



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-70L-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-70L-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	7544
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	56.6
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	5855	6551	7120
55	5431	6517	7393
65	5041	6634	7609
75	4620	6600	6406
85	4266	5996	6687

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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	2380.991	2380.991	2380.991	2380.991	2380.991
2.5	2440.796	2403.418	2384.729	2362.302	2351.089
5.0	2433.321	2399.680	2384.729	2362.302	2343.613
7.5	2422.107	2392.205	2377.253	2358.564	2347.351
10.0	2422.107	2384.729	2373.516	2358.564	2343.613
12.5	2395.943	2362.302	2358.564	2347.351	2336.137
15.0	2369.778	2339.875	2343.613	2343.613	2328.662
17.5	2339.875	2313.711	2317.448	2324.924	2317.448
20.0	2291.284	2272.595	2283.808	2298.759	2295.021
22.5	2242.692	2231.478	2250.168	2276.332	2272.595
25.0	2194.100	2182.887	2216.527	2246.430	2246.430
27.5	2126.820	2126.820	2171.673	2212.789	2220.265
30.0	2055.801	2070.752	2123.082	2175.411	2186.625
32.5	1977.307	1995.996	2067.014	2130.557	2141.771
35.0	1902.550	1928.715	2010.947	2089.441	2104.393
37.5	1812.843	1846.483	1943.666	2033.374	2052.063
40.0	1730.611	1767.989	1880.123	1977.307	1999.734
42.5	1629.689	1674.543	1801.629	1906.288	1936.191
45.0	1539.982	1584.836	1723.135	1842.745	1872.648
47.5	1442.798	1502.604	1648.379	1779.202	1812.843
50.0	1345.615	1409.158	1562.409	1700.708	1730.611
52.5	1252.170	1319.450	1483.915	1618.476	1659.592
55.0	1158.724	1226.005	1390.469	1536.244	1577.360
57.5	1065.279	1140.035	1311.975	1454.012	1495.128
60.0	975.571	1050.327	1218.529	1360.566	1405.420
62.5	878.388	953.144	1128.822	1267.121	1300.761
65.0	792.418	863.436	1042.852	1173.675	1196.102
67.5	695.235	766.253	945.668	1046.590	1057.803
70.0	605.527	687.759	848.485	915.766	904.552
72.5	527.033	609.265	747.564	781.204	762.515
75.0	444.801	527.033	635.429	631.692	616.740
77.5	366.306	452.276	519.557	504.606	482.179
80.0	284.074	358.831	396.209	381.258	373.782
82.5	205.580	272.861	291.550	287.812	287.812
85.0	138.299	183.153	194.367	205.580	216.794
87.5	71.019	93.445	93.445	100.921	104.659
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	888.94	N.A.	11.80
0-30	1910.39	N.A.	25.30
0-40	3165.00	N.A.	42.00
0-60	5725.65	N.A.	75.90
0-80	7341.9	N.A.	97.30
0-90	7543.81	N.A.	100.00
10-90	7316.62	N.A.	97.00
20-40	2276.06	N.A.	30.20
20-50	3600.48	N.A.	47.70
40-70	3560.74	N.A.	47.20
60-80	1616.25	N.A.	21.40
70-80	616.16	N.A.	8.20
80-90	201.91	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	7543.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	227.19
10-20	661.75
20-30	1021.45
30-40	1254.61
40-50	1324.42
50-60	1236.22
60-70	1000.09
70-80	616.16
80-90	201.91
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

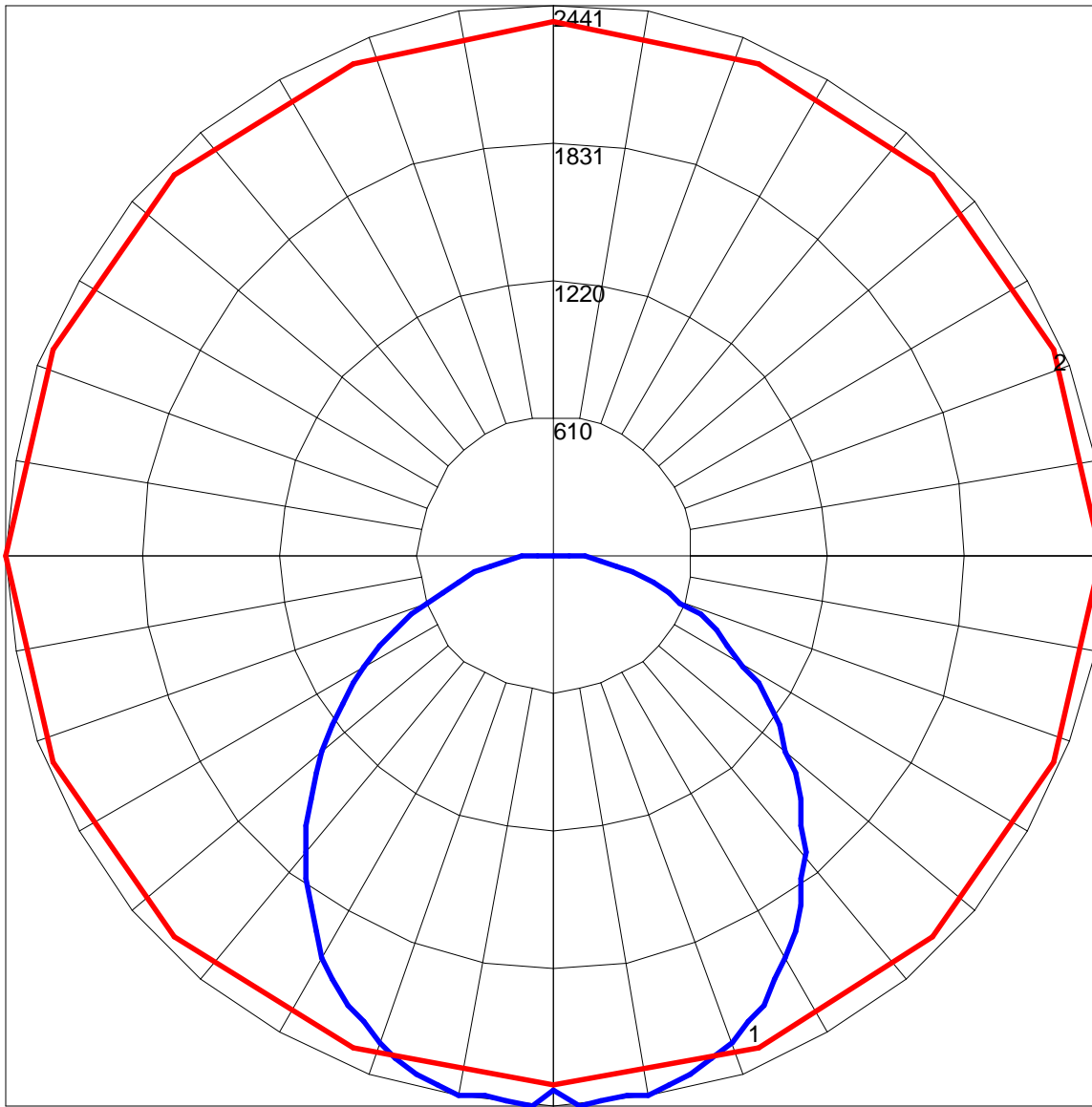
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2440.796 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.)