



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-180L-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-180L-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	18152
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	126.3
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	32979	32587	32314
55	32964	32506	32120
65	31549	30927	30502
75	27789	27040	26720
85	19361	21106	20789

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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	5574.239	5574.239	5574.239	5574.239	5574.239
2.5	5641.120	5587.101	5563.950	5566.522	5587.101
5.0	5646.264	5589.673	5569.094	5574.239	5592.245
7.5	5638.547	5584.528	5561.377	5571.667	5587.101
10.0	5625.686	5571.667	5548.516	5558.805	5571.667
12.5	5605.107	5548.516	5525.365	5535.654	5548.516
15.0	5574.239	5520.220	5497.069	5502.214	5515.076
17.5	5527.937	5481.635	5458.484	5461.057	5471.346
20.0	5473.918	5430.189	5409.610	5409.610	5419.899
22.5	5409.610	5368.453	5350.446	5347.874	5358.163
25.0	5335.012	5299.000	5280.993	5275.849	5286.138
27.5	5255.270	5214.113	5203.824	5190.962	5198.679
30.0	5154.949	5118.937	5108.647	5095.786	5100.930
32.5	5052.056	5016.043	5000.610	4982.603	4990.320
35.0	4933.729	4897.716	4882.282	4859.131	4874.565
37.5	4799.968	4769.100	4751.094	4727.943	4740.804
40.0	4655.917	4627.622	4609.615	4583.892	4586.464
42.5	4501.577	4473.282	4455.276	4419.263	4429.552
45.0	4336.948	4298.363	4285.502	4241.772	4249.489
47.5	4154.313	4118.300	4102.866	4051.420	4066.854
50.0	3958.816	3925.376	3902.225	3855.923	3868.784
52.5	3747.885	3711.872	3696.438	3644.992	3655.281
55.0	3516.375	3477.790	3467.501	3421.199	3426.344
57.5	3264.287	3246.280	3223.129	3187.117	3192.262
60.0	3012.198	3001.909	2963.324	2929.884	2937.601
62.5	2752.393	2744.676	2700.946	2670.079	2662.362
65.0	2479.726	2479.726	2430.852	2389.695	2397.412
67.5	2201.914	2201.914	2153.040	2114.455	2106.738
70.0	1918.958	1918.958	1862.367	1828.927	1828.927
72.5	1623.140	1623.140	1579.411	1558.832	1556.260
75.0	1337.612	1322.178	1301.599	1291.310	1286.165
77.5	1046.938	1034.077	1023.787	1023.787	1028.932
80.0	779.416	771.699	774.271	779.416	769.127
82.5	529.900	532.472	545.334	542.762	545.334
85.0	313.824	326.686	342.120	331.831	336.975
87.5	141.478	154.340	167.201	159.484	164.629
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	2092.16	N.A.	11.50
0-30	4533.25	N.A.	25.00
0-40	7590.72	N.A.	41.80
0-60	13978.66	N.A.	77.00
0-80	17766.27	N.A.	97.90
0-90	18151.77	N.A.	100.00
10-90	17619.04	N.A.	97.10
20-40	5498.56	N.A.	30.30
20-50	8798.65	N.A.	48.50
40-70	8792.00	N.A.	48.40
60-80	3787.61	N.A.	20.90
70-80	1383.55	N.A.	7.60
80-90	385.50	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	18151.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	532.73
10-20	1559.44
20-30	2441.09
30-40	3057.47
40-50	3300.09
50-60	3087.84
60-70	2404.06
70-80	1383.55
80-90	385.50
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

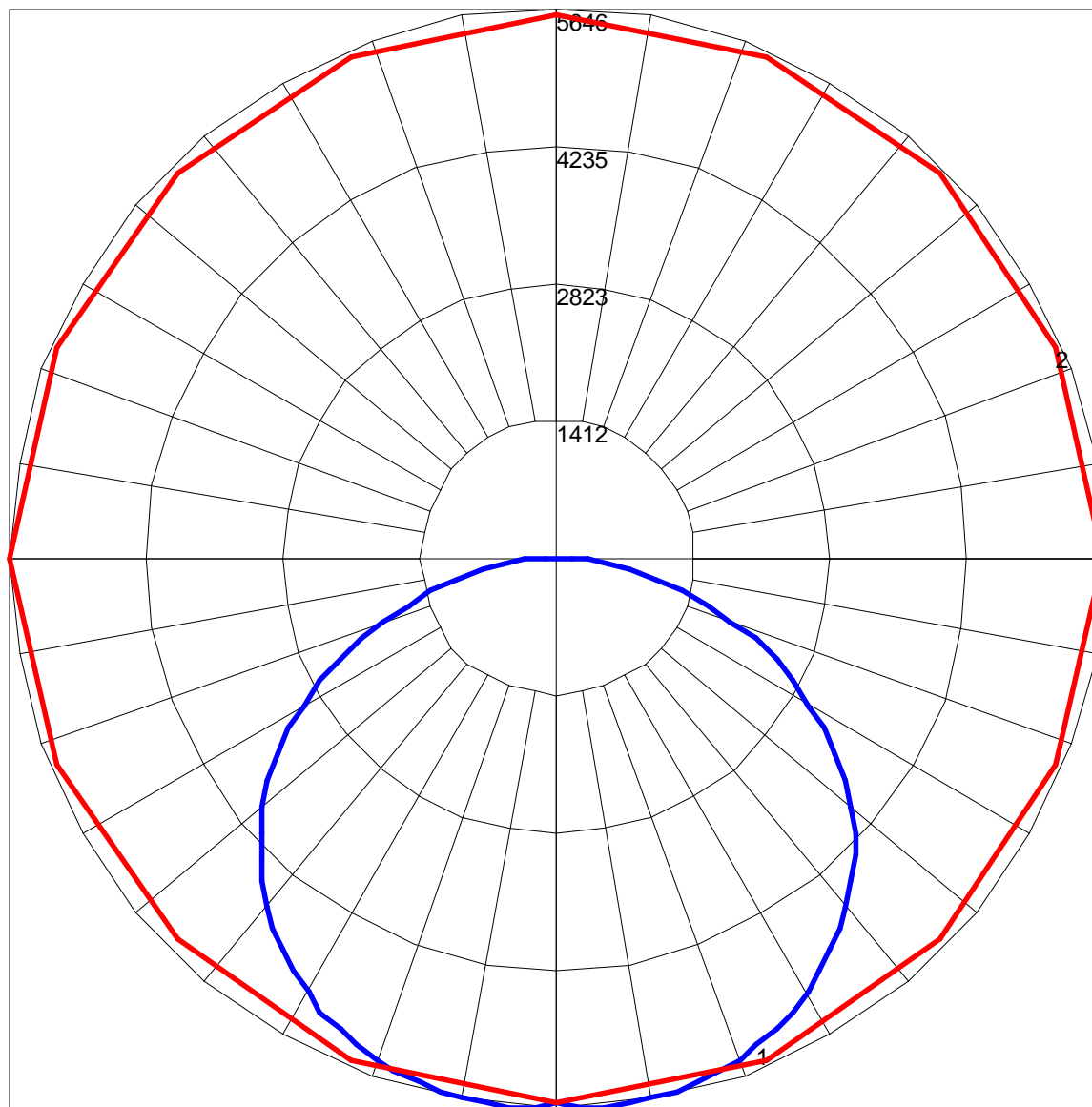
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 5646.264 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.)