



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-70L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9797
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/27/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]S8-LED-70L-50
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7504
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
Total Luminaire Watts	47.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.38
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	13467	13482	13436
55	13508	13499	13227
65	12990	12876	12583
75	11592	11218	11031
85	8082	8452	8514

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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	2297	2297	2297	2297	2297
2.5	2310	2304	2297	2300	2307
5.0	2313	2306	2298	2302	2307
7.5	2311	2304	2296	2301	2305
10.0	2305	2299	2291	2295	2299
12.5	2294	2291	2283	2286	2290
15.0	2281	2280	2271	2274	2277
17.5	2264	2264	2254	2256	2259
20.0	2245	2243	2235	2236	2237
22.5	2221	2219	2211	2210	2212
25.0	2193	2190	2182	2180	2182
27.5	2160	2158	2148	2145	2149
30.0	2120	2118	2109	2105	2110
32.5	2075	2075	2066	2060	2067
35.0	2026	2028	2017	2009	2018
37.5	1969	1975	1964	1954	1962
40.0	1909	1915	1905	1895	1902
42.5	1841	1849	1842	1829	1836
45.0	1771	1779	1773	1758	1767
47.5	1697	1705	1700	1680	1691
50.0	1616	1625	1620	1599	1599
52.5	1531	1540	1535	1510	1509
55.0	1441	1450	1440	1413	1411
57.5	1346	1352	1342	1315	1310
60.0	1240	1245	1232	1210	1205
62.5	1130	1138	1124	1101	1098
65.0	1021	1028	1012	988	989
67.5	907	915	893	873	879
70.0	791	799	775	759	760
72.5	674	679	658	644	641
75.0	558	554	540	531	531
77.5	438	433	428	423	425
80.0	328	320	321	319	320
82.5	221	219	225	218	223
85.0	131	135	137	132	138
87.5	57	63	65	59	56
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	863.06	N.A.	11.50
0-30	1871.05	N.A.	24.90
0-40	3134.35	N.A.	41.80
0-60	5776.82	N.A.	77.00
0-80	7347.13	N.A.	97.90
0-90	7504.09	N.A.	100.00
10-90	7284.42	N.A.	97.10
20-40	2271.29	N.A.	30.30
20-50	3635.71	N.A.	48.40
40-70	3638.01	N.A.	48.50
60-80	1570.31	N.A.	20.90
70-80	574.77	N.A.	7.70
80-90	156.96	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	7504.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	219.68
10-20	643.38
20-30	1007.99
30-40	1263.3
40-50	1364.43
50-60	1278.05
60-70	995.54
70-80	574.77
80-90	156.96
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

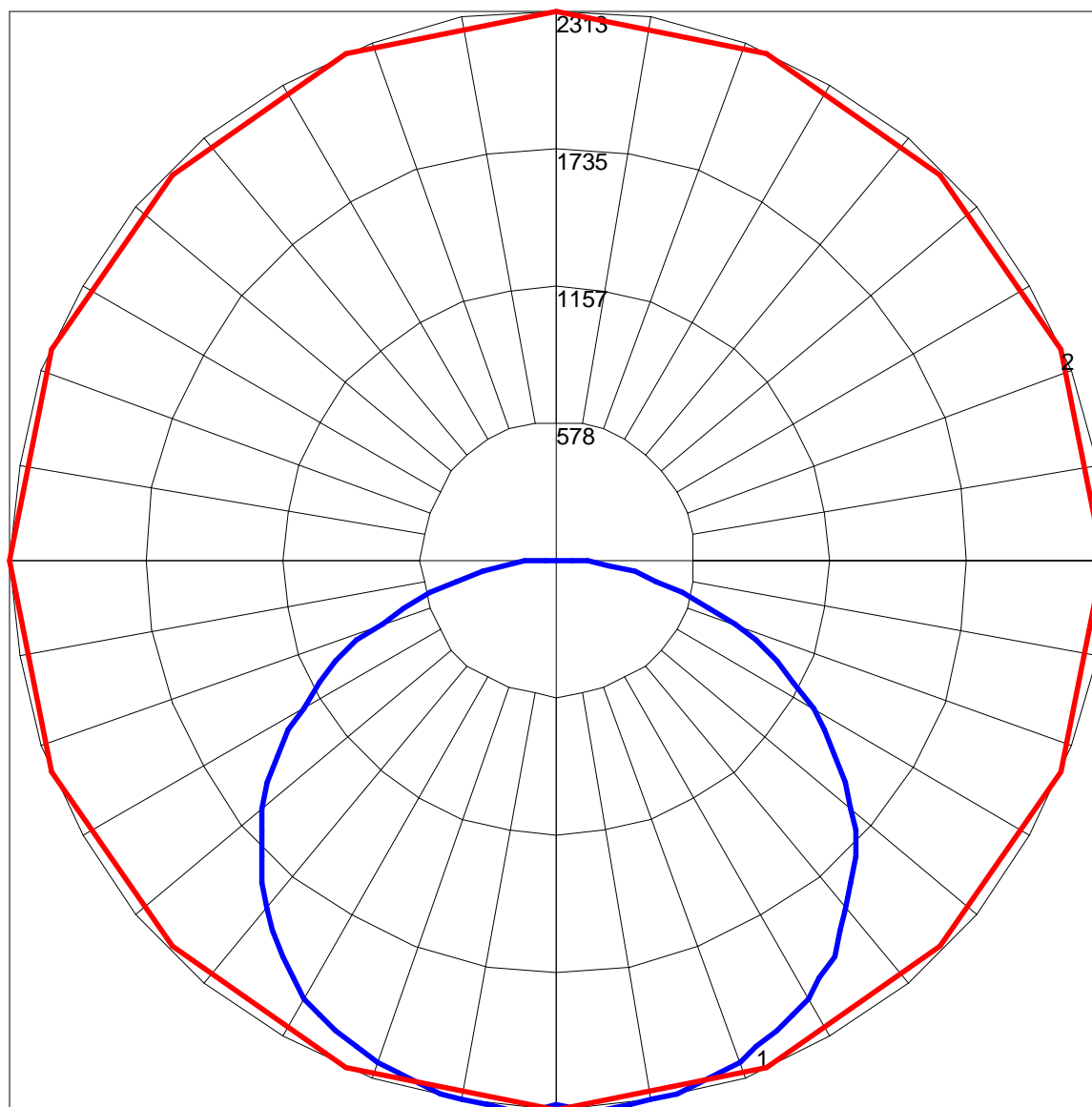
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	60	55	50	48
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	51	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	30	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	29	25	36	29	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 2313 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.)