



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-180L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9796
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/27/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-180L-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	18057
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	126.3
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	32363	32470	32196
55	32313	32510	31920
65	31260	31018	30179
75	27319	27028	26758
85	19433	20914	20359

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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	5513	5513	5513	5513	5513
2.5	5522	5538	5520	5521	5536
5.0	5526	5542	5524	5527	5539
7.5	5520	5538	5519	5524	5534
10.0	5505	5527	5506	5512	5520
12.5	5481	5508	5485	5492	5498
15.0	5450	5480	5457	5462	5468
17.5	5410	5443	5418	5422	5428
20.0	5363	5396	5371	5372	5380
22.5	5304	5335	5314	5313	5319
25.0	5237	5266	5244	5242	5249
27.5	5154	5184	5164	5161	5169
30.0	5063	5091	5071	5067	5075
32.5	4960	4989	4967	4958	4968
35.0	4844	4876	4851	4833	4845
37.5	4714	4749	4725	4700	4705
40.0	4574	4609	4586	4558	4560
42.5	4422	4456	4433	4394	4404
45.0	4256	4285	4270	4226	4234
47.5	4077	4107	4089	4046	4048
50.0	3877	3910	3899	3851	3846
52.5	3676	3702	3687	3643	3632
55.0	3447	3478	3468	3414	3405
57.5	3216	3248	3227	3179	3166
60.0	2972	3005	2977	2924	2890
62.5	2719	2751	2715	2661	2635
65.0	2457	2486	2438	2393	2372
67.5	2185	2206	2158	2122	2103
70.0	1907	1918	1868	1847	1829
72.5	1597	1622	1580	1572	1554
75.0	1315	1323	1301	1296	1288
77.5	1041	1041	1027	1028	1031
80.0	778	774	776	773	761
82.5	533	530	546	545	531
85.0	315	316	339	337	330
87.5	128	141	169	173	168
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2072.41	N.A.	11.50
0-30	4493.82	N.A.	24.90
0-40	7529.61	N.A.	41.70
0-60	13886.98	N.A.	76.90
0-80	17673.58	N.A.	97.90
0-90	18057.49	N.A.	100.00
10-90	17530.11	N.A.	97.10
20-40	5457.21	N.A.	30.20
20-50	8738.68	N.A.	48.40
40-70	8759.75	N.A.	48.50
60-80	3786.6	N.A.	21.00
70-80	1384.22	N.A.	7.70
80-90	383.91	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	18057.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	527.38
10-20	1545.02
20-30	2421.41
30-40	3035.79
40-50	3281.47
50-60	3075.89
60-70	2402.39
70-80	1384.22
80-90	383.91
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

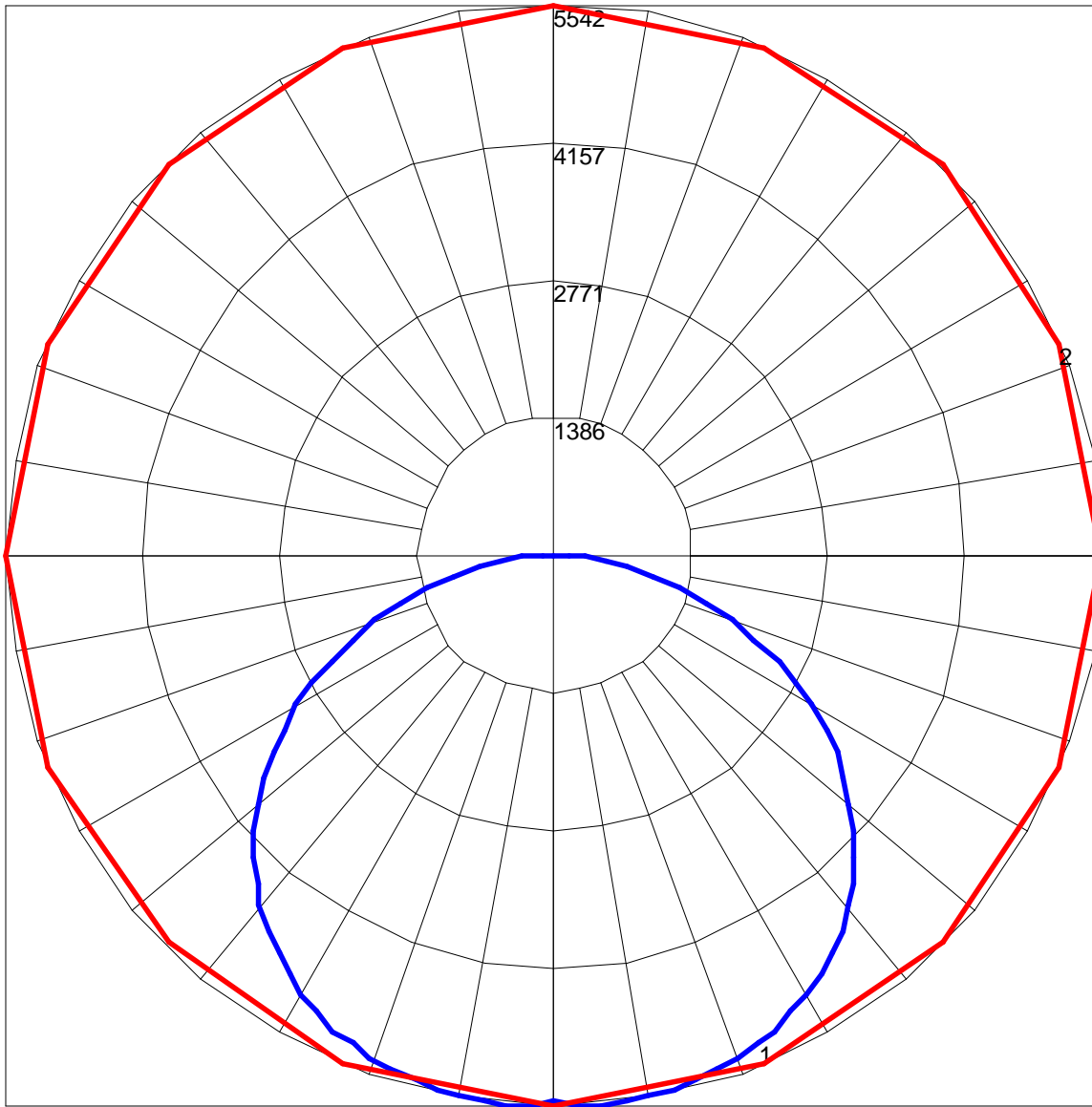
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	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	22

POLAR GRAPH



Maximum Candela = 5542 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)