



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-50L-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
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-LED-50L-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4932
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	39.4
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	3828	4283	4654
55	3550	4261	4833
65	3295	4337	4974
75	3020	4315	4188
85	2789	3919	4372

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-50L-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	1556.497	1556.497	1556.497	1556.497	1556.497
2.5	1595.592	1571.158	1558.940	1544.279	1536.949
5.0	1590.705	1568.714	1558.940	1544.279	1532.062
7.5	1583.375	1563.827	1554.053	1541.836	1534.505
10.0	1583.375	1558.940	1551.610	1541.836	1532.062
12.5	1566.271	1544.279	1541.836	1534.505	1527.175
15.0	1549.166	1529.618	1532.062	1532.062	1522.288
17.5	1529.618	1512.514	1514.958	1519.845	1514.958
20.0	1497.853	1485.636	1492.966	1502.740	1500.297
22.5	1466.088	1458.758	1470.975	1488.079	1485.636
25.0	1434.323	1426.992	1448.984	1468.531	1468.531
27.5	1390.340	1390.340	1419.662	1446.540	1451.427
30.0	1343.914	1353.688	1387.897	1422.105	1429.436
32.5	1292.601	1304.818	1351.244	1392.784	1400.114
35.0	1243.731	1260.836	1314.592	1365.905	1375.679
37.5	1185.088	1207.079	1270.610	1329.253	1341.471
40.0	1131.331	1155.766	1229.070	1292.601	1307.262
42.5	1065.357	1094.679	1177.757	1246.175	1265.723
45.0	1006.714	1036.036	1126.444	1204.636	1224.183
47.5	943.183	982.279	1077.575	1163.096	1185.088
50.0	879.653	921.192	1021.375	1111.783	1131.331
52.5	818.566	862.548	970.062	1058.027	1084.905
55.0	757.479	801.461	908.975	1004.270	1031.149
57.5	696.392	745.261	857.661	950.514	977.392
60.0	637.748	686.618	796.574	889.427	918.748
62.5	574.218	623.087	737.931	828.340	850.331
65.0	518.018	564.444	681.731	767.253	781.914
67.5	454.487	500.913	618.200	684.174	691.505
70.0	395.844	449.600	554.670	598.653	591.322
72.5	344.531	398.287	488.696	510.687	498.470
75.0	290.774	344.531	415.392	412.948	403.174
77.5	239.461	295.661	339.644	329.870	315.209
80.0	185.704	234.574	259.009	249.235	244.348
82.5	134.391	178.374	190.591	188.148	188.148
85.0	90.409	119.731	127.061	134.391	141.722
87.5	46.426	61.087	61.087	65.974	68.417
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-50L-35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	581.12	N.A.	11.80
0-30	1248.86	N.A.	25.30
0-40	2069.02	N.A.	42.00
0-60	3742.96	N.A.	75.90
0-80	4799.53	N.A.	97.30
0-90	4931.52	N.A.	100.00
10-90	4783.01	N.A.	97.00
20-40	1487.9	N.A.	30.20
20-50	2353.7	N.A.	47.70
40-70	2327.72	N.A.	47.20
60-80	1056.57	N.A.	21.40
70-80	402.80	N.A.	8.20
80-90	131.99	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	4931.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	148.52
10-20	432.60
20-30	667.74
30-40	820.16
40-50	865.80
50-60	808.14
60-70	653.78
70-80	402.80
80-90	131.99
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

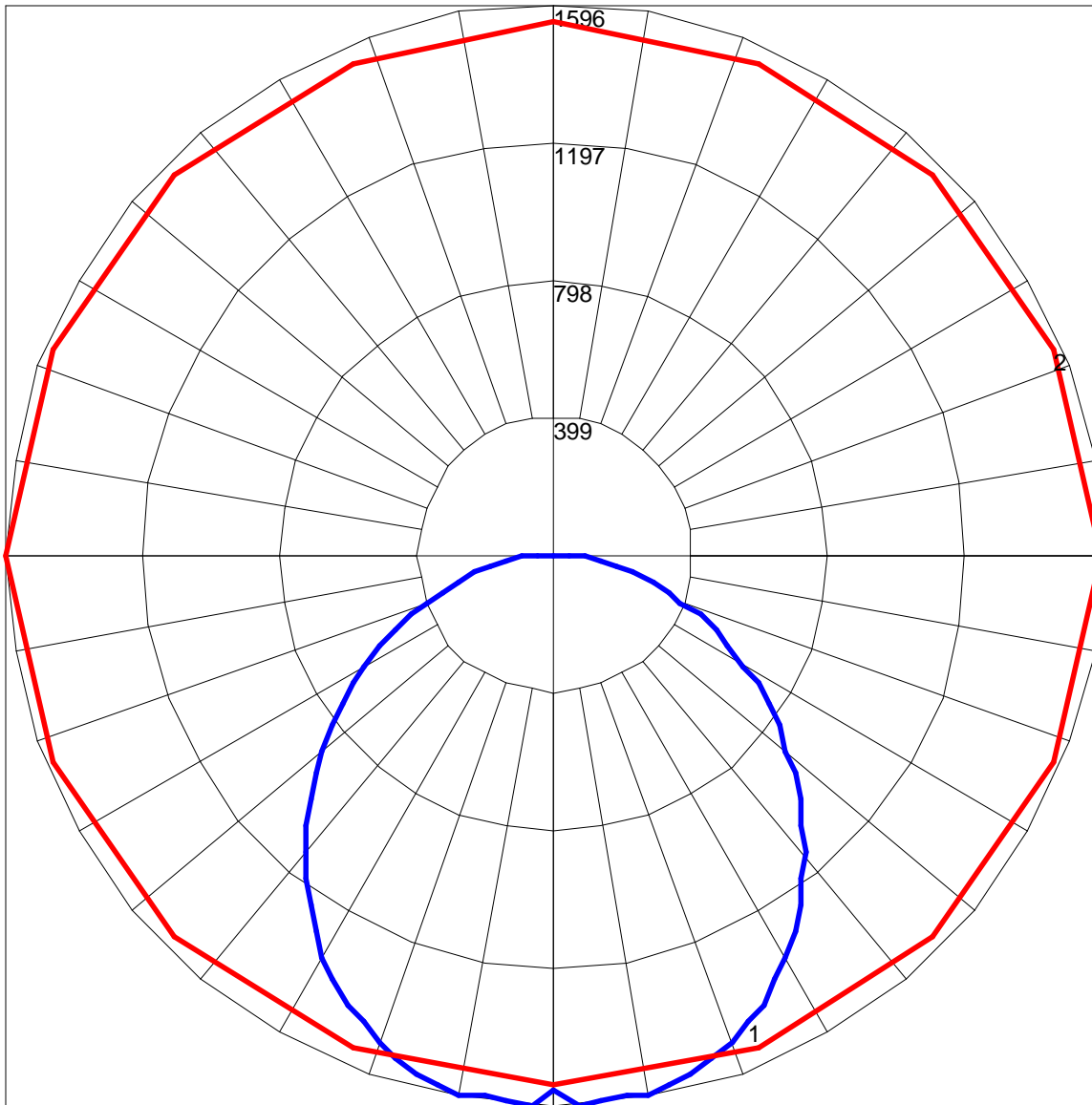
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-50L-35.IES

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 = 1595.592 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.)