



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC24-LED-60L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-8903

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]05/16/17

[TEST DATE]05/16/17

[MANUFACTURER]LSI INDUSTRIES, INC

[LUMEN CATEGORY]LPEC24-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	6059
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	46.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	2152	2593	2951
55	2032	2686	3259
65	1867	2790	3683
75	1674	3034	4398
85	1465	3600	5097

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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	1687	1687	1687	1687	1687
2.5	1721	1702	1689	1675	1665
5.0	1721	1701	1689	1677	1667
7.5	1716	1698	1689	1679	1671
10.0	1707	1691	1686	1681	1673
12.5	1692	1680	1681	1682	1677
15.0	1674	1665	1673	1681	1679
17.5	1651	1647	1664	1680	1681
20.0	1624	1624	1652	1677	1681
22.5	1592	1598	1636	1672	1679
25.0	1556	1569	1619	1665	1676
27.5	1514	1534	1598	1654	1670
30.0	1468	1496	1573	1641	1660
32.5	1420	1453	1545	1627	1649
35.0	1364	1407	1512	1607	1633
37.5	1307	1354	1477	1584	1614
40.0	1248	1302	1437	1557	1592
42.5	1183	1245	1395	1528	1566
45.0	1120	1188	1350	1493	1536
47.5	1057	1127	1301	1456	1502
50.0	990	1065	1248	1413	1463
52.5	925	1000	1192	1367	1421
55.0	858	934	1134	1318	1376
57.5	791	866	1071	1264	1325
60.0	719	797	1008	1207	1270
62.5	651	725	938	1145	1209
65.0	581	654	868	1079	1146
67.5	513	584	797	1010	1075
70.0	447	514	725	936	1001
72.5	382	446	651	861	926
75.0	319	378	578	778	838
77.5	257	312	500	685	742
80.0	195	249	415	586	635
82.5	143	190	329	467	502
85.0	94	129	231	312	327
87.5	49	71	115	125	107
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	634.78	N.A.	10.50
0-30	1380.85	N.A.	22.80
0-40	2323.57	N.A.	38.30
0-60	4363.14	N.A.	72.00
0-80	5827.33	N.A.	96.20
0-90	6059.47	N.A.	100.00
10-90	5898.22	N.A.	97.30
20-40	1688.79	N.A.	27.90
20-50	2722.57	N.A.	44.90
40-70	2896.45	N.A.	47.80
60-80	1464.19	N.A.	24.20
70-80	607.31	N.A.	10.00
80-90	232.14	N.A.	3.80
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	6059.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	161.25
10-20	473.53
20-30	746.07
30-40	942.72
40-50	1033.77
50-60	1005.79
60-70	856.88
70-80	607.31
80-90	232.14
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

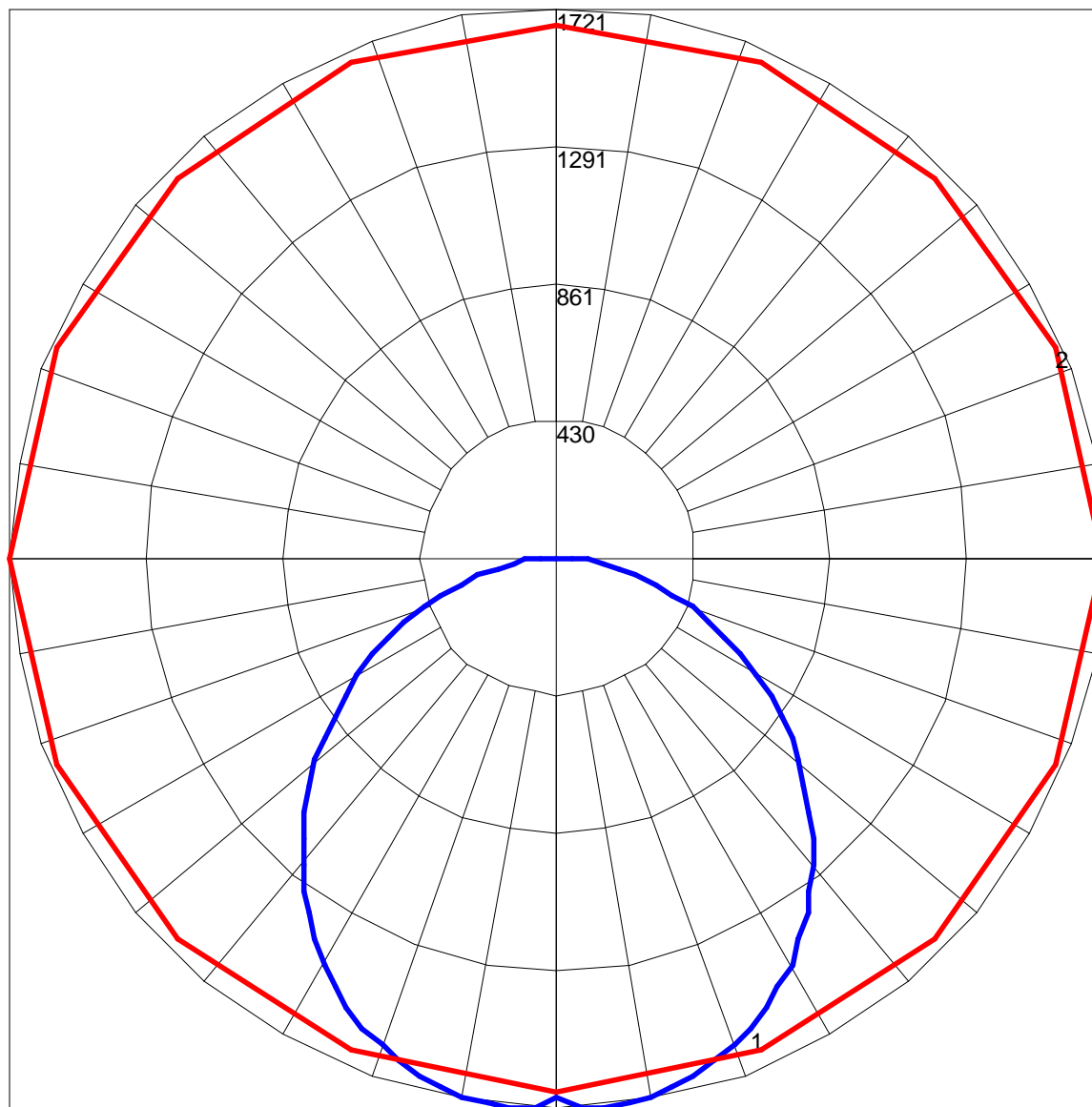
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	31	43	36	31	29
8	58	44	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	31	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1721 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.)