



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-100L-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-100L-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	9727
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
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	17672	17462	17316
55	17664	17419	17212
65	16906	16573	16345
75	14891	14490	14318
85	10375	11310	11140

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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	2987.036	2987.036	2987.036	2987.036	2987.036
2.5	3022.875	2993.928	2981.522	2982.901	2993.928
5.0	3025.632	2995.307	2984.279	2987.036	2996.685
7.5	3021.497	2992.550	2980.144	2985.658	2993.928
10.0	3014.605	2985.658	2973.252	2978.766	2985.658
12.5	3003.577	2973.252	2960.846	2966.360	2973.252
15.0	2987.036	2958.089	2945.684	2948.440	2955.332
17.5	2962.225	2937.413	2925.007	2926.386	2931.899
20.0	2933.278	2909.845	2898.817	2898.817	2904.331
22.5	2898.817	2876.763	2867.114	2865.735	2871.249
25.0	2858.843	2839.545	2829.896	2827.139	2832.653
27.5	2816.112	2794.057	2788.544	2781.652	2785.787
30.0	2762.354	2743.056	2737.542	2730.650	2733.407
32.5	2707.217	2687.919	2679.648	2670.000	2674.135
35.0	2643.810	2624.512	2616.241	2603.835	2612.106
37.5	2572.132	2555.591	2545.942	2533.536	2540.428
40.0	2494.940	2479.778	2470.129	2456.344	2457.723
42.5	2412.235	2397.072	2387.423	2368.126	2373.639
45.0	2324.016	2303.340	2296.448	2273.015	2277.150
47.5	2226.148	2206.850	2198.580	2171.011	2179.282
50.0	2121.388	2103.469	2091.063	2066.252	2073.144
52.5	2008.358	1989.060	1980.790	1953.221	1958.735
55.0	1884.300	1863.624	1858.110	1833.299	1836.055
57.5	1749.215	1739.566	1727.160	1707.862	1710.619
60.0	1614.130	1608.616	1587.940	1570.020	1574.156
62.5	1474.909	1470.774	1447.341	1430.800	1426.665
65.0	1328.797	1328.797	1302.607	1280.552	1284.687
67.5	1179.928	1179.928	1153.738	1133.061	1128.926
70.0	1028.301	1028.301	997.976	980.057	980.057
72.5	869.783	869.783	846.350	835.323	833.944
75.0	716.778	708.508	697.481	691.967	689.210
77.5	561.017	554.125	548.611	548.611	551.368
80.0	417.661	413.526	414.904	417.661	412.148
82.5	283.955	285.333	292.225	290.847	292.225
85.0	168.167	175.059	183.330	177.816	180.573
87.5	75.813	82.705	89.597	85.462	88.219
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	1121.11	N.A.	11.50
0-30	2429.21	N.A.	25.00
0-40	4067.6	N.A.	41.80
0-60	7490.66	N.A.	77.00
0-80	9520.31	N.A.	97.90
0-90	9726.89	N.A.	100.00
10-90	9441.42	N.A.	97.10
20-40	2946.48	N.A.	30.30
20-50	4714.89	N.A.	48.50
40-70	4711.32	N.A.	48.40
60-80	2029.64	N.A.	20.90
70-80	741.39	N.A.	7.60
80-90	206.58	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	9726.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	285.47
10-20	835.65
20-30	1308.09
30-40	1638.39
40-50	1768.4
50-60	1654.66
60-70	1288.25
70-80	741.39
80-90	206.58
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

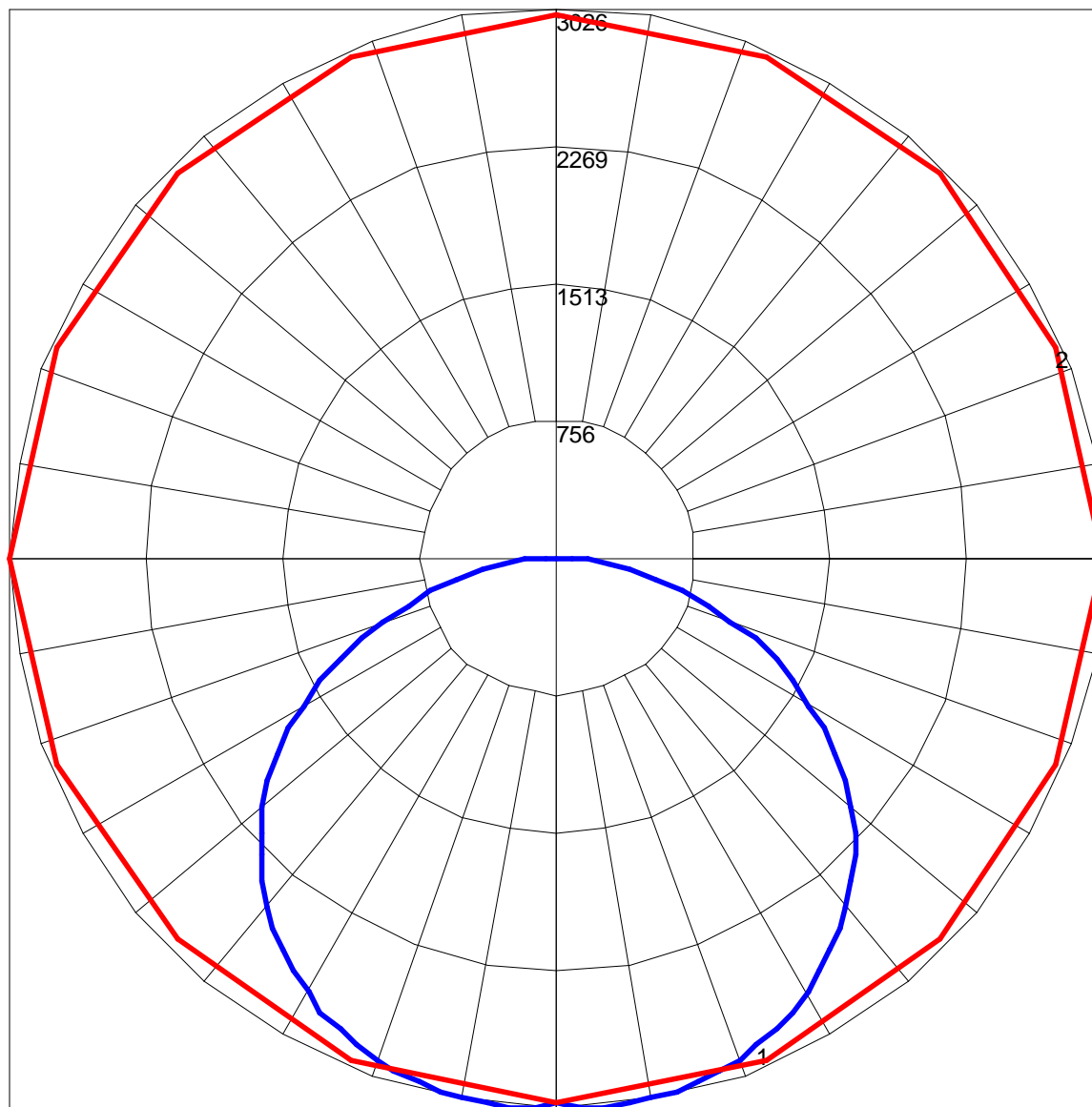
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3025.632 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.)