



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-65L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8943
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 05/25/17
[TESTDATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-65L-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	6547
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	51
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	4836	5714	6410
55	4570	5836	6918
65	4256	5942	7386
75	3812	5994	7520
85	3455	5645	5059

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-65L-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	1902	1902	1902	1902	1902
2.5	1940	1918	1903	1890	1880
5.0	1940	1918	1904	1892	1882
7.5	1934	1913	1903	1893	1885
10.0	1923	1905	1899	1894	1887
12.5	1908	1893	1892	1894	1889
15.0	1888	1876	1884	1892	1891
17.5	1863	1855	1872	1889	1891
20.0	1833	1831	1857	1884	1890
22.5	1797	1802	1839	1878	1886
25.0	1756	1767	1818	1867	1880
27.5	1708	1727	1793	1855	1871
30.0	1657	1683	1765	1838	1858
32.5	1599	1635	1731	1816	1840
35.0	1540	1584	1694	1792	1820
37.5	1477	1528	1652	1763	1794
40.0	1411	1469	1607	1729	1764
42.5	1343	1407	1557	1690	1729
45.0	1272	1341	1503	1644	1686
47.5	1200	1271	1443	1597	1641
50.0	1123	1202	1381	1544	1592
52.5	1050	1125	1315	1486	1537
55.0	975	1049	1245	1422	1476
57.5	896	973	1172	1353	1409
60.0	820	895	1095	1279	1335
62.5	745	816	1015	1198	1252
65.0	669	737	934	1110	1161
67.5	592	657	848	1018	1066
70.0	517	575	759	921	962
72.5	439	494	670	817	848
75.0	367	417	577	704	724
77.5	294	341	484	579	590
80.0	229	269	386	447	442
82.5	168	201	288	311	294
85.0	112	137	183	178	164
87.5	60	72	81	69	62
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-65L-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	714.96	N.A.	10.90
0-30	1553.55	N.A.	23.70
0-40	2609.61	N.A.	39.90
0-60	4864.21	N.A.	74.30
0-80	6365.84	N.A.	97.20
0-90	6547.34	N.A.	100.00
10-90	6365.58	N.A.	97.20
20-40	1894.65	N.A.	28.90
20-50	3045.54	N.A.	46.50
40-70	3167.28	N.A.	48.40
60-80	1501.63	N.A.	22.90
70-80	588.94	N.A.	9.00
80-90	181.51	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	6547.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	181.76
10-20	533.20
20-30	838.59
30-40	1056.06
40-50	1150.89
50-60	1103.71
60-70	912.69
70-80	588.94
80-90	181.51
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

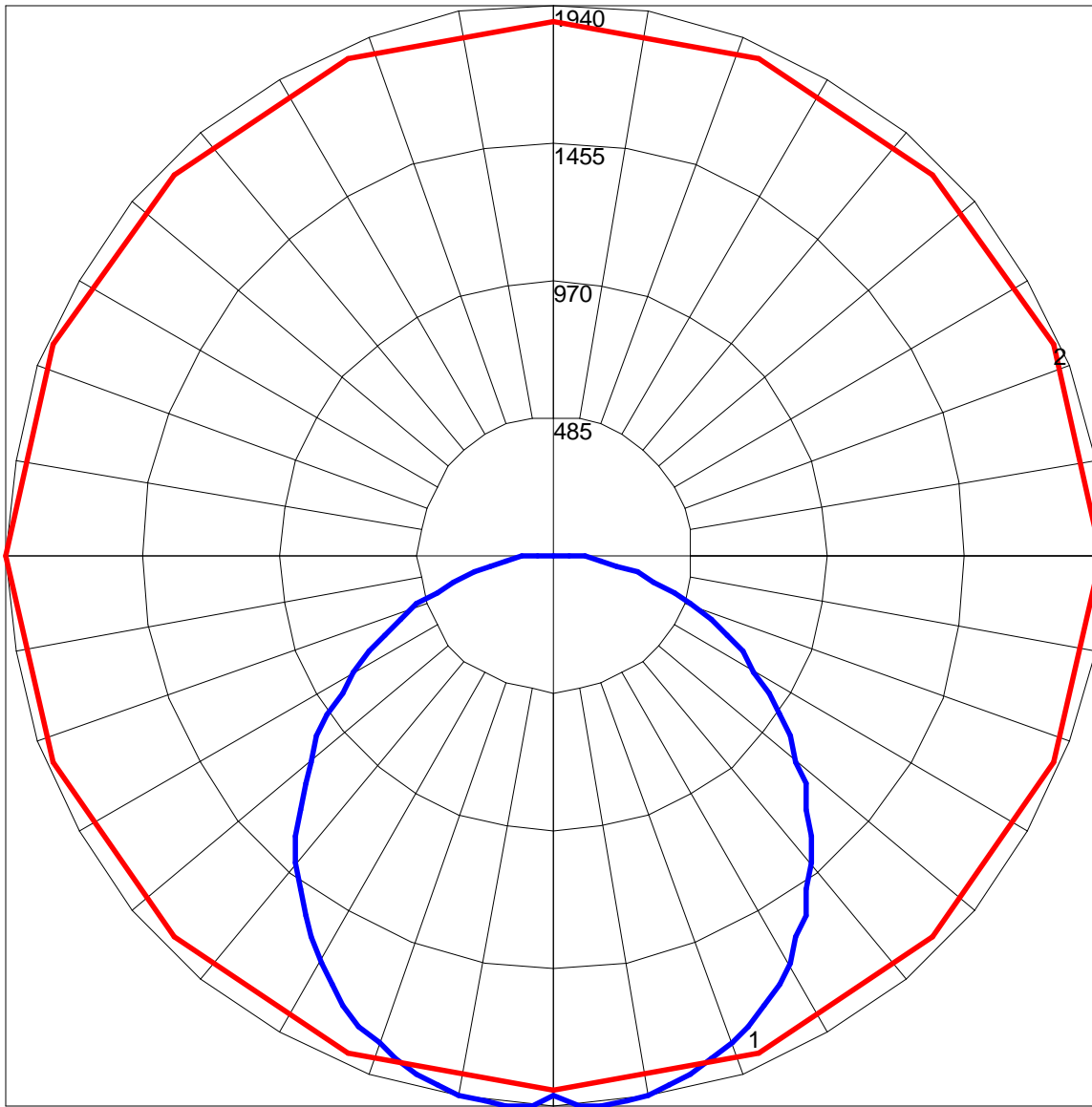
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-65L-40.IES

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	50	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 = 1940 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.)