



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-140L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9789
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/26/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-140L-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	14019
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	94.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.50
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	25215	25132	24972
55	25320	25255	24720
65	24390	24148	23690
75	21855	21336	20920
85	15300	16719	16472

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-140L-40.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	4250	4250	4250	4250	4250
2.5	4221	4276	4263	4265	4279
5.0	4225	4280	4266	4270	4281
7.5	4225	4277	4262	4267	4276
10.0	4221	4268	4253	4258	4265
12.5	4213	4253	4238	4242	4248
15.0	4198	4232	4216	4219	4226
17.5	4171	4204	4188	4188	4194
20.0	4136	4168	4152	4149	4157
22.5	4092	4123	4108	4102	4111
25.0	4042	4070	4054	4046	4058
27.5	3986	4008	3992	3984	3995
30.0	3921	3939	3919	3912	3922
32.5	3846	3862	3840	3829	3842
35.0	3759	3772	3752	3737	3752
37.5	3666	3672	3654	3637	3651
40.0	3563	3563	3549	3527	3541
42.5	3442	3443	3430	3405	3422
45.0	3316	3314	3305	3273	3284
47.5	3180	3178	3170	3133	3135
50.0	3031	3031	3026	2980	2981
52.5	2871	2871	2863	2816	2814
55.0	2701	2704	2694	2645	2637
57.5	2524	2523	2509	2465	2452
60.0	2329	2335	2312	2274	2259
62.5	2123	2129	2112	2072	2063
65.0	1917	1927	1898	1869	1862
67.5	1705	1717	1683	1654	1645
70.0	1490	1500	1465	1436	1425
72.5	1271	1277	1242	1220	1214
75.0	1052	1047	1027	1013	1007
77.5	828	818	809	811	807
80.0	612	605	613	618	614
82.5	419	415	430	435	433
85.0	248	251	271	273	267
87.5	111	121	138	142	135
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-140L-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1599.95	N.A.	11.40
0-30	3470.92	N.A.	24.80
0-40	5820.27	N.A.	41.50
0-60	10752.67	N.A.	76.70
0-80	13712.51	N.A.	97.80
0-90	14019.05	N.A.	100.00
10-90	13612.17	N.A.	97.10
20-40	4220.33	N.A.	30.10
20-50	6763.44	N.A.	48.20
40-70	6804.1	N.A.	48.50
60-80	2959.83	N.A.	21.10
70-80	1088.14	N.A.	7.80
80-90	306.54	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	14019.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	406.88
10-20	1193.07
20-30	1870.98
30-40	2349.35
40-50	2543.11
50-60	2389.29
60-70	1871.7
70-80	1088.14
80-90	306.54
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

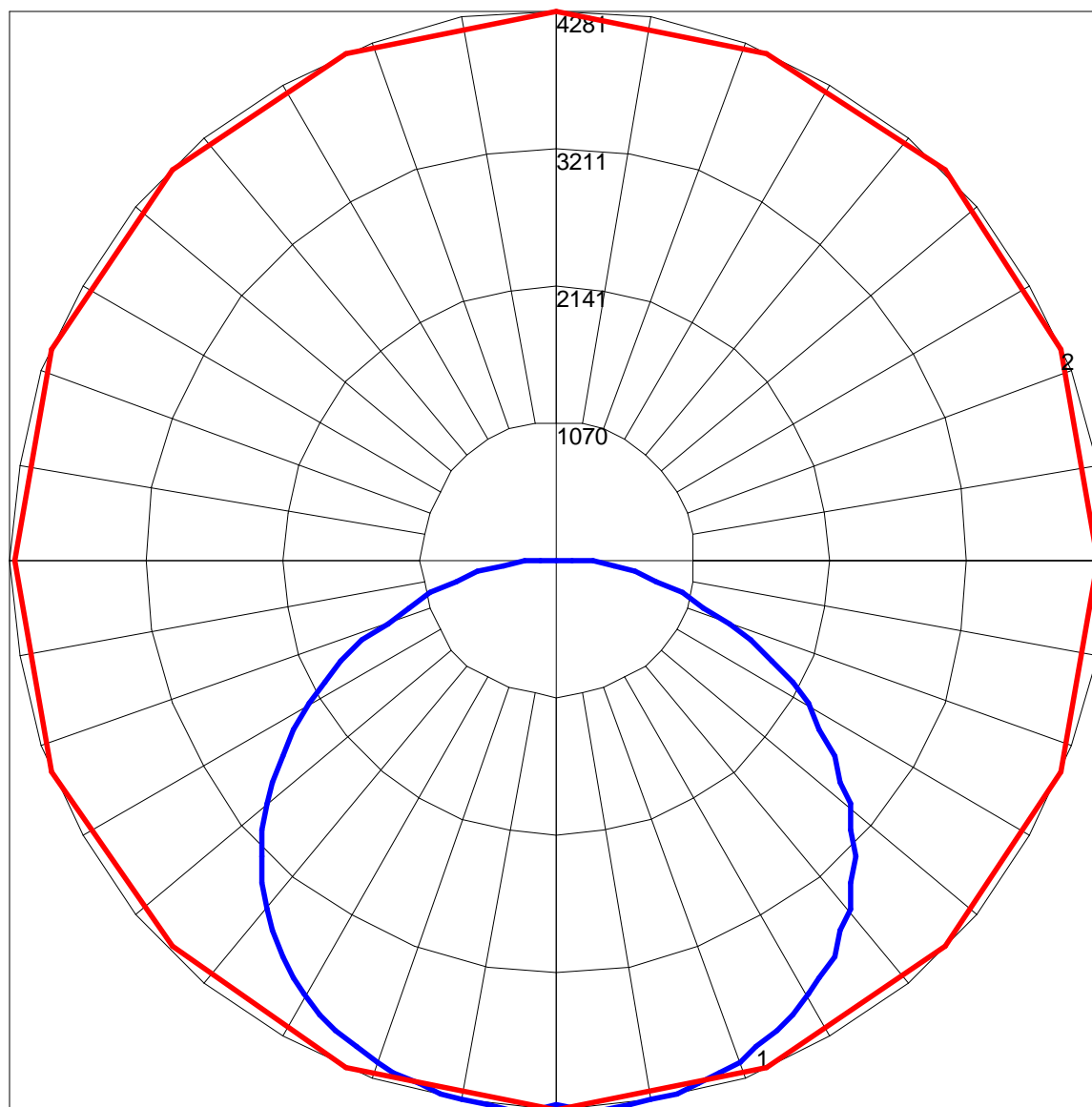
IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-140L-40.IES

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	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	58	52	63	56	51	60	55	50	48
5	74	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	43	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	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	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 = 4281 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)