



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-80L-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-80L-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	8308
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	63.4
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	6448	7215	7841
55	5981	7178	8142
65	5552	7306	8380
75	5088	7269	7055
85	4698	6603	7365

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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	2622.179	2622.179	2622.179	2622.179	2622.179
2.5	2688.042	2646.877	2626.295	2601.596	2589.247
5.0	2679.809	2642.761	2626.295	2601.596	2581.014
7.5	2667.459	2634.528	2618.062	2597.480	2585.130
10.0	2667.459	2626.295	2613.946	2597.480	2581.014
12.5	2638.644	2601.596	2597.480	2585.130	2572.781
15.0	2609.829	2576.898	2581.014	2581.014	2564.548
17.5	2576.898	2548.082	2552.199	2560.432	2552.199
20.0	2523.384	2502.801	2515.151	2531.617	2527.500
22.5	2469.870	2457.521	2478.103	2506.918	2502.801
25.0	2416.356	2404.007	2441.055	2473.986	2473.986
27.5	2342.260	2342.260	2391.657	2436.938	2445.171
30.0	2264.047	2280.513	2338.144	2395.774	2408.123
32.5	2177.602	2198.184	2276.397	2346.376	2358.726
35.0	2095.273	2124.088	2214.650	2301.095	2317.561
37.5	1996.478	2033.526	2140.554	2239.349	2259.931
40.0	1905.916	1947.081	2070.574	2177.602	2202.301
42.5	1794.772	1844.170	1984.129	2099.389	2132.321
45.0	1695.977	1745.375	1897.683	2029.410	2062.341
47.5	1588.950	1654.813	1815.354	1959.430	1996.478
50.0	1481.922	1551.902	1720.676	1872.985	1905.916
52.5	1379.011	1453.107	1634.231	1782.423	1827.704
55.0	1276.099	1350.196	1531.319	1691.861	1737.142
57.5	1173.188	1255.517	1444.874	1601.299	1646.580
60.0	1074.393	1156.722	1341.963	1498.388	1547.785
62.5	967.366	1049.695	1243.168	1395.476	1432.525
65.0	872.687	950.900	1148.490	1292.565	1317.264
67.5	765.660	843.872	1041.462	1152.606	1164.955
70.0	666.865	757.427	934.434	1008.530	996.181
72.5	580.419	670.981	823.290	860.338	839.756
75.0	489.858	580.419	699.796	695.680	679.214
77.5	403.412	498.090	572.187	555.721	531.022
80.0	312.850	395.179	436.344	419.878	411.645
82.5	226.405	300.501	321.083	316.967	316.967
85.0	152.309	201.706	214.055	226.405	238.754
87.5	78.213	102.911	102.911	111.144	115.261
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	978.99	N.A.	11.80
0-30	2103.91	N.A.	25.30
0-40	3485.61	N.A.	42.00
0-60	6305.64	N.A.	75.90
0-80	8085.61	N.A.	97.30
0-90	8307.98	N.A.	100.00
10-90	8057.78	N.A.	97.00
20-40	2506.62	N.A.	30.20
20-50	3965.2	N.A.	47.70
40-70	3921.43	N.A.	47.20
60-80	1779.98	N.A.	21.40
70-80	678.58	N.A.	8.20
80-90	222.36	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	8307.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	250.20
10-20	728.79
20-30	1124.92
30-40	1381.7
40-50	1458.58
50-60	1361.45
60-70	1101.4
70-80	678.58
80-90	222.36
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

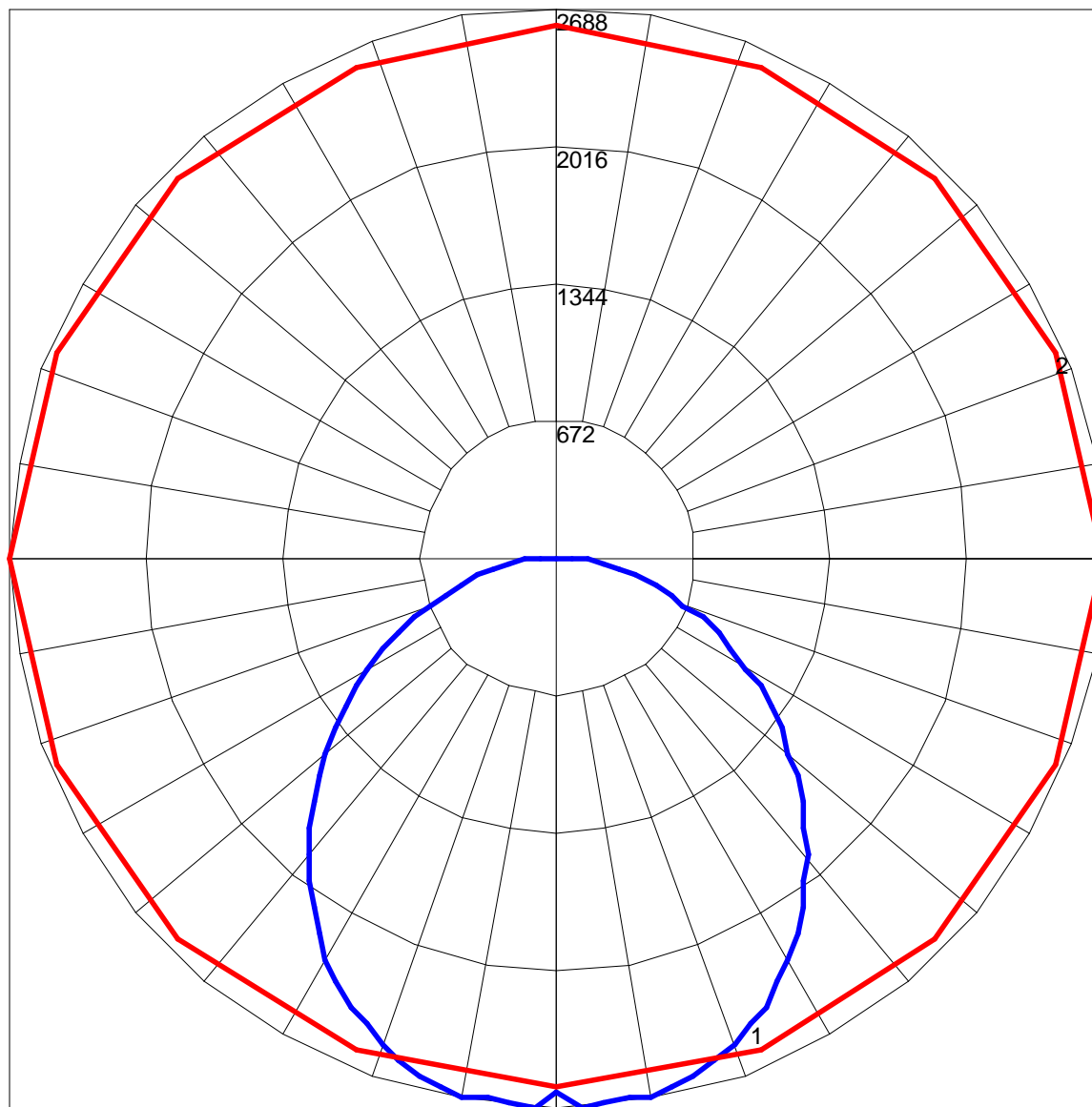
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2688.042 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.)