



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-100L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9768
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/23/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-100L-40
[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	10040
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
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	18257	18014	17862
55	18214	17989	17764
65	17507	17176	16794
75	15269	14999	14896
85	10920	11660	11660

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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	3072	3072	3072	3072	3072
2.5	3088	3082	3072	3072	3082
5.0	3093	3084	3073	3076	3084
7.5	3092	3082	3070	3074	3081
10.0	3088	3076	3064	3067	3073
12.5	3078	3064	3052	3055	3060
15.0	3062	3049	3037	3037	3042
17.5	3041	3027	3014	3013	3020
20.0	3017	3000	2987	2987	2993
22.5	2985	2965	2954	2953	2960
25.0	2950	2925	2917	2914	2921
27.5	2909	2879	2871	2868	2874
30.0	2858	2829	2819	2816	2821
32.5	2801	2771	2761	2756	2760
35.0	2737	2708	2696	2687	2691
37.5	2662	2637	2625	2611	2616
40.0	2584	2559	2548	2530	2532
42.5	2494	2473	2463	2441	2445
45.0	2401	2380	2369	2344	2349
47.5	2298	2277	2267	2242	2245
50.0	2188	2170	2160	2135	2136
52.5	2067	2048	2045	2019	2020
55.0	1943	1927	1919	1893	1895
57.5	1806	1799	1784	1763	1763
60.0	1669	1664	1645	1626	1620
62.5	1526	1522	1500	1476	1468
65.0	1376	1375	1350	1323	1320
67.5	1223	1222	1192	1171	1169
70.0	1066	1061	1032	1018	1017
72.5	900	890	877	867	864
75.0	735	732	722	716	717
77.5	582	576	572	571	566
80.0	434	430	433	427	430
82.5	298	299	305	301	299
85.0	177	184	189	184	189
87.5	74	83	93	90	93
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1154.22	N.A.	11.50
0-30	2502.54	N.A.	24.90
0-40	4192.72	N.A.	41.80
0-60	7725.86	N.A.	76.90
0-80	9825.63	N.A.	97.90
0-90	10040.14	N.A.	100.00
10-90	9746.42	N.A.	97.10
20-40	3038.5	N.A.	30.30
20-50	4863.16	N.A.	48.40
40-70	4865.49	N.A.	48.50
60-80	2099.78	N.A.	20.90
70-80	767.42	N.A.	7.60
80-90	214.51	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	10040.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	293.73
10-20	860.49
20-30	1348.33
30-40	1690.18
40-50	1824.66
50-60	1708.48
60-70	1332.36
70-80	767.42
80-90	214.51
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

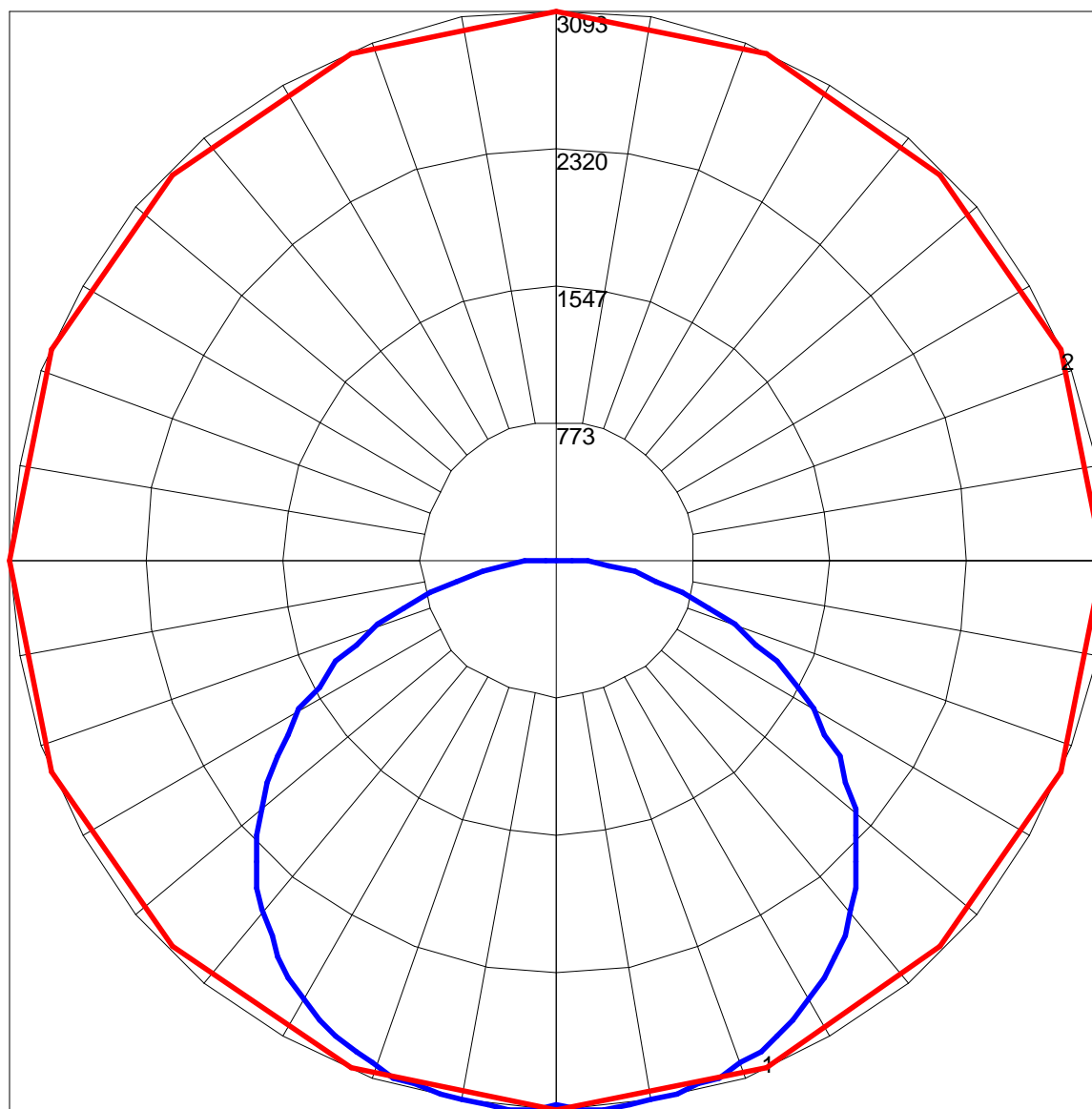
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	76	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	31
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 = 3093 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.)