



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-120L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9786
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/26/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-120L-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	12035
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	81.1
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	21527	21588	21474
55	21645	21664	21233
65	20980	20764	20229
75	18593	18220	18053
85	12956	14498	14066

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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	3655	3655	3655	3655	3655
2.5	3647	3673	3661	3664	3673
5.0	3652	3675	3663	3667	3675
7.5	3651	3672	3660	3666	3673
10.0	3643	3665	3652	3658	3664
12.5	3628	3652	3639	3644	3649
15.0	3611	3634	3621	3625	3629
17.5	3586	3610	3596	3598	3604
20.0	3554	3579	3565	3565	3570
22.5	3516	3541	3527	3525	3530
25.0	3471	3496	3482	3479	3484
27.5	3418	3444	3429	3424	3431
30.0	3360	3383	3367	3361	3371
32.5	3293	3312	3298	3289	3302
35.0	3218	3237	3223	3210	3226
37.5	3130	3153	3139	3124	3142
40.0	3037	3058	3046	3030	3048
42.5	2937	2957	2946	2925	2939
45.0	2831	2847	2839	2812	2824
47.5	2715	2730	2724	2693	2702
50.0	2590	2605	2599	2558	2562
52.5	2458	2467	2458	2421	2419
55.0	2309	2324	2311	2274	2265
57.5	2158	2160	2152	2119	2106
60.0	1990	1999	1988	1951	1942
62.5	1823	1830	1811	1780	1773
65.0	1649	1656	1632	1605	1590
67.5	1468	1476	1447	1420	1413
70.0	1282	1289	1254	1229	1224
72.5	1094	1093	1062	1048	1044
75.0	895	900	877	872	869
77.5	710	697	694	698	697
80.0	524	518	527	529	531
82.5	357	354	371	377	370
85.0	210	214	235	235	228
87.5	90	103	115	121	113
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1374.61	N.A.	11.40
0-30	2981.71	N.A.	24.80
0-40	4998.46	N.A.	41.50
0-60	9232.3	N.A.	76.70
0-80	11772.82	N.A.	97.80
0-90	12035.33	N.A.	100.00
10-90	11685.64	N.A.	97.10
20-40	3623.86	N.A.	30.10
20-50	5807.04	N.A.	48.20
40-70	5841.03	N.A.	48.50
60-80	2540.52	N.A.	21.10
70-80	933.33	N.A.	7.80
80-90	262.51	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	12035.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	349.70
10-20	1024.91
20-30	1607.1
30-40	2016.76
40-50	2183.18
50-60	2050.65
60-70	1607.19
70-80	933.33
80-90	262.51
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

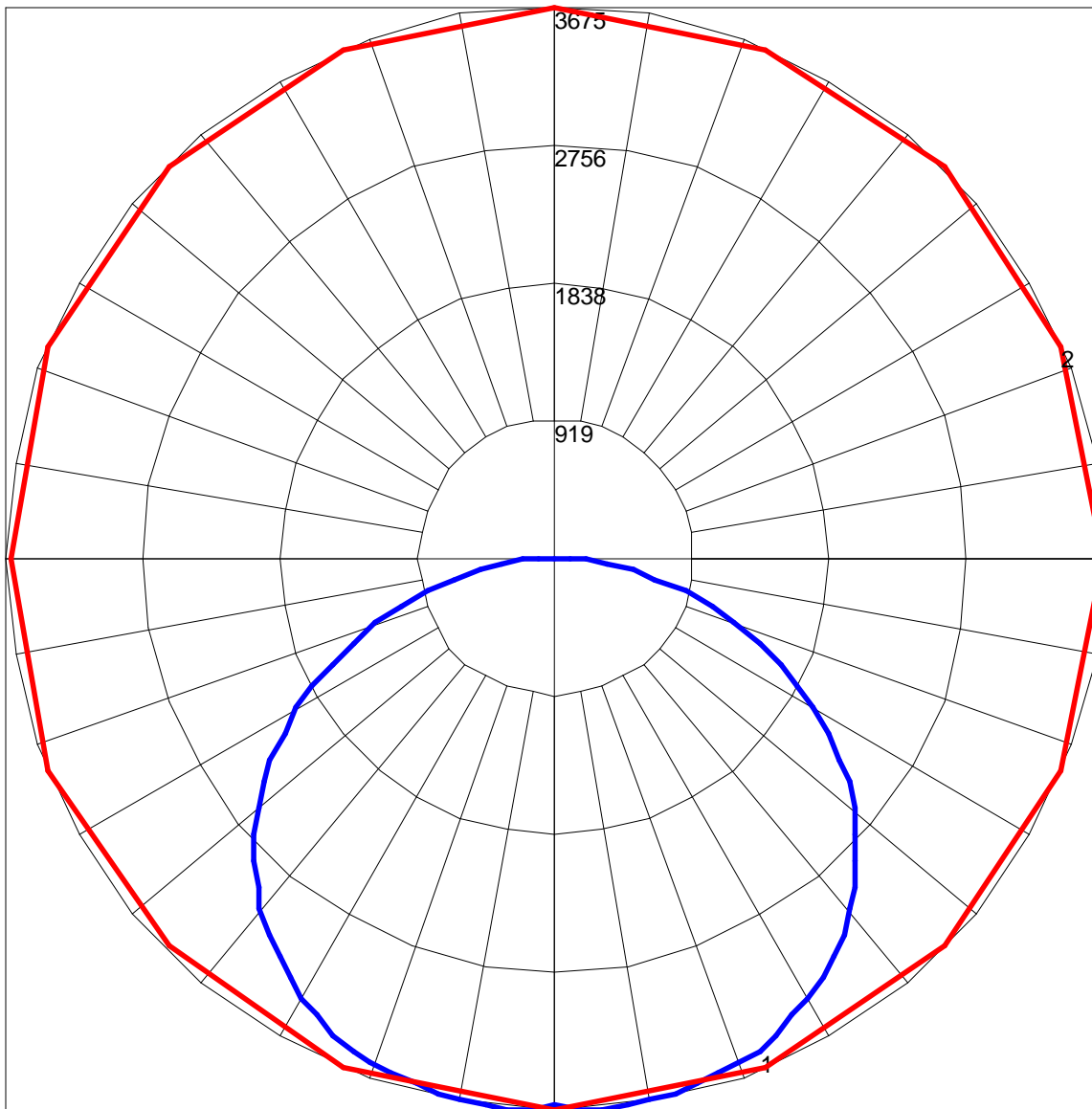
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	88	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	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	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 = 3675 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.)