



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-55L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8913_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-55L-50
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5972
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	42
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	2122	2554	2909
55	1996	2644	3209
65	1842	2753	3633
75	1654	2987	4372
85	1443	3499	4512

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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	1662.106	1662.106	1662.106	1662.106	1662.106
2.5	1695.585	1675.891	1664.075	1648.321	1638.474
5.0	1693.615	1675.891	1664.075	1654.229	1644.382
7.5	1689.677	1673.922	1664.075	1654.229	1644.382
10.0	1677.861	1664.075	1660.137	1654.229	1646.352
12.5	1666.045	1652.260	1654.229	1652.260	1650.290
15.0	1648.321	1640.444	1646.352	1656.198	1654.229
17.5	1622.720	1618.781	1636.505	1654.229	1656.198
20.0	1601.057	1601.057	1626.658	1652.260	1658.167
22.5	1567.579	1575.456	1612.873	1648.321	1656.198
25.0	1532.131	1543.947	1595.149	1640.444	1652.260
27.5	1486.837	1508.499	1573.487	1628.628	1644.382
30.0	1443.512	1471.082	1547.886	1616.812	1636.505
32.5	1396.248	1427.757	1520.315	1601.057	1622.720
35.0	1345.046	1382.463	1488.806	1583.333	1606.965
37.5	1287.935	1335.199	1457.297	1563.640	1593.180
40.0	1230.825	1283.997	1415.941	1534.100	1569.548
42.5	1173.715	1230.825	1378.524	1508.499	1545.916
45.0	1104.789	1171.745	1329.291	1473.051	1514.407
47.5	1039.801	1108.727	1280.058	1435.634	1480.929
50.0	978.752	1049.648	1230.825	1396.248	1445.481
52.5	911.795	986.629	1175.684	1350.954	1408.064
55.0	842.869	917.703	1116.604	1299.751	1354.892
57.5	777.881	854.685	1057.525	1248.549	1307.629
60.0	712.894	787.728	994.507	1191.439	1252.488
62.5	645.937	716.833	927.550	1130.390	1193.408
65.0	573.072	645.937	856.654	1065.402	1130.390
67.5	508.085	575.041	785.759	996.476	1061.464
70.0	441.128	506.115	714.863	927.550	994.507
72.5	378.109	439.158	641.998	852.716	915.734
75.0	315.091	374.171	569.133	768.035	833.022
77.5	252.073	307.214	490.361	675.477	726.679
80.0	196.932	246.165	409.619	571.103	614.428
82.5	143.760	185.116	320.999	447.036	470.667
85.0	92.558	128.006	224.502	289.490	289.490
87.5	49.233	66.957	106.343	145.730	149.668
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	624.92	N.A.	10.50
0-30	1359.7	N.A.	22.80
0-40	2288.23	N.A.	38.30
0-60	4300.18	N.A.	72.00
0-80	5745.41	N.A.	96.20
0-90	5971.83	N.A.	100.00
10-90	5813.01	N.A.	97.30
20-40	1663.32	N.A.	27.90
20-50	2682.98	N.A.	44.90
40-70	2858.14	N.A.	47.90
60-80	1445.23	N.A.	24.20
70-80	599.05	N.A.	10.00
80-90	226.41	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	5971.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	158.82
10-20	466.09
20-30	734.79
30-40	928.53
40-50	1019.66
50-60	992.29
60-70	846.19
70-80	599.05
80-90	226.41
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

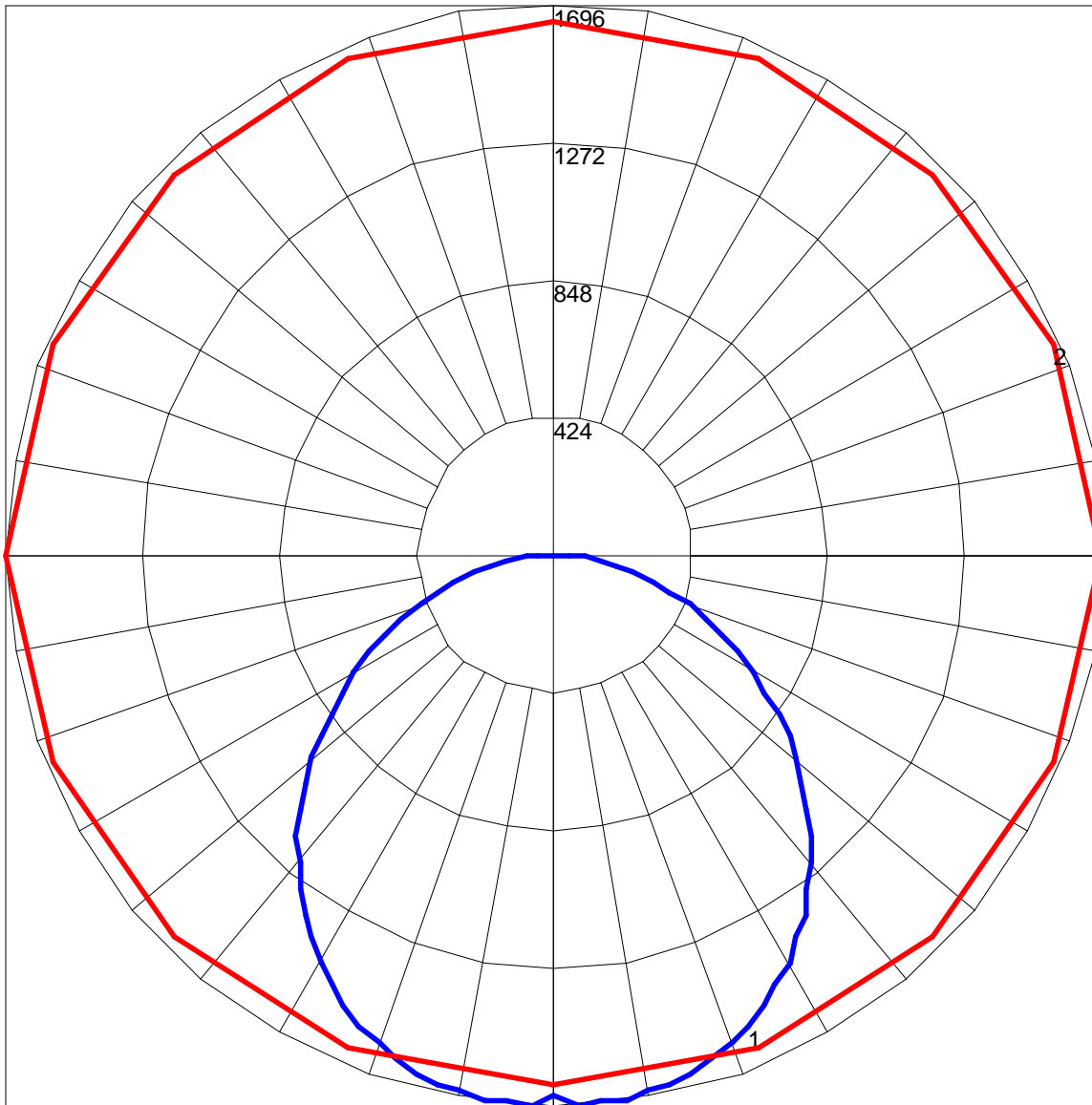
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	43	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	37	32	44	37	31	43	36	31	29
8	58	43	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	30	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 = 1695.585 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.)