



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-45L-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8850\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE]DATE]07/11/17  
[TEST]DATE]04/28/17  
[MANUFAC]LSI INDUSTRIES, INC  
[LUMCAT]LPASC14-LED-45L-35  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[OTHER]SCALED FROM ORIGINAL TEST DATA  
[\_SEARCH\_SOURCE]TYPE] LED  
[\_SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4397
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	34.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3413	3819	4150
55	3166	3799	4310
65	2938	3867	4435
75	2693	3848	3734
85	2487	3495	3898

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-45L-35.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1387.940	1387.940	1387.940	1387.940	1387.940
2.5	1422.802	1401.013	1390.119	1377.046	1370.509
5.0	1418.444	1398.835	1390.119	1377.046	1366.151
7.5	1411.908	1394.477	1385.761	1374.867	1368.330
10.0	1411.908	1390.119	1383.582	1374.867	1366.151
12.5	1396.656	1377.046	1374.867	1368.330	1361.794
15.0	1381.404	1363.973	1366.151	1366.151	1357.436
17.5	1363.973	1348.721	1350.899	1355.257	1350.899
20.0	1335.647	1324.753	1331.290	1340.005	1337.826
22.5	1307.322	1300.785	1311.680	1326.932	1324.753
25.0	1278.997	1272.460	1292.070	1309.501	1309.501
27.5	1239.777	1239.777	1265.923	1289.891	1294.249
30.0	1198.378	1207.094	1237.598	1268.102	1274.639
32.5	1152.622	1163.517	1204.915	1241.956	1248.492
35.0	1109.045	1124.297	1172.232	1217.988	1226.704
37.5	1056.752	1076.362	1133.012	1185.305	1196.200
40.0	1008.817	1030.605	1095.972	1152.622	1165.695
42.5	949.987	976.134	1050.215	1111.224	1128.655
45.0	897.694	923.841	1004.459	1074.183	1091.614
47.5	841.044	875.906	960.882	1037.142	1056.752
50.0	784.393	821.434	910.768	991.386	1008.817
52.5	729.921	769.141	865.011	943.451	967.418
55.0	675.450	714.669	810.540	895.516	919.483
57.5	620.978	664.555	764.783	847.580	871.548
60.0	568.685	612.262	710.312	793.109	819.255
62.5	512.034	555.612	658.019	738.637	758.247
65.0	461.920	503.319	607.905	684.165	697.238
67.5	405.270	446.668	551.254	610.084	616.620
70.0	352.977	400.912	494.603	533.823	527.287
72.5	307.221	355.156	435.774	455.384	444.489
75.0	259.286	307.221	370.408	368.229	359.514
77.5	213.529	263.643	302.863	294.147	281.074
80.0	165.594	209.172	230.960	222.245	217.887
82.5	119.838	159.058	169.952	167.773	167.773
85.0	80.618	106.765	113.301	119.838	126.374
87.5	41.399	54.472	54.472	58.829	61.008
90.0	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-45L-35.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	518.19	N.A.	11.80
0-30	1113.62	N.A.	25.30
0-40	1844.96	N.A.	42.00
0-60	3337.63	N.A.	75.90
0-80	4279.78	N.A.	97.30
0-90	4397.48	N.A.	100.00
10-90	4265.05	N.A.	97.00
20-40	1326.77	N.A.	30.20
20-50	2098.81	N.A.	47.70
40-70	2075.64	N.A.	47.20
60-80	942.16	N.A.	21.40
70-80	359.18	N.A.	8.20
80-90	117.70	N.A.	2.70
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4397.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	132.43
10-20	385.75
20-30	595.43
30-40	731.34
40-50	772.04
50-60	720.63
60-70	582.98
70-80	359.18
80-90	117.70
90-100	0.00
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

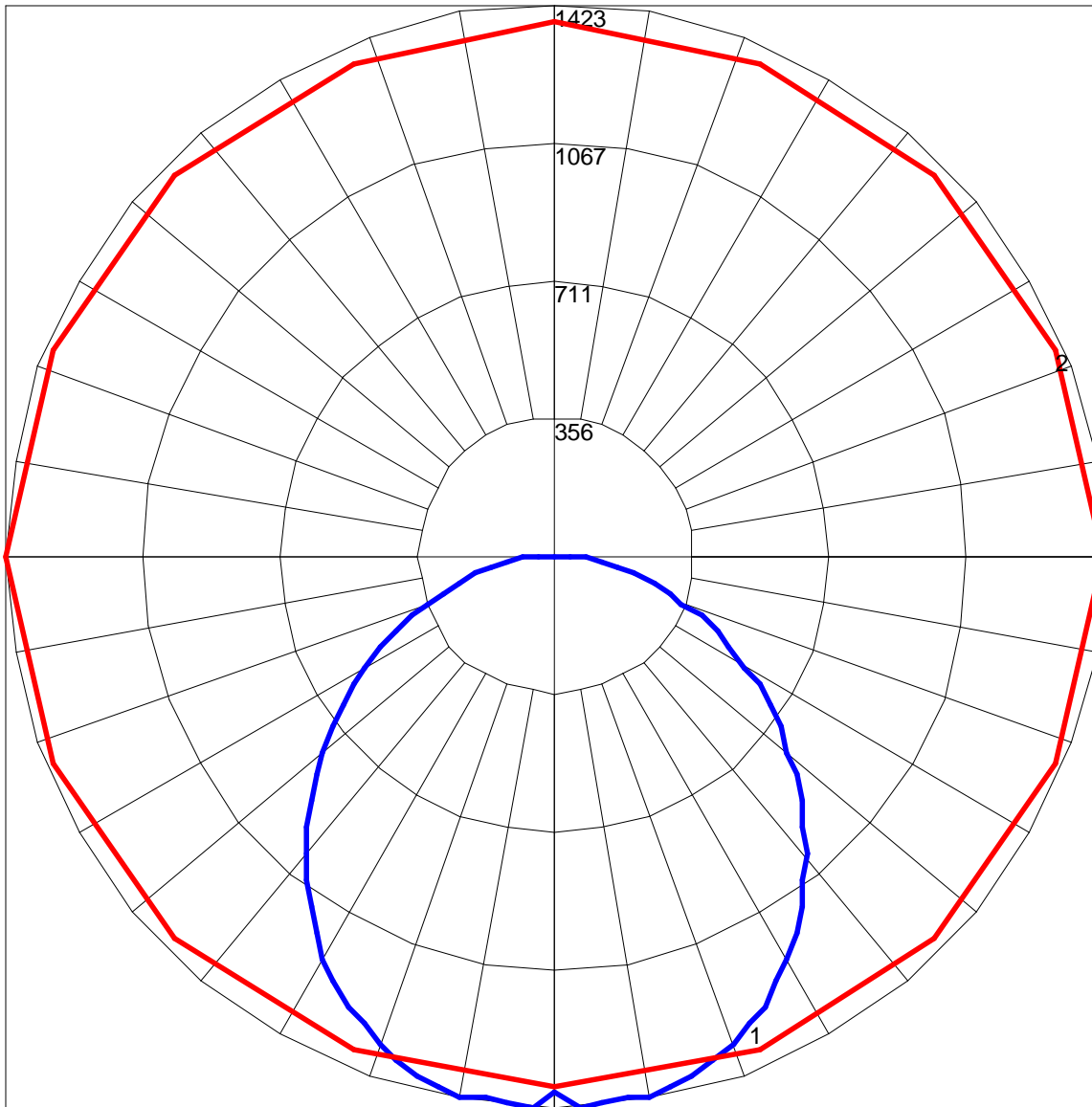
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-45L-35.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	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	100
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 1422.802 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)