



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-60L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8821
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]04/25/17
[TEST DATE]04/25/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-LED-60L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6016
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	48.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.98 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4434	5230	5983
55	4030	5275	6509
65	3625	5333	7243
75	3044	5526	8571
85	2331	5670	8410

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1802	1802	1802	1802	1802
2.5	1829	1820	1801	1786	1782
5.0	1827	1819	1801	1788	1785
7.5	1822	1814	1800	1790	1787
10.0	1808	1804	1793	1786	1784
12.5	1792	1790	1785	1784	1784
15.0	1773	1772	1774	1780	1782
17.5	1747	1749	1759	1771	1777
20.0	1713	1721	1740	1761	1769
22.5	1678	1688	1718	1748	1760
25.0	1635	1651	1692	1734	1749
27.5	1587	1609	1663	1714	1735
30.0	1535	1563	1629	1693	1718
32.5	1477	1511	1591	1667	1698
35.0	1415	1454	1549	1638	1673
37.5	1348	1395	1502	1604	1644
40.0	1283	1333	1454	1569	1612
42.5	1214	1270	1402	1530	1579
45.0	1142	1200	1347	1487	1541
47.5	1066	1130	1290	1444	1501
50.0	992	1060	1228	1395	1458
52.5	915	985	1166	1343	1411
55.0	842	912	1102	1288	1360
57.5	769	840	1034	1231	1306
60.0	696	767	965	1168	1243
62.5	626	695	895	1103	1181
65.0	558	621	821	1034	1115
67.5	487	549	747	962	1046
70.0	416	477	670	889	973
72.5	352	406	594	813	896
75.0	287	339	521	728	808
77.5	228	275	443	631	711
80.0	173	215	362	530	585
82.5	122	157	274	399	437
85.0	74	97	180	250	267
87.5	33	40	78	105	110
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	673.63	N.A.	11.20
0-30	1453.94	N.A.	24.20
0-40	2421.39	N.A.	40.20
0-60	4442.75	N.A.	73.80
0-80	5822.7	N.A.	96.80
0-90	6016.17	N.A.	100.00
10-90	5844.26	N.A.	97.10
20-40	1747.76	N.A.	29.10
20-50	2784.95	N.A.	46.30
40-70	2840.55	N.A.	47.20
60-80	1379.95	N.A.	22.90
70-80	560.77	N.A.	9.30
80-90	193.47	N.A.	3.20
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	6016.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	171.91
10-20	501.72
20-30	780.32
30-40	967.45
40-50	1037.19
50-60	984.17
60-70	819.19
70-80	560.77
80-90	193.47
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

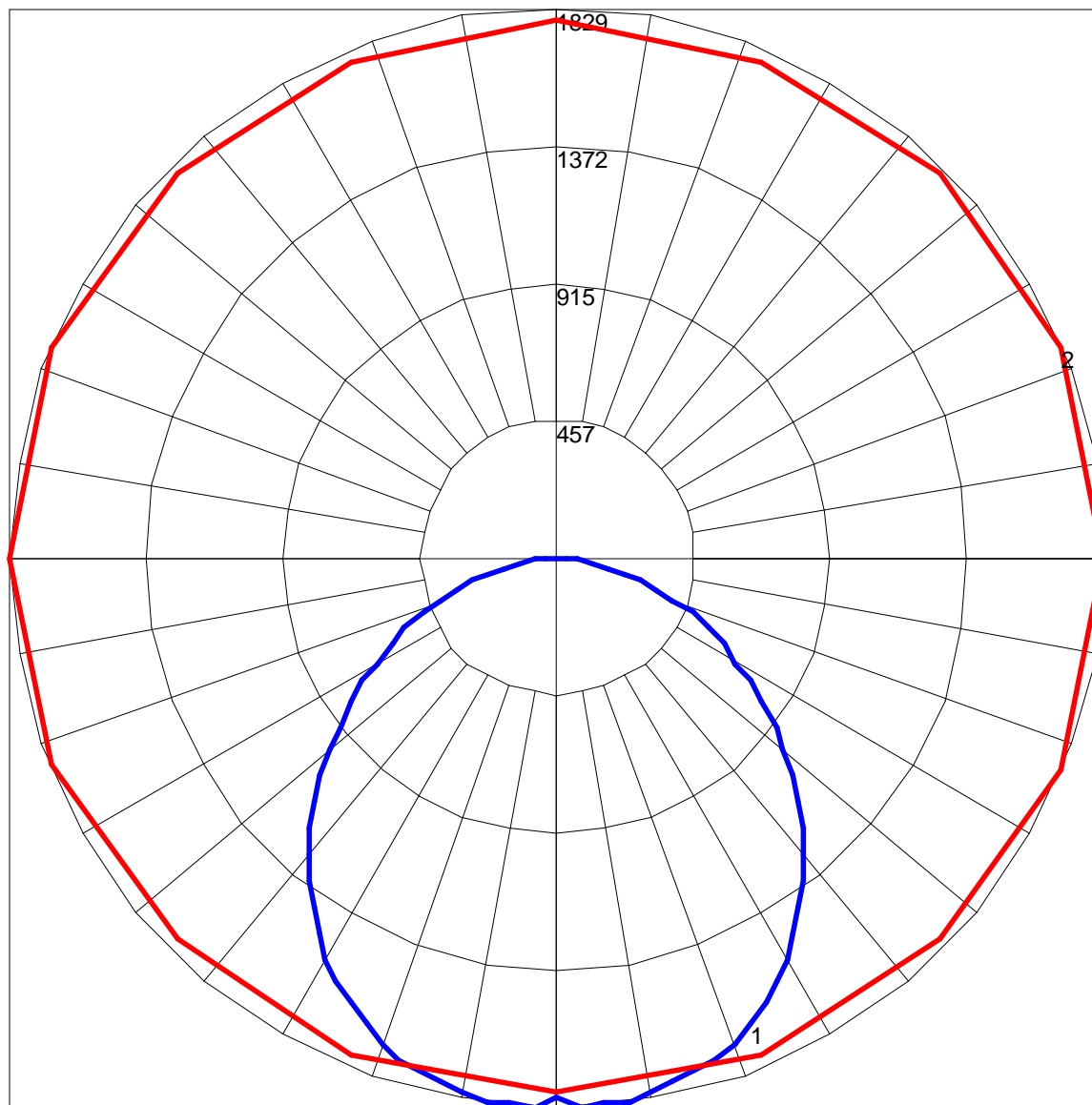
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	81	75	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	86	75	67	61	72	65	59	69	63	58	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	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	38	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1829 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.)