



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-100L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9762_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]02/23/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-100L-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	10676
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	69.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	8.00 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	19396	19166	19005
55	19388	19118	18891
65	18556	18190	17940
75	16344	15904	15715
85	11387	12414	12227

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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	3278.476	3278.476	3278.476	3278.476	3278.476
2.5	3317.812	3286.041	3272.424	3273.937	3286.041
5.0	3320.837	3287.553	3275.450	3278.476	3289.066
7.5	3316.299	3284.528	3270.911	3276.963	3286.041
10.0	3308.734	3276.963	3263.347	3269.399	3276.963
12.5	3296.631	3263.347	3249.731	3255.782	3263.347
15.0	3278.476	3246.705	3233.089	3236.115	3243.679
17.5	3251.244	3224.011	3210.395	3211.908	3217.960
20.0	3219.472	3193.753	3181.650	3181.650	3187.701
22.5	3181.650	3157.443	3146.853	3145.340	3151.392
25.0	3137.775	3116.595	3106.004	3102.978	3109.030
27.5	3090.875	3066.669	3060.617	3053.052	3057.591
30.0	3031.872	3010.691	3004.639	2997.075	3000.101
32.5	2971.355	2950.175	2941.097	2930.507	2935.045
35.0	2901.761	2880.581	2871.503	2857.887	2866.964
37.5	2823.090	2804.935	2794.345	2780.729	2788.293
40.0	2738.367	2721.725	2711.135	2696.006	2697.519
42.5	2647.593	2630.951	2620.360	2599.179	2605.231
45.0	2550.766	2528.073	2520.508	2494.789	2499.327
47.5	2443.350	2422.169	2413.091	2382.833	2391.911
50.0	2328.369	2308.701	2295.084	2267.852	2275.417
52.5	2204.310	2183.129	2174.052	2143.793	2149.845
55.0	2068.148	2045.454	2039.403	2012.170	2015.196
57.5	1919.883	1909.292	1895.676	1874.496	1877.521
60.0	1771.618	1765.566	1742.872	1723.204	1727.743
62.5	1618.814	1614.275	1588.556	1570.401	1565.862
65.0	1458.445	1458.445	1429.700	1405.493	1410.032
67.5	1295.051	1295.051	1266.306	1243.612	1239.073
70.0	1128.631	1128.631	1095.347	1075.679	1075.679
72.5	954.646	954.646	928.927	916.823	915.311
75.0	786.713	777.636	765.532	759.481	756.455
77.5	615.754	608.190	602.138	602.138	605.164
80.0	458.412	453.873	455.386	458.412	452.360
82.5	311.659	313.172	320.737	319.224	320.737
85.0	184.575	192.140	201.217	195.165	198.191
87.5	83.210	90.775	98.339	93.800	96.826
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	1230.5	N.A.	11.50
0-30	2666.22	N.A.	25.00
0-40	4464.47	N.A.	41.80
0-60	8221.52	N.A.	77.00
0-80	10449.19	N.A.	97.90
0-90	10675.92	N.A.	100.00
10-90	10362.6	N.A.	97.10
20-40	3233.97	N.A.	30.30
20-50	5174.91	N.A.	48.50
40-70	5170.99	N.A.	48.40
60-80	2227.67	N.A.	20.90
70-80	813.73	N.A.	7.60
80-90	226.73	N.A.	2.10
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	10675.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	313.32
10-20	917.18
20-30	1435.72
30-40	1798.25
40-50	1940.94
50-60	1816.11
60-70	1413.94
70-80	813.73
80-90	226.73
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

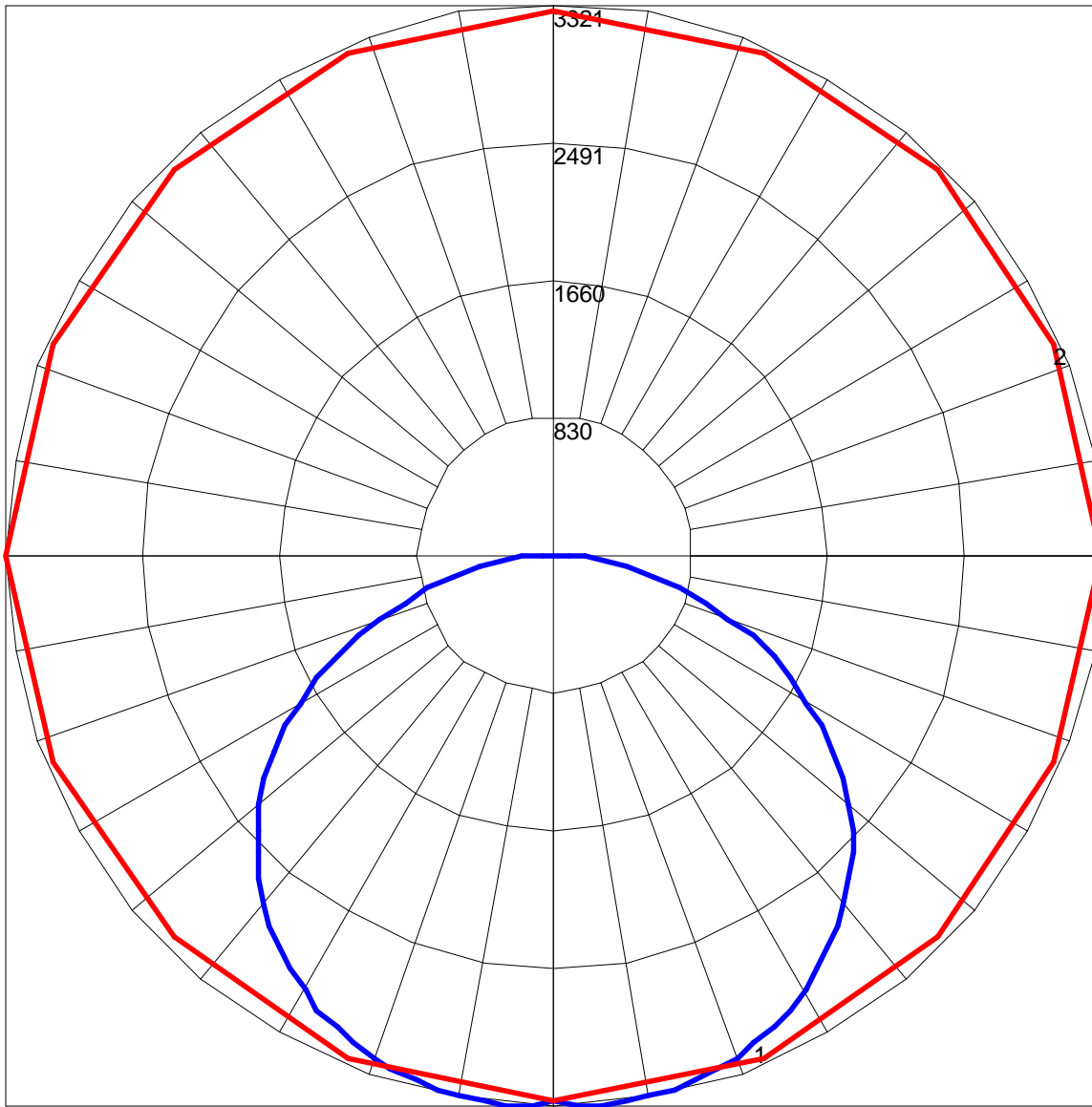
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	88	89	87	85	83
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	50	48
5	75	61	52	45	72	60	52	45	58	50	45	56	49	44	54	48	44	41
6	69	55	46	39	67	54	45	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	41	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	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 3320.837 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.)