



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-60L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8944
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 05/25/17
[TEST DATE] 05/25/17
[MANUFACTURER] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-60L-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	6040
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	46.9
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	4460	5270	5908
55	4209	5381	6379
65	3925	5484	6813
75	3511	5568	6949
85	3177	5275	4720

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-60L-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	1750	1750	1750	1750	1750
2.5	1785	1765	1751	1740	1729
5.0	1783	1764	1752	1742	1731
7.5	1779	1762	1752	1744	1735
10.0	1770	1753	1747	1743	1737
12.5	1754	1742	1741	1742	1739
15.0	1737	1728	1733	1743	1741
17.5	1714	1708	1725	1739	1741
20.0	1686	1685	1710	1735	1738
22.5	1654	1657	1693	1728	1736
25.0	1618	1628	1676	1720	1732
27.5	1573	1591	1650	1707	1722
30.0	1526	1549	1625	1691	1710
32.5	1473	1507	1596	1674	1696
35.0	1419	1459	1562	1651	1676
37.5	1360	1407	1522	1623	1653
40.0	1300	1354	1481	1594	1625
42.5	1237	1296	1434	1557	1592
45.0	1173	1236	1386	1518	1554
47.5	1107	1174	1332	1472	1513
50.0	1038	1107	1273	1422	1467
52.5	968	1040	1214	1371	1417
55.0	898	968	1148	1311	1361
57.5	826	898	1082	1249	1300
60.0	755	825	1013	1180	1233
62.5	687	754	938	1107	1152
65.0	617	680	862	1027	1071
67.5	546	607	783	941	984
70.0	477	532	700	851	888
72.5	406	460	621	756	784
75.0	338	385	536	652	669
77.5	275	315	449	538	546
80.0	212	250	358	419	410
82.5	156	187	267	292	273
85.0	103	126	171	166	153
87.5	57	68	80	66	59
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-60L-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	658.09	N.A.	10.90
0-30	1430.16	N.A.	23.70
0-40	2403.09	N.A.	39.80
0-60	4482.34	N.A.	74.20
0-80	5870.72	N.A.	97.20
0-90	6040.24	N.A.	100.00
10-90	5872.95	N.A.	97.20
20-40	1745.00	N.A.	28.90
20-50	2806.01	N.A.	46.50
40-70	2922.02	N.A.	48.40
60-80	1388.37	N.A.	23.00
70-80	545.61	N.A.	9.00
80-90	169.52	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	6040.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	167.29
10-20	490.80
20-30	772.06
30-40	972.93
40-50	1061.02
50-60	1018.24
60-70	842.77
70-80	545.61
80-90	169.52
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

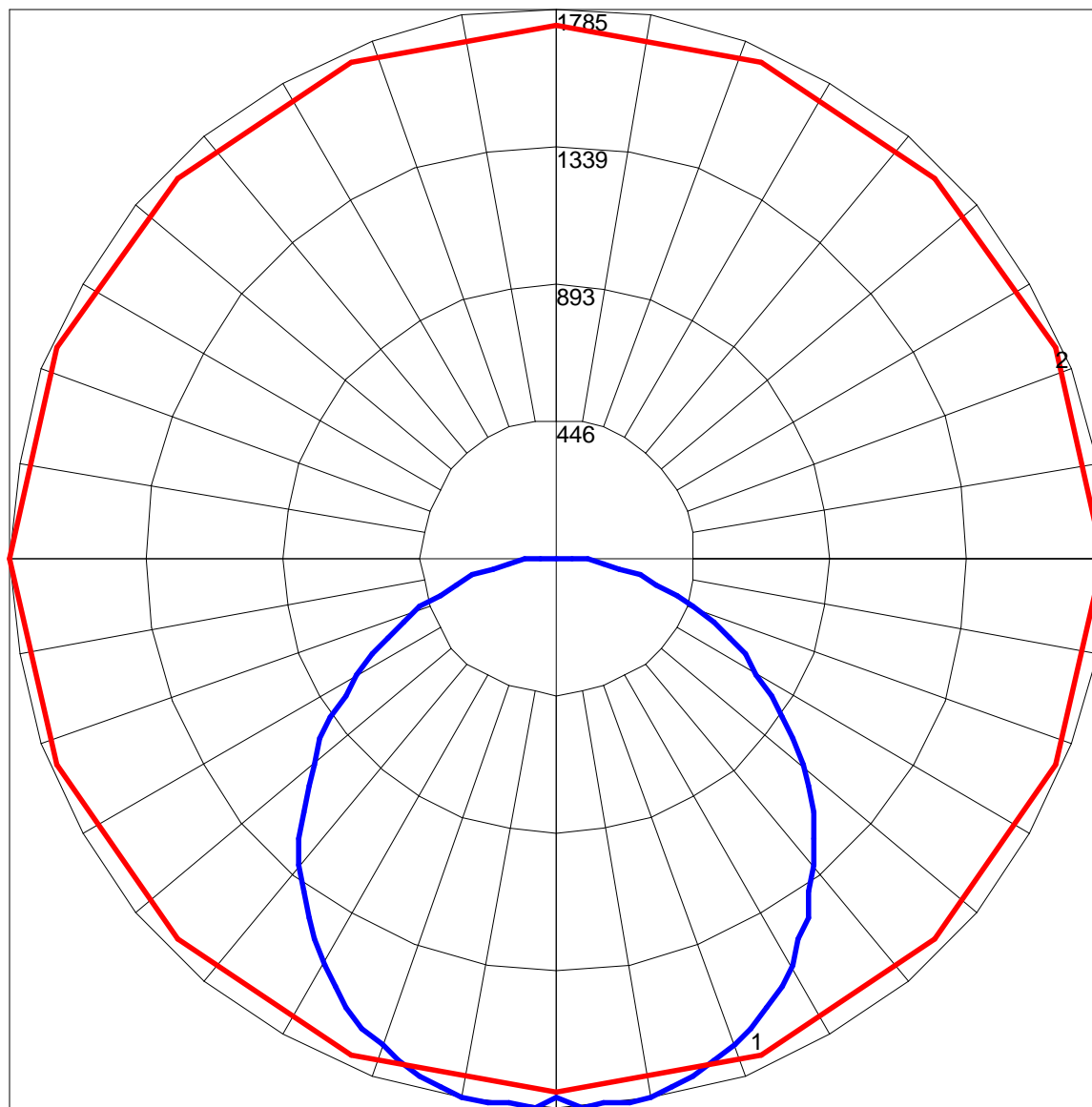
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-60L-40.IES

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	79	75	70	76	72	69	67
3	88	77	68	61	86	75	67	61	72	65	60	69	63	59	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
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	32	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	21

POLAR GRAPH



Maximum Candela = 1785 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.)