



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-60L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9752_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]02/22/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]S4-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6521
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	160
Total Luminaire Watts	40.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	24179	23293	22751
55	24283	23251	22584
65	23564	21999	21505
75	20853	19508	19239
85	14782	15581	15581

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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	1988.132	1988.132	1988.132	1988.132	1988.132
2.5	2049.654	2001.084	1984.894	1968.704	1952.514
5.0	2052.892	2004.322	1988.132	1971.942	1952.514
7.5	2046.416	2001.084	1981.656	1965.466	1946.038
10.0	2043.178	1997.846	1975.180	1962.228	1942.800
12.5	2039.940	1991.370	1971.942	1955.752	1936.324
15.0	2030.226	1984.894	1962.228	1946.038	1929.848
17.5	2014.036	1971.942	1949.276	1929.848	1913.658
20.0	1997.846	1952.514	1929.848	1910.420	1897.468
22.5	1975.180	1933.086	1910.420	1890.992	1878.040
25.0	1952.514	1913.658	1884.516	1868.326	1852.136
27.5	1926.610	1887.754	1858.612	1842.422	1826.232
30.0	1890.992	1855.374	1826.232	1806.804	1790.614
32.5	1852.136	1816.518	1784.138	1767.948	1751.758
35.0	1810.042	1771.186	1742.044	1725.854	1709.664
37.5	1761.472	1729.092	1696.712	1680.522	1661.094
40.0	1716.140	1677.284	1644.904	1628.714	1615.762
42.5	1654.618	1622.238	1589.858	1573.668	1560.716
45.0	1589.858	1560.716	1531.574	1512.146	1495.956
47.5	1521.860	1492.718	1466.814	1450.624	1434.434
50.0	1450.624	1421.482	1392.340	1379.388	1366.436
52.5	1372.912	1343.770	1317.866	1298.438	1291.962
55.0	1295.200	1266.058	1240.154	1217.488	1204.536
57.5	1211.012	1181.870	1152.728	1126.824	1117.110
60.0	1123.586	1091.206	1065.302	1039.398	1032.922
62.5	1026.446	1003.780	961.686	942.258	939.020
65.0	926.068	900.164	864.546	845.118	845.118
67.5	822.452	803.024	770.644	754.454	751.216
70.0	715.598	692.932	670.266	657.314	650.838
72.5	608.744	592.554	573.126	563.412	560.174
75.0	501.890	482.462	469.510	463.034	463.034
77.5	401.512	382.084	378.846	369.132	372.370
80.0	304.372	288.182	288.182	278.468	281.706
82.5	207.232	197.518	200.756	194.280	194.280
85.0	119.806	123.044	126.282	119.806	126.282
87.5	48.570	55.046	61.522	58.284	58.284
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	745.83	N.A.	11.40
0-30	1618.99	N.A.	24.80
0-40	2714.6	N.A.	41.60
0-60	5008.7	N.A.	76.80
0-80	6378.69	N.A.	97.80
0-90	6520.67	N.A.	100.00
10-90	6331.00	N.A.	97.10
20-40	1968.77	N.A.	30.20
20-50	3153.82	N.A.	48.40
40-70	3159.54	N.A.	48.50
60-80	1369.99	N.A.	21.00
70-80	504.55	N.A.	7.70
80-90	141.99	N.A.	2.20
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	6520.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	189.68
10-20	556.16
20-30	873.16
30-40	1095.61
40-50	1185.05
50-60	1109.04
60-70	865.44
70-80	504.55
80-90	141.99
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

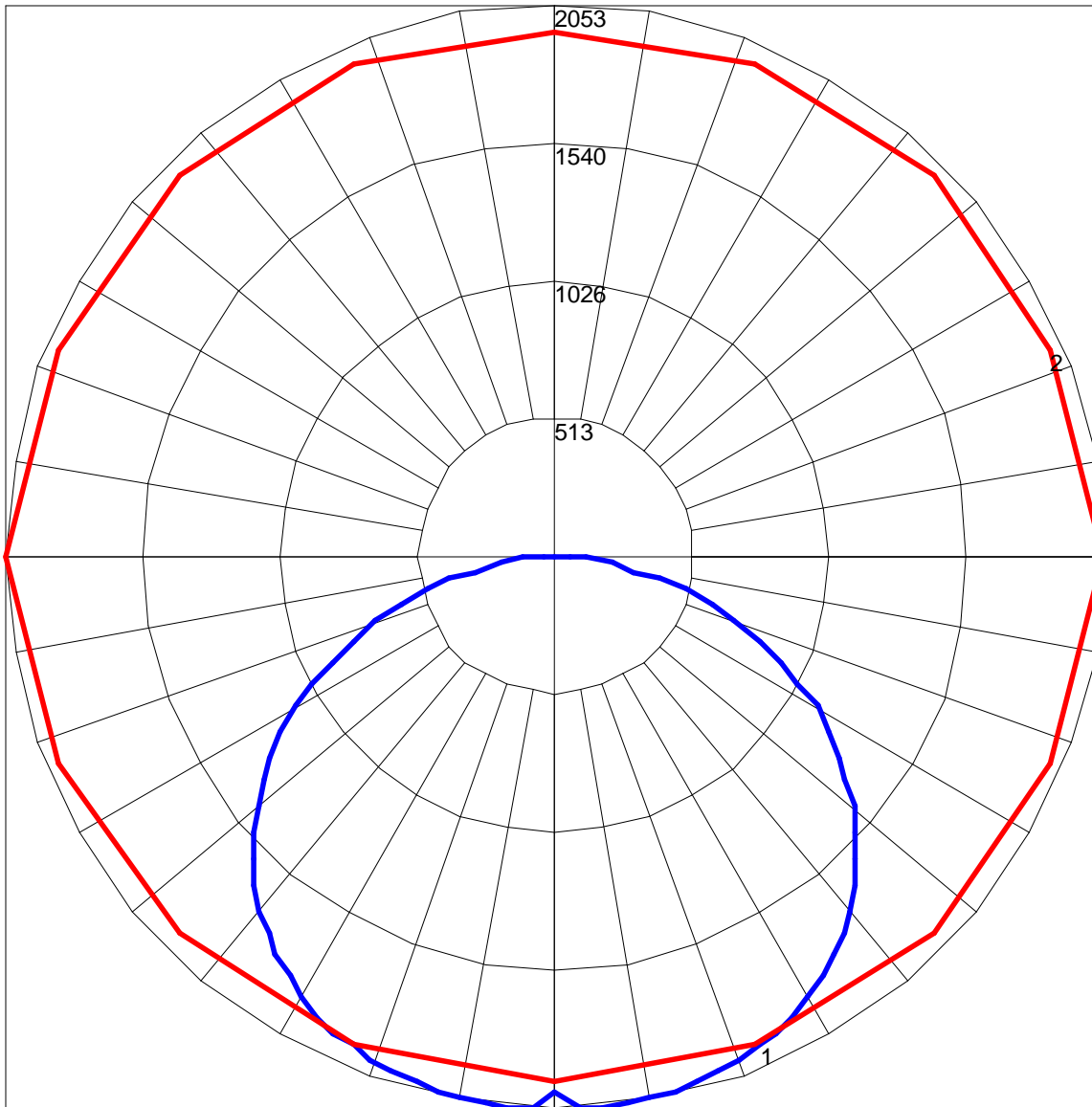
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	95	106	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	52	65	58	52	63	56	51	60	55	50	48
5	75	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	33	31
8	59	45	36	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

POLAR GRAPH



Maximum Candela = 2052.892 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)