.	8.20
80-90	114.15	N.A.	3.70
90-110	17.16	N.A.	0.60
90-120	17.16	N.A.	0.60
90-130	17.16	N.A.	0.60
90-150	17.16	N.A.	0.60
90-180	17.16	N.A.	0.60
110-180	0.00	N.A.	0.00
0-180	3115.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.31
10-20	284.34
20-30	430.12
30-40	516.09
40-50	531.96
50-60	482.50
60-70	384.26
70-80	255.23
80-90	114.15
90-100	17.07
100-110	0.08
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

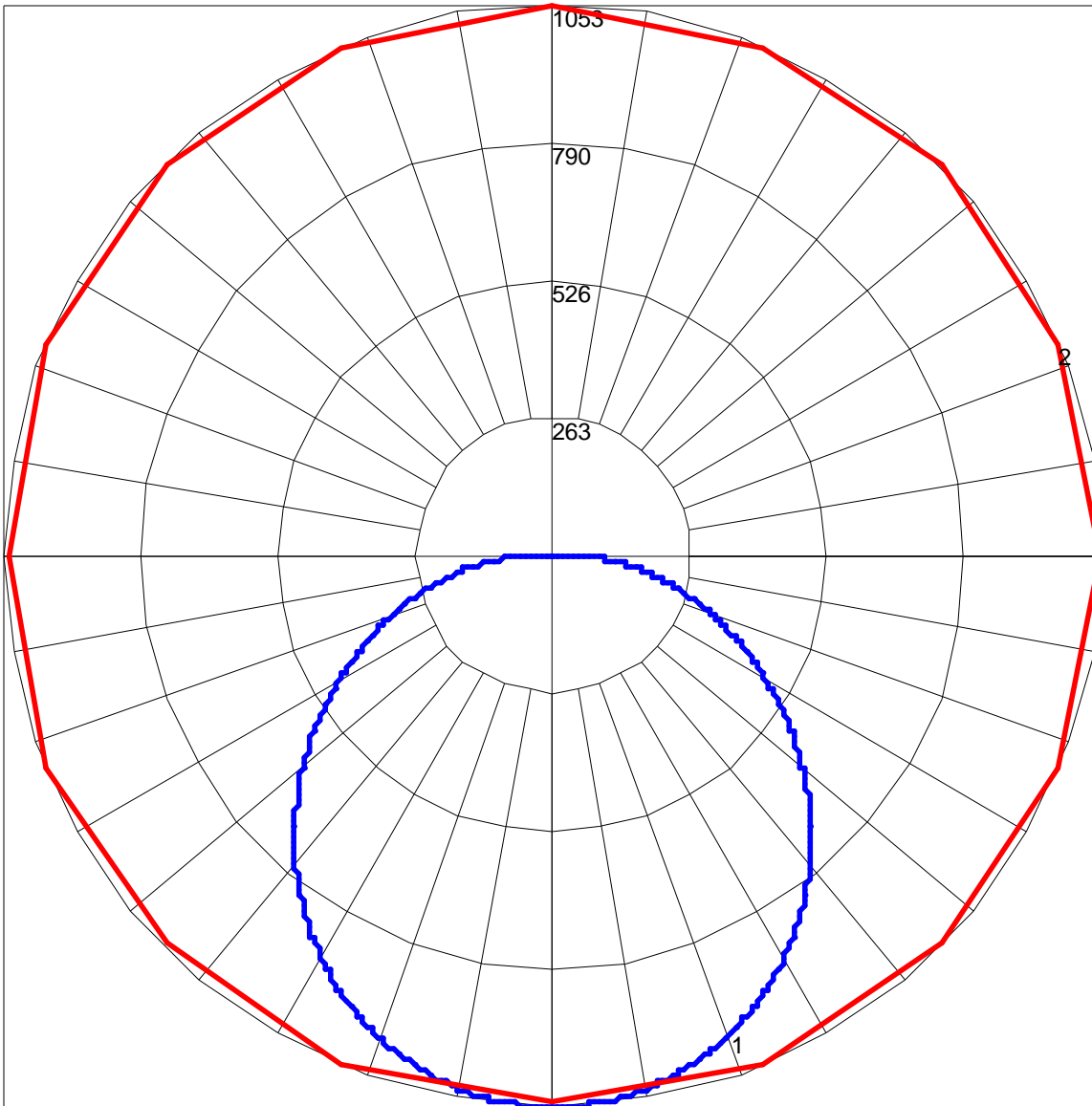
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	81
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67
3	89	78	69	63	86	76	68	62	73	66	61	70	64	60	68	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	45	56	49	44	54	48	43	41
6	69	55	46	40	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	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 = 1052.743 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.)