



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC14-LED-60L-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-60L-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	6410
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	47.3
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	4975	5567	6050
55	4615	5538	6282
65	4283	5637	6465
75	3926	5608	5443
85	3625	5094	5682

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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	2023.036	2023.036	2023.036	2023.036	2023.036
2.5	2073.850	2042.091	2026.211	2007.156	1997.628
5.0	2067.498	2038.915	2026.211	2007.156	1991.277
7.5	2057.970	2032.563	2019.860	2003.980	1994.453
10.0	2057.970	2026.211	2016.684	2003.980	1991.277
12.5	2035.739	2007.156	2003.980	1994.453	1984.925
15.0	2013.508	1988.101	1991.277	1991.277	1978.573
17.5	1988.101	1965.870	1969.046	1975.397	1969.046
20.0	1946.814	1930.935	1940.463	1953.166	1949.990
22.5	1905.528	1896.000	1911.880	1934.111	1930.935
25.0	1864.242	1854.714	1883.297	1908.704	1908.704
27.5	1807.076	1807.076	1845.186	1880.121	1886.473
30.0	1746.734	1759.437	1803.900	1848.362	1857.890
32.5	1680.040	1695.920	1756.262	1810.252	1819.779
35.0	1616.523	1638.754	1708.623	1775.317	1788.020
37.5	1540.302	1568.885	1651.458	1727.679	1743.558
40.0	1470.432	1502.191	1597.468	1680.040	1699.096
42.5	1384.684	1422.794	1530.774	1619.699	1645.106
45.0	1308.463	1346.573	1464.081	1565.709	1591.116
47.5	1225.890	1276.704	1400.563	1511.719	1540.302
50.0	1143.317	1197.307	1327.518	1445.025	1470.432
52.5	1063.920	1121.086	1260.824	1375.156	1410.091
55.0	984.523	1041.689	1181.427	1305.287	1340.221
57.5	905.126	968.643	1114.734	1235.417	1270.352
60.0	828.905	892.422	1035.337	1156.020	1194.131
62.5	746.332	809.849	959.116	1076.623	1105.206
65.0	673.287	733.628	886.071	997.226	1016.282
67.5	590.714	651.055	803.498	889.246	898.774
70.0	514.493	584.362	720.925	778.091	768.563
72.5	447.799	517.668	635.176	663.759	647.880
75.0	377.930	447.799	539.900	536.724	524.020
77.5	311.236	384.281	441.447	428.744	409.689
80.0	241.367	304.884	336.643	323.940	317.588
82.5	174.673	231.839	247.719	244.543	244.543
85.0	117.508	155.618	165.146	174.673	184.201
87.5	60.342	79.397	79.397	85.749	88.925
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	755.30	N.A.	11.80
0-30	1623.19	N.A.	25.30
0-40	2689.18	N.A.	42.00
0-60	4864.86	N.A.	75.90
0-80	6238.13	N.A.	97.30
0-90	6409.68	N.A.	100.00
10-90	6216.65	N.A.	97.00
20-40	1933.88	N.A.	30.20
20-50	3059.19	N.A.	47.70
40-70	3025.42	N.A.	47.20
60-80	1373.27	N.A.	21.40
70-80	523.53	N.A.	8.20
80-90	171.55	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	6409.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	193.03
10-20	562.27
20-30	867.89
30-40	1065.99
40-50	1125.31
50-60	1050.37
60-70	849.74
70-80	523.53
80-90	171.55
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

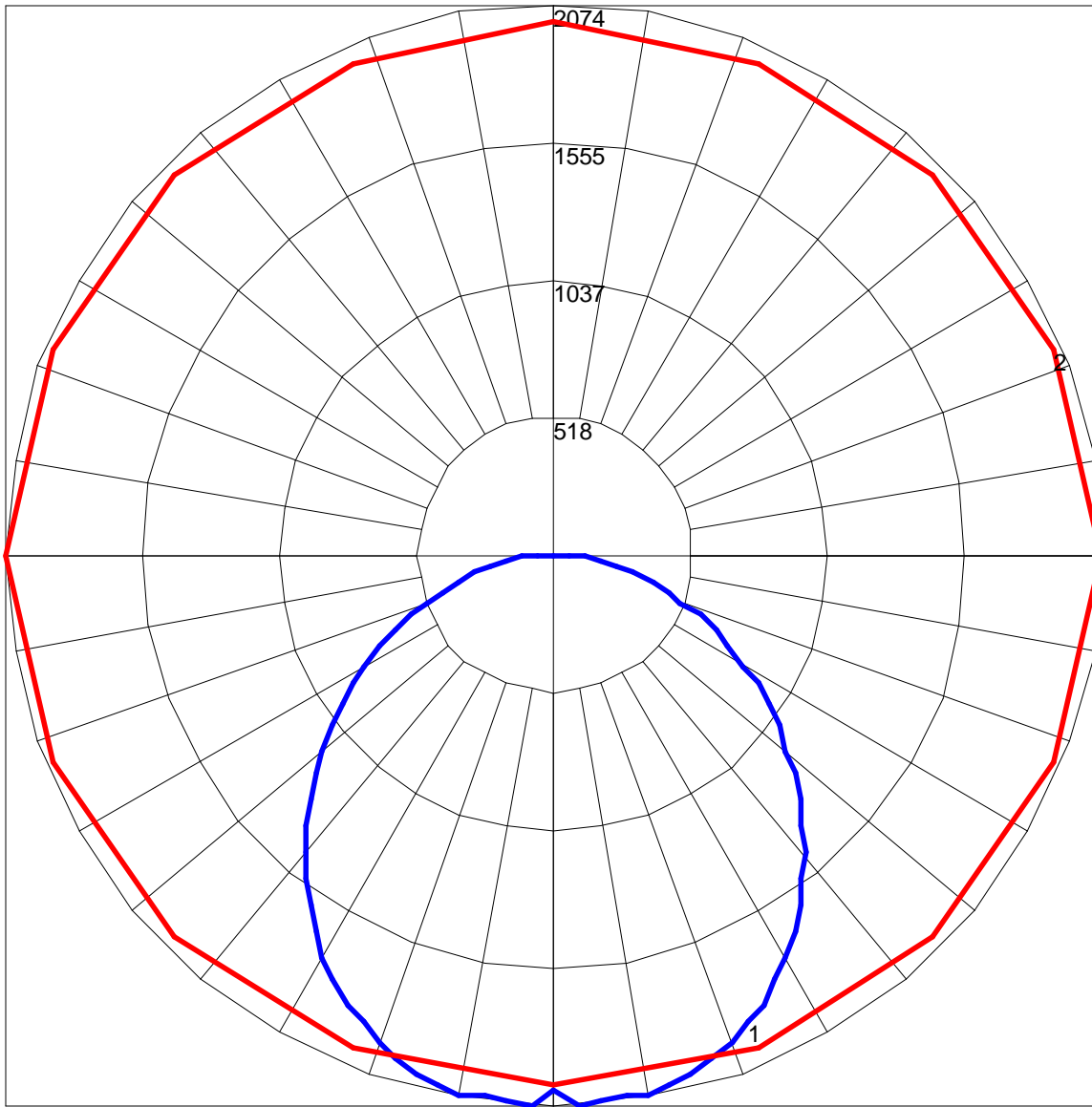
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2073.85 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.)