



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-75L-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-75L-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	8053
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	60.8
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	6250	6994	7600
55	5798	6957	7892
65	5381	7082	8122
75	4932	7046	6839
85	4554	6400	7139

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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	2541.656	2541.656	2541.656	2541.656	2541.656
2.5	2605.496	2565.596	2545.646	2521.705	2509.735
5.0	2597.516	2561.606	2545.646	2521.705	2501.755
7.5	2585.546	2553.626	2537.665	2517.715	2505.745
10.0	2585.546	2545.646	2533.675	2517.715	2501.755
12.5	2557.616	2521.705	2517.715	2505.745	2493.775
15.0	2529.685	2497.765	2501.755	2501.755	2485.795
17.5	2497.765	2469.835	2473.825	2481.805	2473.825
20.0	2445.895	2425.944	2437.914	2453.875	2449.885
22.5	2394.024	2382.054	2402.004	2429.934	2425.944
25.0	2342.154	2330.183	2366.094	2398.014	2398.014
27.5	2270.333	2270.333	2318.213	2362.104	2370.084
30.0	2194.522	2210.482	2266.343	2322.203	2334.173
32.5	2110.731	2130.681	2206.492	2274.323	2286.293
35.0	2030.930	2058.861	2146.642	2230.432	2246.393
37.5	1935.169	1971.080	2074.821	2170.582	2190.532
40.0	1847.389	1887.289	2006.990	2110.731	2134.671
42.5	1739.657	1787.538	1923.199	2034.920	2066.841
45.0	1643.897	1691.777	1839.408	1967.090	1999.010
47.5	1540.155	1603.996	1759.608	1899.259	1935.169
50.0	1436.414	1504.245	1667.837	1815.468	1847.389
52.5	1336.663	1408.484	1584.046	1727.687	1771.578
55.0	1236.912	1308.733	1484.295	1639.906	1683.797
57.5	1137.161	1216.962	1400.504	1552.126	1596.016
60.0	1041.400	1121.201	1300.753	1452.375	1500.255
62.5	937.659	1017.460	1204.992	1352.624	1388.534
65.0	845.888	921.699	1113.221	1252.873	1276.813
67.5	742.147	817.958	1009.480	1117.211	1129.181
70.0	646.386	734.167	905.739	977.560	965.590
72.5	562.596	650.377	798.008	833.918	813.968
75.0	474.815	562.596	678.307	674.317	658.357
77.5	391.024	482.795	554.616	538.655	514.715
80.0	303.243	383.044	422.944	406.984	399.004
82.5	219.452	291.273	311.223	307.233	307.233
85.0	147.631	195.512	207.482	219.452	231.422
87.5	75.811	99.751	99.751	107.731	111.721
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	948.92	N.A.	11.80
0-30	2039.3	N.A.	25.30
0-40	3378.57	N.A.	42.00
0-60	6112.00	N.A.	75.90
0-80	7837.32	N.A.	97.30
0-90	8052.85	N.A.	100.00
10-90	7810.33	N.A.	97.00
20-40	2429.64	N.A.	30.20
20-50	3843.44	N.A.	47.70
40-70	3801.01	N.A.	47.20
60-80	1725.32	N.A.	21.40
70-80	657.74	N.A.	8.20
80-90	215.53	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	8052.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	242.52
10-20	706.41
20-30	1090.38
30-40	1339.27
40-50	1413.79
50-60	1319.64
60-70	1067.57
70-80	657.74
80-90	215.53
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

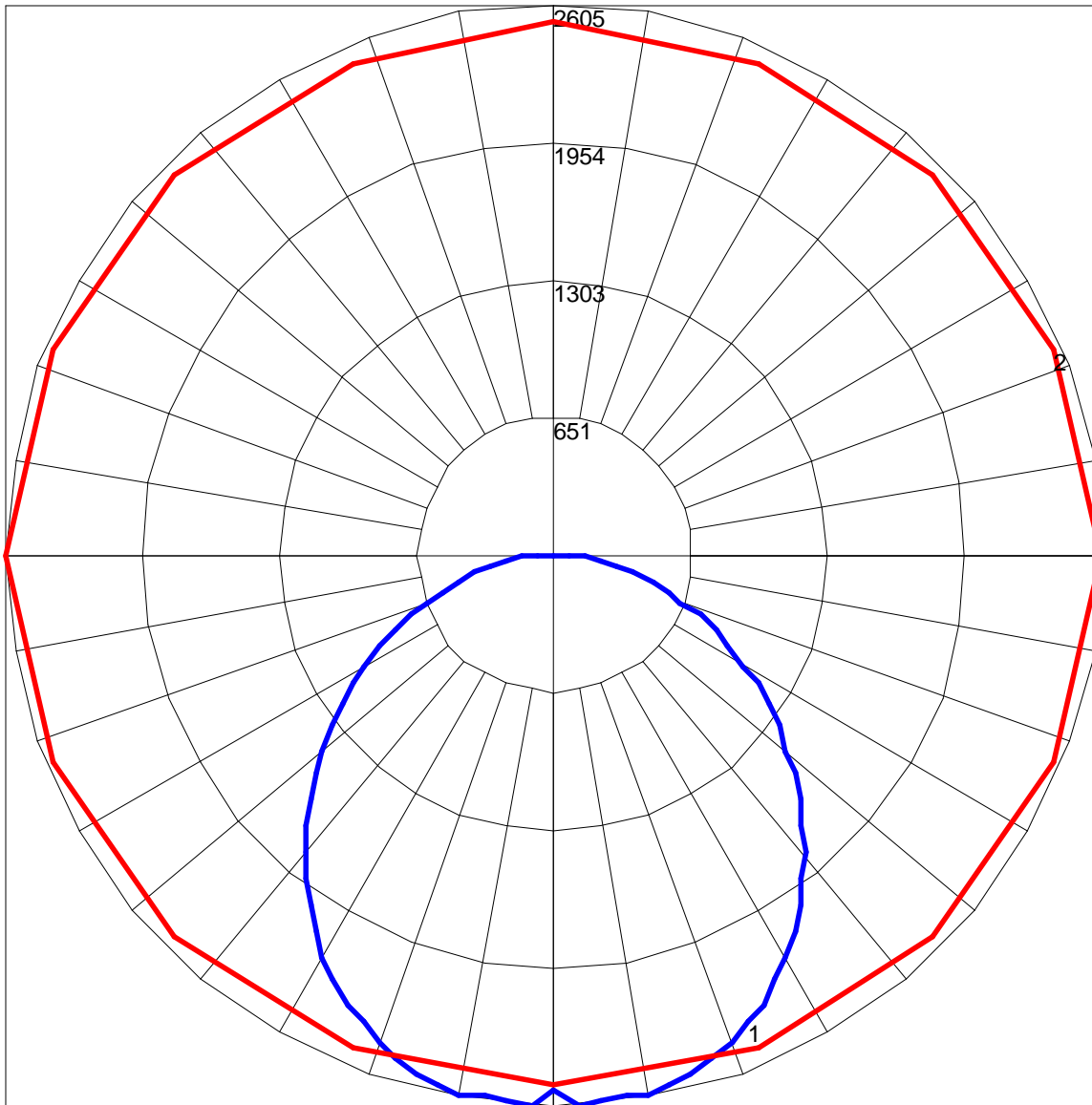
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2605.496 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.)