



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-140L-30.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-30
[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	13582
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
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	24676	24383	24178
55	24665	24322	24033
65	23606	23141	22823
75	20793	20233	19993
85	14487	15793	15555

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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	4170.868	4170.868	4170.868	4170.868	4170.868
2.5	4220.911	4180.492	4163.169	4165.094	4180.492
5.0	4224.761	4182.417	4167.019	4170.868	4184.341
7.5	4218.986	4178.567	4161.245	4168.944	4180.492
10.0	4209.363	4168.944	4151.621	4159.320	4168.944
12.5	4193.965	4151.621	4134.299	4141.998	4151.621
15.0	4170.868	4130.449	4113.127	4116.976	4126.600
17.5	4136.223	4101.578	4084.256	4086.181	4093.880
20.0	4095.804	4063.084	4047.686	4047.686	4055.385
22.5	4047.686	4016.891	4003.418	4001.493	4009.192
25.0	3991.869	3964.923	3951.450	3947.601	3955.300
27.5	3932.203	3901.408	3893.709	3884.085	3889.859
30.0	3857.139	3830.193	3822.494	3812.870	3816.720
32.5	3780.150	3753.204	3741.656	3728.183	3733.957
35.0	3691.613	3664.667	3653.119	3635.796	3647.344
37.5	3591.528	3568.431	3554.958	3537.635	3547.259
40.0	3483.743	3462.571	3449.098	3429.851	3431.776
42.5	3368.260	3347.088	3333.615	3306.669	3314.368
45.0	3245.078	3216.207	3206.584	3173.863	3179.638
47.5	3108.423	3081.477	3069.928	3031.434	3042.982
50.0	2962.144	2937.123	2919.800	2885.155	2894.779
52.5	2804.317	2777.371	2765.823	2727.328	2735.027
55.0	2631.092	2602.222	2594.523	2559.878	2563.727
57.5	2442.470	2428.997	2411.674	2384.728	2388.578
60.0	2253.847	2246.148	2217.277	2192.256	2198.030
62.5	2059.450	2053.676	2020.956	1997.859	1992.085
65.0	1855.430	1855.430	1818.860	1788.065	1793.839
67.5	1647.560	1647.560	1610.991	1582.120	1576.346
70.0	1435.841	1435.841	1393.497	1368.476	1368.476
72.5	1214.498	1214.498	1181.778	1166.380	1164.456
75.0	1000.854	989.306	973.908	966.209	962.360
77.5	783.361	773.737	766.039	766.039	769.888
80.0	583.190	577.416	579.341	583.190	575.491
82.5	396.492	398.417	408.041	406.116	408.041
85.0	234.816	244.439	255.988	248.289	252.138
87.5	105.860	115.483	125.107	119.333	123.182
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	1565.44	N.A.	11.50
0-30	3391.96	N.A.	25.00
0-40	5679.68	N.A.	41.80
0-60	10459.39	N.A.	77.00
0-80	13293.43	N.A.	97.90
0-90	13581.88	N.A.	100.00
10-90	13183.27	N.A.	97.10
20-40	4114.24	N.A.	30.30
20-50	6583.5	N.A.	48.50
40-70	6578.52	N.A.	48.40
60-80	2834.04	N.A.	20.90
70-80	1035.22	N.A.	7.60
80-90	288.45	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	13581.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	398.61
10-20	1166.83
20-30	1826.52
30-40	2287.72
40-50	2469.26
50-60	2310.45
60-70	1798.81
70-80	1035.22
80-90	288.45
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

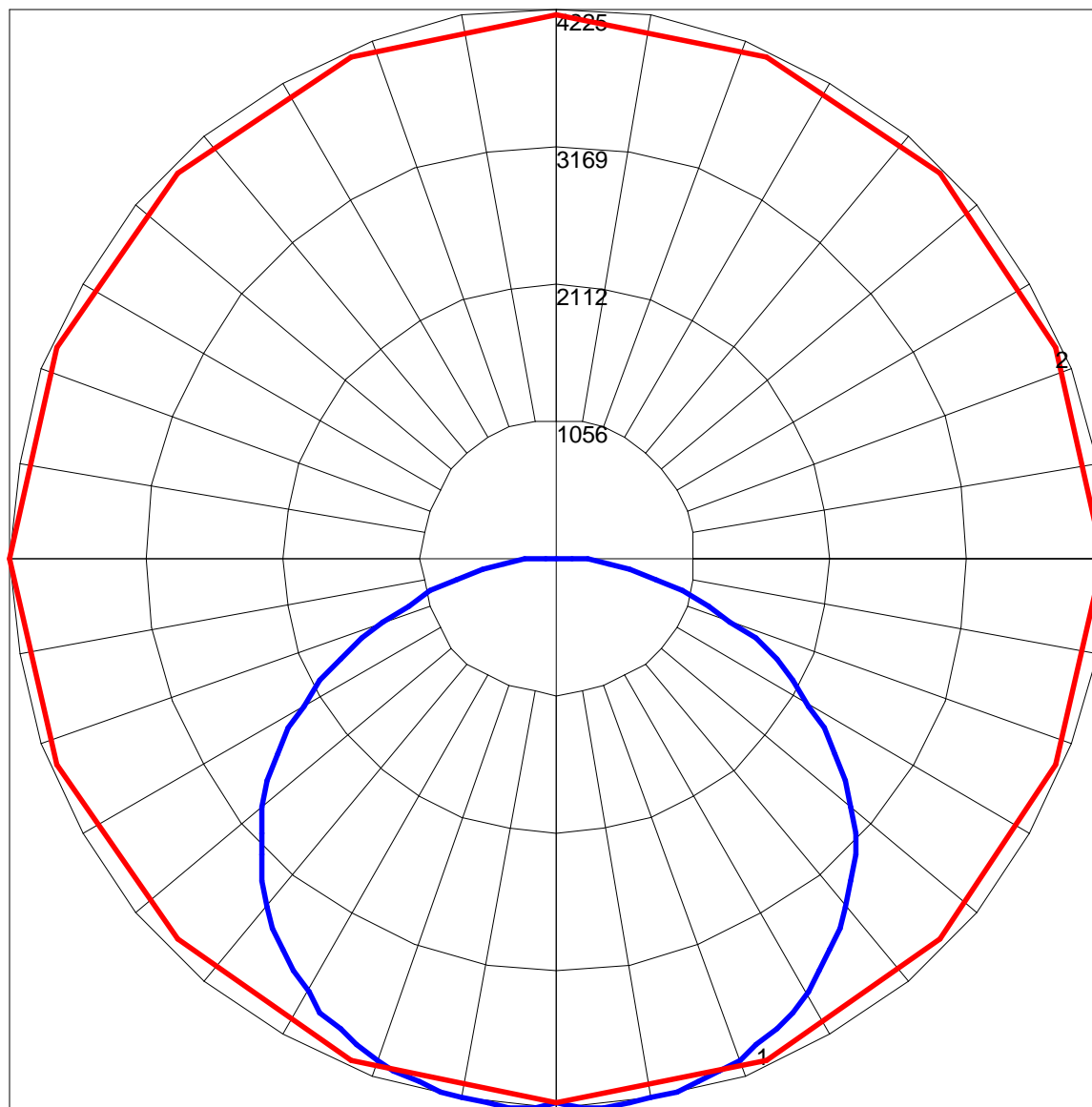
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4224.761 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.)