



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : S8-LED-100L-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-100L-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	10093
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	69.7
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	18337	18120	17967
55	18329	18074	17860
65	17542	17197	16960
75	15451	15035	14857
85	10765	11736	11559

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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>
<b>0.0</b>	3099.438	3099.438	3099.438	3099.438	3099.438
<b>2.5</b>	3136.626	3106.590	3093.717	3095.148	3106.590
<b>5.0</b>	3139.487	3108.020	3096.578	3099.438	3109.450
<b>7.5</b>	3135.196	3105.160	3092.287	3098.008	3106.590
<b>10.0</b>	3128.044	3098.008	3085.135	3090.857	3098.008
<b>12.5</b>	3116.602	3085.135	3072.263	3077.984	3085.135
<b>15.0</b>	3099.438	3069.402	3056.530	3059.390	3066.542
<b>17.5</b>	3073.693	3047.948	3035.075	3036.506	3042.227
<b>20.0</b>	3043.657	3019.342	3007.900	3007.900	3013.621
<b>22.5</b>	3007.900	2985.015	2975.003	2973.573	2979.294
<b>25.0</b>	2966.421	2946.397	2936.385	2933.525	2939.246
<b>27.5</b>	2922.082	2899.198	2893.477	2886.325	2890.616
<b>30.0</b>	2866.301	2846.277	2840.556	2833.404	2836.265
<b>32.5</b>	2809.090	2789.065	2780.484	2770.472	2774.763
<b>35.0</b>	2743.296	2723.272	2714.690	2701.818	2710.400
<b>37.5</b>	2668.921	2651.758	2641.746	2628.873	2636.024
<b>40.0</b>	2588.825	2573.092	2563.080	2548.777	2550.207
<b>42.5</b>	2503.007	2487.274	2477.262	2457.238	2462.959
<b>45.0</b>	2411.469	2390.015	2382.863	2358.548	2362.839
<b>47.5</b>	2309.918	2289.894	2281.313	2252.707	2261.288
<b>50.0</b>	2201.216	2182.623	2169.750	2144.005	2151.156
<b>52.5</b>	2083.933	2063.908	2055.327	2026.721	2032.442
<b>55.0</b>	1955.206	1933.752	1928.031	1902.286	1905.146
<b>57.5</b>	1815.038	1805.026	1792.153	1772.129	1774.990
<b>60.0</b>	1674.870	1669.148	1647.694	1629.100	1633.391
<b>62.5</b>	1530.410	1526.119	1501.804	1484.641	1480.350
<b>65.0</b>	1378.800	1378.800	1351.624	1328.739	1333.030
<b>67.5</b>	1224.328	1224.328	1197.153	1175.698	1171.407
<b>70.0</b>	1066.996	1066.996	1035.530	1016.936	1016.936
<b>72.5</b>	902.513	902.513	878.198	866.756	865.325
<b>75.0</b>	743.751	735.169	723.727	718.006	715.145
<b>77.5</b>	582.128	574.977	569.255	569.255	572.116
<b>80.0</b>	433.378	429.087	430.517	433.378	427.657
<b>82.5</b>	294.640	296.070	303.221	301.791	303.221
<b>85.0</b>	174.495	181.647	190.229	184.507	187.368
<b>87.5</b>	78.666	85.817	92.969	88.678	91.539
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1163.3	N.A.	11.50
0-30	2520.62	N.A.	25.00
0-40	4220.66	N.A.	41.80
0-60	7772.54	N.A.	77.00
0-80	9878.56	N.A.	97.90
0-90	10092.91	N.A.	100.00
10-90	9796.7	N.A.	97.10
20-40	3057.36	N.A.	30.30
20-50	4892.31	N.A.	48.50
40-70	4888.6	N.A.	48.40
60-80	2106.02	N.A.	20.90
70-80	769.29	N.A.	7.60
80-90	214.35	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	10092.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	296.21
10-20	867.09
20-30	1357.32
30-40	1700.04
40-50	1834.95
50-60	1716.93
60-70	1336.73
70-80	769.29
80-90	214.35
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

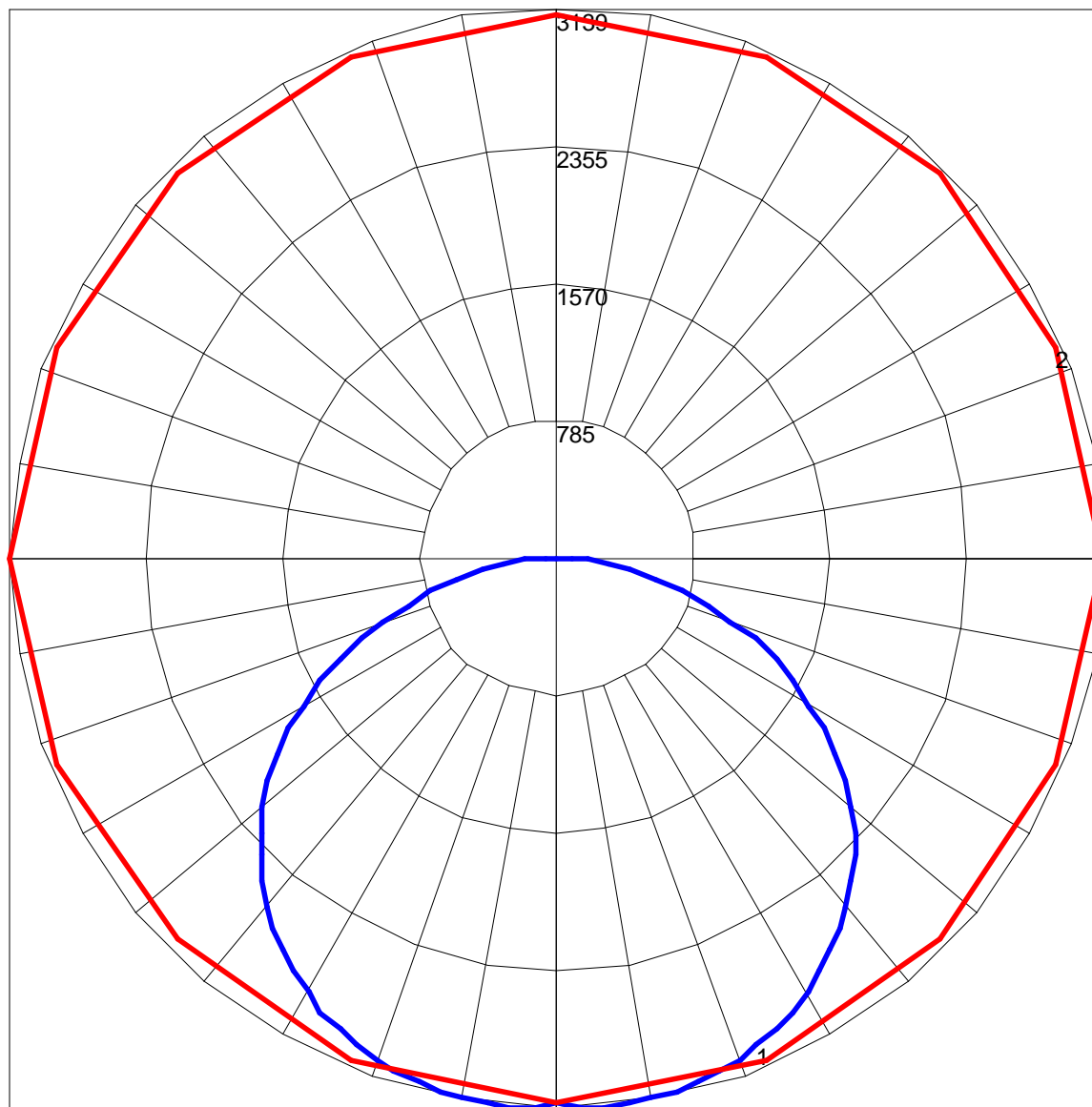
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 3139.487 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.)