



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-50L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8949

[TESTLAB] LSI INDUSTRIES, INC

[ISSUEDATE] 05/25/17

[TESTDATE] 05/25/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPEC14-LED-50L-40

[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5048
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	38.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.50
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	3722	4403	4950
55	3525	4500	5339
65	3270	4574	5706
75	2940	4622	5827
85	2653	4411	3979

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-50L-40.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	1467	1467	1467	1467	1467
2.5	1495	1477	1466	1456	1448
5.0	1494	1477	1466	1458	1449
7.5	1491	1475	1467	1460	1453
10.0	1484	1470	1464	1460	1455
12.5	1470	1458	1457	1460	1455
15.0	1455	1447	1452	1459	1458
17.5	1435	1429	1442	1456	1457
20.0	1413	1409	1430	1452	1456
22.5	1383	1386	1417	1446	1453
25.0	1351	1361	1401	1438	1449
27.5	1317	1332	1382	1430	1442
30.0	1275	1299	1360	1416	1431
32.5	1235	1262	1337	1401	1420
35.0	1189	1223	1308	1381	1403
37.5	1142	1180	1275	1359	1382
40.0	1090	1134	1239	1332	1360
42.5	1034	1084	1199	1301	1331
45.0	979	1033	1158	1269	1302
47.5	925	979	1113	1232	1268
50.0	867	924	1065	1191	1230
52.5	808	868	1013	1146	1187
55.0	752	811	960	1098	1139
57.5	693	752	905	1043	1086
60.0	634	692	846	983	1026
62.5	575	629	784	921	963
65.0	514	568	719	856	897
67.5	456	505	654	787	824
70.0	398	442	585	713	744
72.5	338	380	517	629	657
75.0	283	322	445	544	561
77.5	228	264	372	444	447
80.0	177	209	297	342	337
82.5	131	156	221	239	230
85.0	86	105	143	140	129
87.5	46	54	64	55	50
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-50L-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	550.99	N.A.	10.90
0-30	1197.06	N.A.	23.70
0-40	2011.81	N.A.	39.90
0-60	3750.43	N.A.	74.30
0-80	4907.94	N.A.	97.20
0-90	5048.42	N.A.	100.00
10-90	4908.33	N.A.	97.20
20-40	1460.83	N.A.	28.90
20-50	2347.99	N.A.	46.50
40-70	2442.26	N.A.	48.40
60-80	1157.52	N.A.	22.90
70-80	453.87	N.A.	9.00
80-90	140.48	N.A.	2.80
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	5048.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	140.10
10-20	410.89
20-30	646.07
30-40	814.76
40-50	887.16
50-60	851.45
60-70	703.65
70-80	453.87
80-90	140.48
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

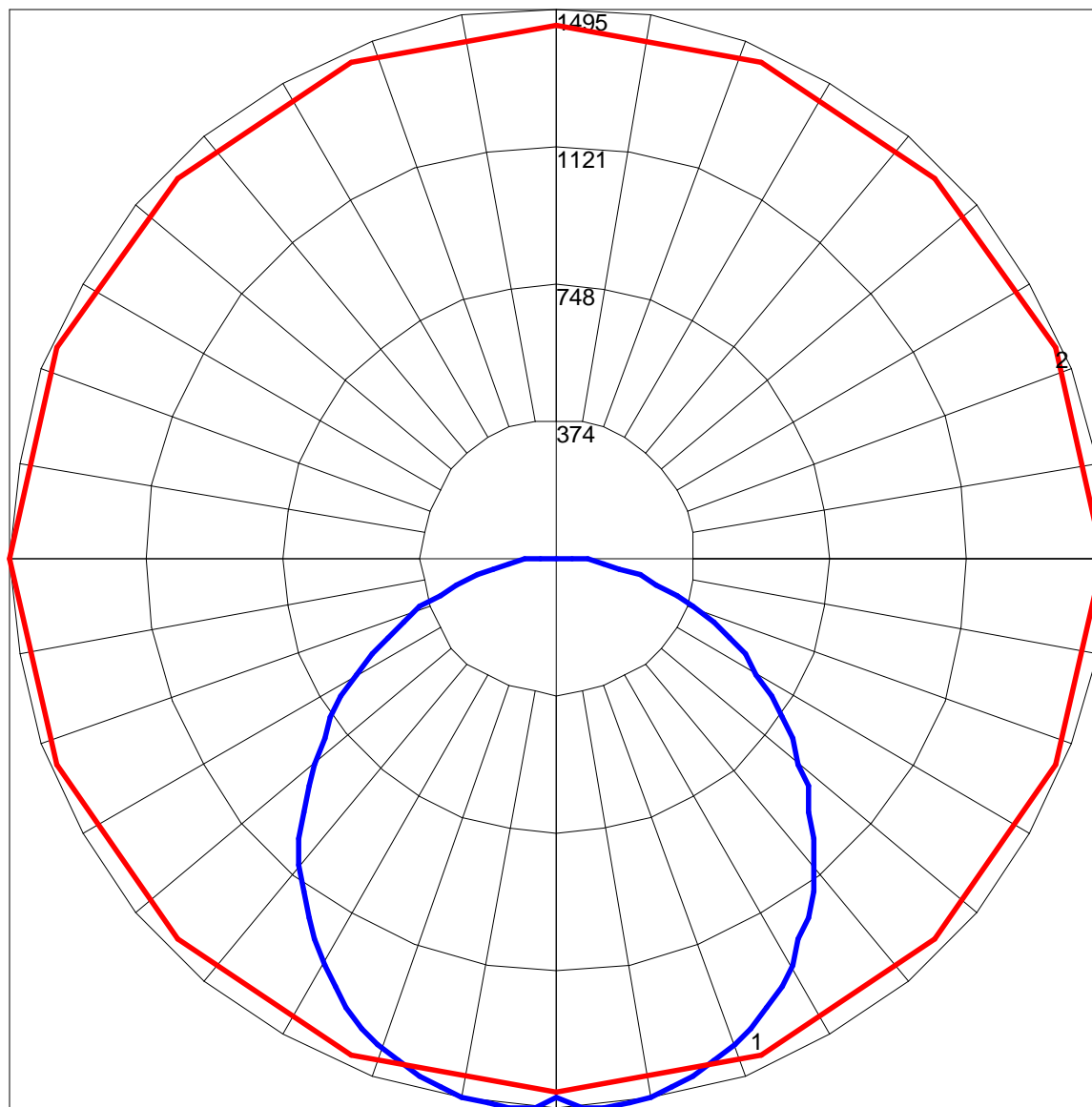
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-50L-40.IES

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	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67
3	88	77	68	61	86	75	67	61	72	65	60	69	64	59	67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	47
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	33	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	23	34	28	23	22

POLAR GRAPH



Maximum Candela = 1495 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.)