



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-55L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/11/17
[TEST DATE]04/28/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-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 SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5944
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	43.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
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	4613	5162	5610
55	4279	5135	5825
65	3972	5227	5995
75	3640	5200	5047
85	3361	4724	5269

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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	1875.940	1875.940	1875.940	1875.940	1875.940
2.5	1923.059	1893.609	1878.885	1861.215	1852.380
5.0	1917.169	1890.664	1878.885	1861.215	1846.490
7.5	1908.334	1884.774	1872.995	1858.270	1849.435
10.0	1908.334	1878.885	1870.050	1858.270	1846.490
12.5	1887.719	1861.215	1858.270	1849.435	1840.600
15.0	1867.105	1843.545	1846.490	1846.490	1834.710
17.5	1843.545	1822.930	1825.875	1831.765	1825.875
20.0	1805.261	1790.536	1799.371	1811.150	1808.206
22.5	1766.976	1758.141	1772.866	1793.481	1790.536
25.0	1728.692	1719.857	1746.361	1769.921	1769.921
27.5	1675.682	1675.682	1711.022	1743.416	1749.306
30.0	1619.728	1631.508	1672.737	1713.967	1722.802
32.5	1557.884	1572.609	1628.563	1678.627	1687.462
35.0	1498.985	1519.599	1584.389	1646.233	1658.013
37.5	1428.306	1454.810	1531.379	1602.058	1616.783
40.0	1363.517	1392.966	1481.315	1557.884	1575.554
42.5	1284.003	1319.342	1419.471	1501.930	1525.489
45.0	1213.324	1248.663	1357.627	1451.865	1475.425
47.5	1136.755	1183.874	1298.727	1401.801	1428.306
50.0	1060.186	1110.250	1230.993	1339.957	1363.517
52.5	986.562	1039.571	1169.149	1275.168	1307.562
55.0	912.938	965.947	1095.525	1210.379	1242.773
57.5	839.314	898.213	1033.681	1145.589	1177.984
60.0	768.635	827.534	960.057	1071.965	1107.305
62.5	692.066	750.965	889.378	998.341	1024.846
65.0	624.332	680.286	821.644	924.717	942.387
67.5	547.763	603.717	745.075	824.589	833.424
70.0	477.084	541.873	668.506	721.515	712.680
72.5	415.239	480.028	588.992	615.497	600.772
75.0	350.450	415.239	500.643	497.698	485.918
77.5	288.606	356.340	409.349	397.570	379.900
80.0	223.817	282.716	312.166	300.386	294.496
82.5	161.973	214.982	229.707	226.762	226.762
85.0	108.964	144.303	153.138	161.973	170.808
87.5	55.954	73.624	73.624	79.514	82.459
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	700.38	N.A.	11.80
0-30	1505.16	N.A.	25.30
0-40	2493.65	N.A.	42.00
0-60	4511.13	N.A.	75.90
0-80	5784.55	N.A.	97.30
0-90	5943.63	N.A.	100.00
10-90	5764.63	N.A.	97.00
20-40	1793.27	N.A.	30.20
20-50	2836.76	N.A.	47.70
40-70	2805.44	N.A.	47.20
60-80	1273.42	N.A.	21.40
70-80	485.46	N.A.	8.20
80-90	159.08	N.A.	2.70
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	5943.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	179.00
10-20	521.38
20-30	804.78
30-40	988.48
40-50	1043.49
50-60	974.00
60-70	787.95
70-80	485.46
80-90	159.08
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

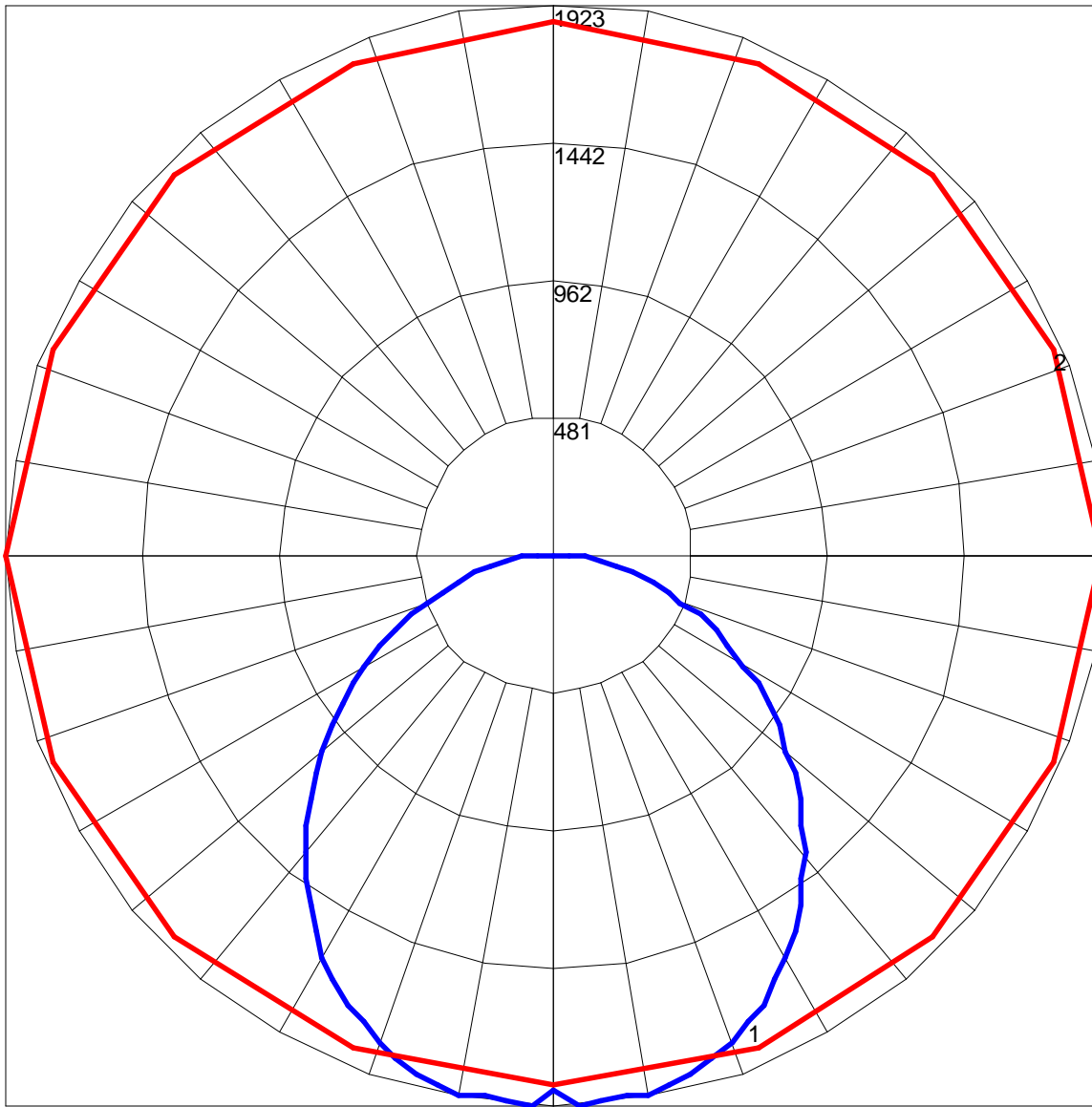
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 1923.059 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.)