



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-70L-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
[LUMCAT]S4-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7517
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
Total Luminaire Watts	47.5
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	27872	26851	26226
55	27993	26803	26033
65	27164	25360	24790
75	24039	22488	22178
85	17041	17962	17962

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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	2291.841	2291.841	2291.841	2291.841	2291.841
2.5	2362.761	2306.772	2288.108	2269.445	2250.782
5.0	2366.494	2310.504	2291.841	2273.178	2250.782
7.5	2359.028	2306.772	2284.376	2265.712	2243.317
10.0	2355.296	2303.039	2276.910	2261.980	2239.584
12.5	2351.563	2295.574	2273.178	2254.515	2232.119
15.0	2340.365	2288.108	2261.980	2243.317	2224.653
17.5	2321.702	2273.178	2247.049	2224.653	2205.990
20.0	2303.039	2250.782	2224.653	2202.258	2187.327
22.5	2276.910	2228.386	2202.258	2179.862	2164.931
25.0	2250.782	2205.990	2172.396	2153.733	2135.070
27.5	2220.921	2176.129	2142.535	2123.872	2105.209
30.0	2179.862	2138.803	2105.209	2082.813	2064.150
32.5	2135.070	2094.011	2056.685	2038.021	2019.358
35.0	2086.546	2041.754	2008.160	1989.497	1970.834
37.5	2030.556	1993.230	1955.903	1937.240	1914.844
40.0	1978.299	1933.508	1896.181	1877.518	1862.587
42.5	1907.379	1870.053	1832.726	1814.063	1799.132
45.0	1832.726	1799.132	1765.539	1743.143	1724.480
47.5	1754.341	1720.747	1690.886	1672.223	1653.560
50.0	1672.223	1638.629	1605.035	1590.105	1575.174
52.5	1582.639	1549.046	1519.184	1496.789	1489.323
55.0	1493.056	1459.462	1429.601	1403.473	1388.542
57.5	1396.007	1362.414	1328.820	1298.959	1287.761
60.0	1295.226	1257.900	1228.039	1198.177	1190.712
62.5	1183.247	1157.118	1108.594	1086.198	1082.466
65.0	1067.535	1037.674	996.615	974.219	974.219
67.5	948.091	925.695	888.368	869.705	865.972
70.0	824.913	798.785	772.656	757.726	750.261
72.5	701.736	683.073	660.677	649.479	645.747
75.0	578.559	556.163	541.233	533.768	533.768
77.5	462.847	440.452	436.719	425.521	429.254
80.0	350.868	332.205	332.205	321.007	324.740
82.5	238.889	227.691	231.424	223.958	223.958
85.0	138.108	141.840	145.573	138.108	145.573
87.5	55.990	63.455	70.920	67.188	67.188
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	859.77	N.A.	11.40
0-30	1866.31	N.A.	24.80
0-40	3129.29	N.A.	41.60
0-60	5773.83	N.A.	76.80
0-80	7353.1	N.A.	97.80
0-90	7516.78	N.A.	100.00
10-90	7298.13	N.A.	97.10
20-40	2269.52	N.A.	30.20
20-50	3635.6	N.A.	48.40
40-70	3642.19	N.A.	48.50
60-80	1579.27	N.A.	21.00
70-80	581.62	N.A.	7.70
80-90	163.68	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	7516.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	218.65
10-20	641.12
20-30	1006.54
30-40	1262.98
40-50	1366.08
50-60	1278.46
60-70	997.64
70-80	581.62
80-90	163.68
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

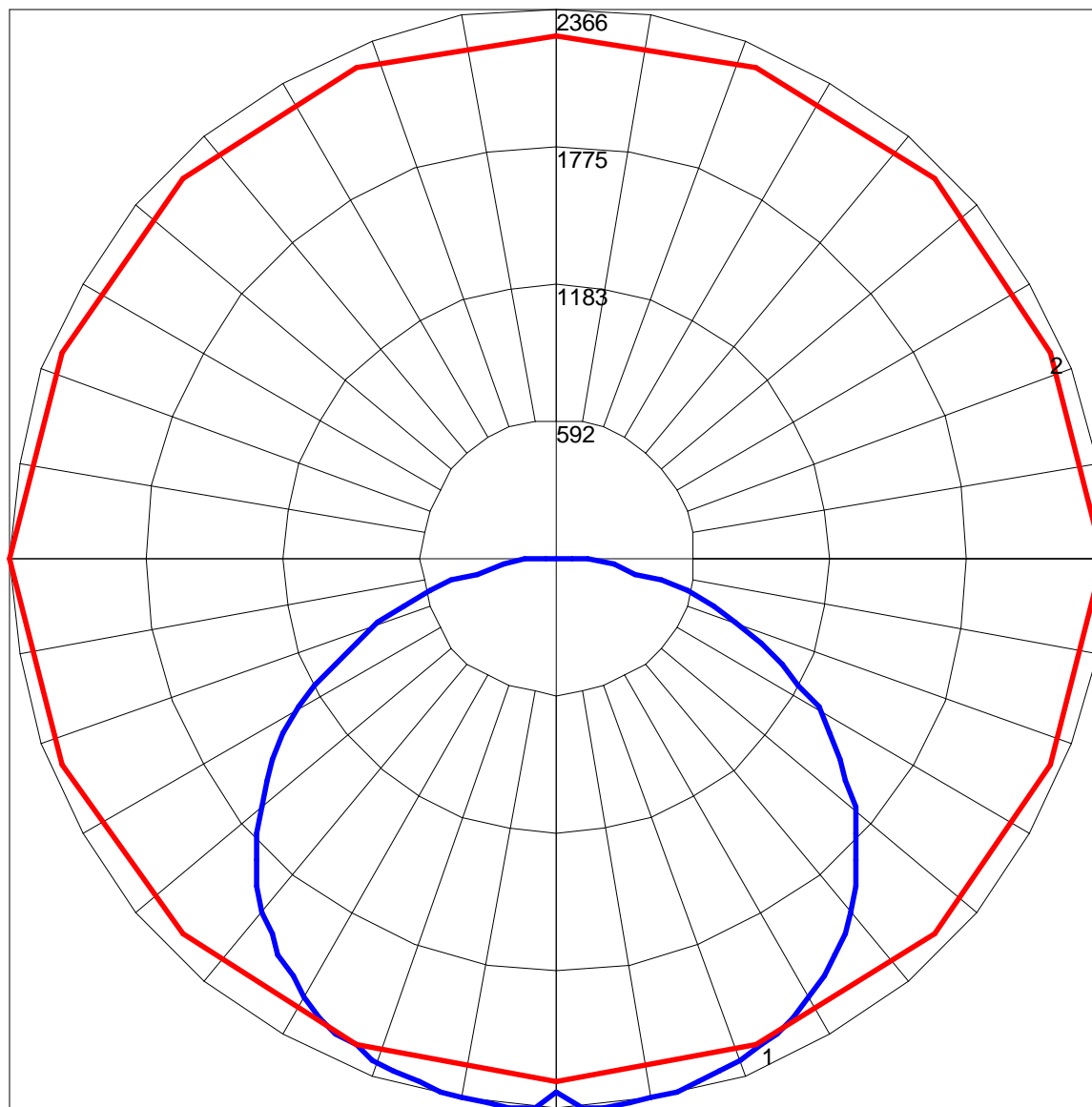
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2366.494 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.)