



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-140L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9762_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]02/23/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-140L-35
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14093
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	94.9
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	25604	25301	25088
55	25593	25237	24937
65	24494	24012	23681
75	21575	20994	20745
85	15032	16387	16140

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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	4327.781	4327.781	4327.781	4327.781	4327.781
2.5	4379.706	4337.766	4319.792	4321.789	4337.766
5.0	4383.700	4339.764	4323.787	4327.781	4341.761
7.5	4377.709	4335.769	4317.795	4325.784	4337.766
10.0	4367.723	4325.784	4307.809	4315.798	4325.784
12.5	4351.746	4307.809	4289.835	4297.824	4307.809
15.0	4327.781	4285.841	4267.867	4271.861	4281.847
17.5	4291.832	4255.884	4237.910	4239.907	4247.896
20.0	4249.893	4215.942	4199.964	4199.964	4207.953
22.5	4199.964	4168.010	4154.030	4152.033	4160.022
25.0	4142.048	4114.088	4100.108	4096.114	4104.102
27.5	4080.137	4048.183	4040.194	4030.208	4036.200
30.0	4002.249	3974.289	3966.300	3956.315	3960.309
32.5	3922.363	3894.404	3882.421	3868.441	3874.432
35.0	3830.495	3802.536	3790.553	3772.579	3784.561
37.5	3726.645	3702.679	3688.699	3670.725	3680.711
40.0	3614.805	3592.837	3578.857	3558.886	3560.883
42.5	3494.978	3473.009	3459.029	3431.069	3439.058
45.0	3367.161	3337.204	3327.219	3293.267	3299.259
47.5	3225.365	3197.405	3185.422	3145.480	3157.463
50.0	3073.583	3047.620	3029.646	2993.698	3003.684
52.5	2909.818	2881.859	2869.876	2829.933	2837.922
55.0	2730.077	2700.120	2692.131	2656.183	2660.177
57.5	2534.358	2520.378	2502.404	2474.444	2478.438
60.0	2338.639	2330.651	2300.694	2274.731	2280.723
62.5	2136.929	2130.938	2096.987	2073.021	2067.030
65.0	1925.233	1925.233	1887.288	1855.334	1861.325
67.5	1709.543	1709.543	1671.598	1641.641	1635.649
70.0	1489.859	1489.859	1445.922	1419.959	1419.959
72.5	1260.189	1260.189	1226.238	1210.261	1208.264
75.0	1038.508	1026.525	1010.548	1002.559	998.565
77.5	812.832	802.846	794.858	794.858	798.852
80.0	605.130	599.139	601.136	605.130	597.142
82.5	411.409	413.406	423.392	421.394	423.392
85.0	243.650	253.636	265.618	257.630	261.624
87.5	109.842	119.828	129.813	123.822	127.816
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1624.33	N.A.	11.50
0-30	3519.57	N.A.	25.00
0-40	5893.36	N.A.	41.80
0-60	10852.88	N.A.	77.00
0-80	13793.54	N.A.	97.90
0-90	14092.84	N.A.	100.00
10-90	13679.24	N.A.	97.10
20-40	4269.02	N.A.	30.30
20-50	6831.18	N.A.	48.50
40-70	6826.01	N.A.	48.40
60-80	2940.66	N.A.	20.90
70-80	1074.17	N.A.	7.60
80-90	299.30	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	14092.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	413.60
10-20	1210.73
20-30	1895.23
30-40	2373.79
40-50	2562.16
50-60	2397.37
60-70	1866.49
70-80	1074.17
80-90	299.30
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

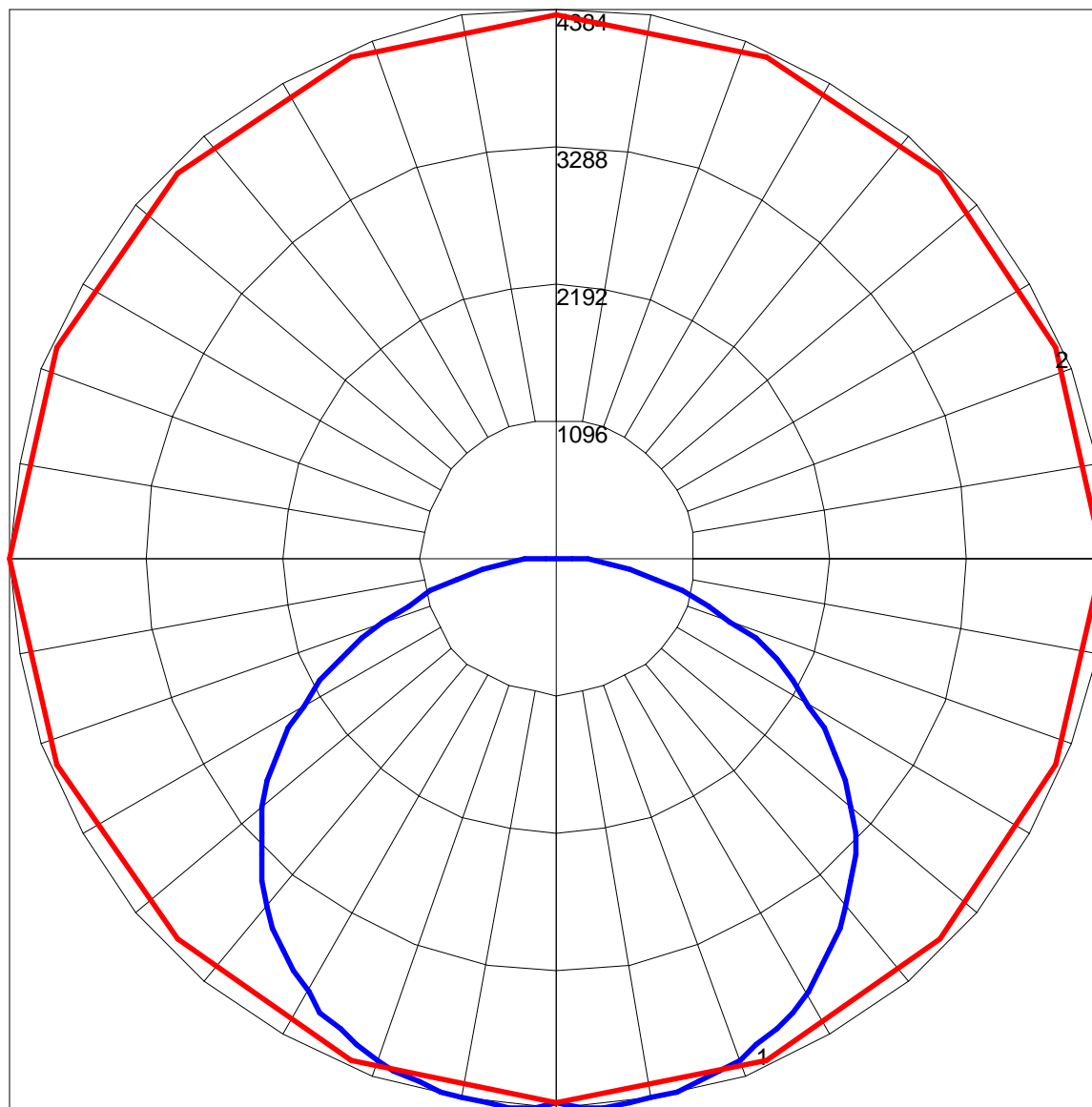
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 4383.7 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.)