



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-50-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-10492_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]09/21/18
[TEST DATE]08/07/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]EXN-EGLED-11L-T5W-50-70CRI
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]SCALED FROM ORIGINAL TEST DATA
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11130
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	87
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	3.96
Spacing Criterion (90-270)	4.04
Spacing Criterion (Diagonal)	3.60
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.08 ft (Diameter)
Luminous Width (90-270)	1.08 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	37382	37616	37558
55	54145	55699	55988
65	71621	74613	75496
75	78419	81543	82504
85	51618	51618	51856

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	492.226	492.226	492.226	492.226	492.226	492.226	492.226	492.226	492.226	492.226
2.5	494.003	494.003	494.003	494.003	494.003	494.003	494.003	494.003	492.226	494.003
5.0	511.773	511.773	513.550	513.550	513.550	511.773	511.773	511.773	511.773	511.773
7.5	545.536	547.313	549.090	549.090	547.313	545.536	545.536	545.536	545.536	545.536
10.0	593.515	595.292	597.069	597.069	597.069	593.515	593.515	591.738	593.515	595.292
12.5	659.263	661.040	662.817	662.817	662.817	659.263	657.486	657.486	659.263	662.817
15.0	741.005	744.559	746.336	746.336	744.559	741.005	739.228	741.005	741.005	744.559
17.5	842.293	842.293	842.293	840.516	840.516	840.516	836.962	840.516	840.516	840.516
20.0	959.575	956.021	956.021	952.467	950.690	952.467	952.467	950.690	954.244	950.690
22.5	1083.964	1082.187	1080.410	1076.856	1076.856	1076.856	1080.410	1078.633	1078.633	1075.079
25.0	1219.015	1217.238	1215.461	1213.684	1213.684	1215.461	1213.684	1213.684	1217.238	1211.907
27.5	1362.951	1362.951	1361.174	1357.620	1355.843	1355.843	1355.843	1355.843	1357.620	1355.843
30.0	1506.888	1508.665	1505.111	1505.111	1503.334	1505.111	1499.780	1499.780	1501.557	1505.111
32.5	1647.270	1649.047	1650.824	1652.601	1650.824	1645.493	1640.162	1638.385	1641.939	1645.493
35.0	1782.321	1785.875	1791.206	1796.537	1789.429	1784.098	1775.213	1773.436	1780.544	1784.098
37.5	1913.818	1917.372	1926.257	1929.811	1924.480	1915.595	1904.933	1904.933	1912.041	1915.595
40.0	2039.985	2043.539	2054.201	2057.754	2048.870	2039.985	2031.100	2029.323	2034.654	2041.762
42.5	2157.266	2166.151	2173.259	2175.036	2169.705	2160.820	2148.381	2148.381	2153.712	2160.820
45.0	2265.662	2276.324	2288.763	2288.763	2286.986	2279.878	2262.108	2260.331	2272.770	2278.101
47.5	2379.390	2384.721	2409.599	2406.045	2404.268	2402.491	2377.613	2374.059	2400.714	2398.937
50.0	2484.232	2489.563	2525.103	2521.549	2521.549	2523.326	2489.563	2489.563	2525.103	2519.772
52.5	2583.744	2594.405	2637.053	2635.276	2637.053	2642.384	2599.736	2599.736	2647.715	2642.384
55.0	2661.931	2677.924	2731.234	2733.011	2738.342	2738.342	2688.586	2690.363	2747.227	2750.781
57.5	2708.133	2731.234	2795.205	2805.867	2807.644	2807.644	2747.227	2750.781	2821.860	2830.745
60.0	2713.464	2741.896	2814.752	2825.414	2830.745	2830.745	2761.443	2770.327	2848.515	2859.177
62.5	2677.924	2706.356	2777.435	2788.097	2795.205	2798.759	2731.234	2741.896	2816.529	2825.414
65.0	2594.405	2615.729	2683.255	2697.471	2704.579	2702.802	2642.384	2654.823	2722.349	2736.565
67.5	2452.246	2471.793	2539.319	2553.535	2562.420	2558.866	2498.448	2509.110	2578.413	2594.405
70.0	2253.223	2278.101	2342.073	2356.289	2363.397	2361.620	2294.094	2304.756	2375.836	2391.829
72.5	2016.884	2032.877	2098.625	2107.510	2112.841	2109.287	2054.201	2066.639	2121.726	2137.719
75.0	1739.673	1750.335	1800.091	1810.753	1812.530	1808.976	1769.882	1782.321	1824.969	1823.192
77.5	1426.923	1425.146	1451.801	1437.585	1457.132	1473.125	1450.024	1458.909	1485.564	1471.348
80.0	1085.741	1082.187	1080.410	1078.633	1078.633	1107.065	1101.734	1110.619	1108.842	1099.957
82.5	732.120	721.458	717.904	719.681	719.681	730.343	744.559	741.005	730.343	728.566
85.0	385.607	383.830	383.830	387.384	387.384	385.607	399.823	385.607	390.938	392.715
87.5	111.950	120.835	120.835	122.612	122.612	120.835	119.058	113.727	124.389	124.389
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	492.226
2.5	494.003
5.0	513.550
7.5	547.313
10.0	597.069
12.5	662.817
15.0	742.782
17.5	838.739
20.0	950.690
22.5	1075.079
25.0	1211.907
27.5	1354.066
30.0	1499.780

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CANDELA TABULATION - (Cont.)

32.5	1640.162
35.0	1785.875
37.5	1915.595
40.0	2043.539
42.5	2157.266
45.0	2276.324
47.5	2397.160
50.0	2517.995
52.5	2640.607
55.0	2752.558
57.5	2832.522
60.0	2860.954
62.5	2825.414
65.0	2734.788
67.5	2594.405
70.0	2393.606
72.5	2137.719
75.0	1830.300
77.5	1483.787
80.0	1085.741
82.5	723.235
85.0	387.384
87.5	122.612
90.0	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	270.63	N.A.	2.40
0-30	842.71	N.A.	7.60
0-40	1967.5	N.A.	17.70
0-60	6160.24	N.A.	55.30
0-80	10644.86	N.A.	95.60
0-90	11130.08	N.A.	100.00
10-90	11078.5	N.A.	99.50
20-40	1696.87	N.A.	15.20
20-50	3465.68	N.A.	31.10
40-70	6813.59	N.A.	61.20
60-80	4484.62	N.A.	40.30
70-80	1863.77	N.A.	16.70
80-90	485.22	N.A.	4.40
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	11130.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.58
10-20	219.05
20-30	572.08
30-40	1124.79
40-50	1768.81
50-60	2423.93
60-70	2620.85
70-80	1863.77
80-90	485.22
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

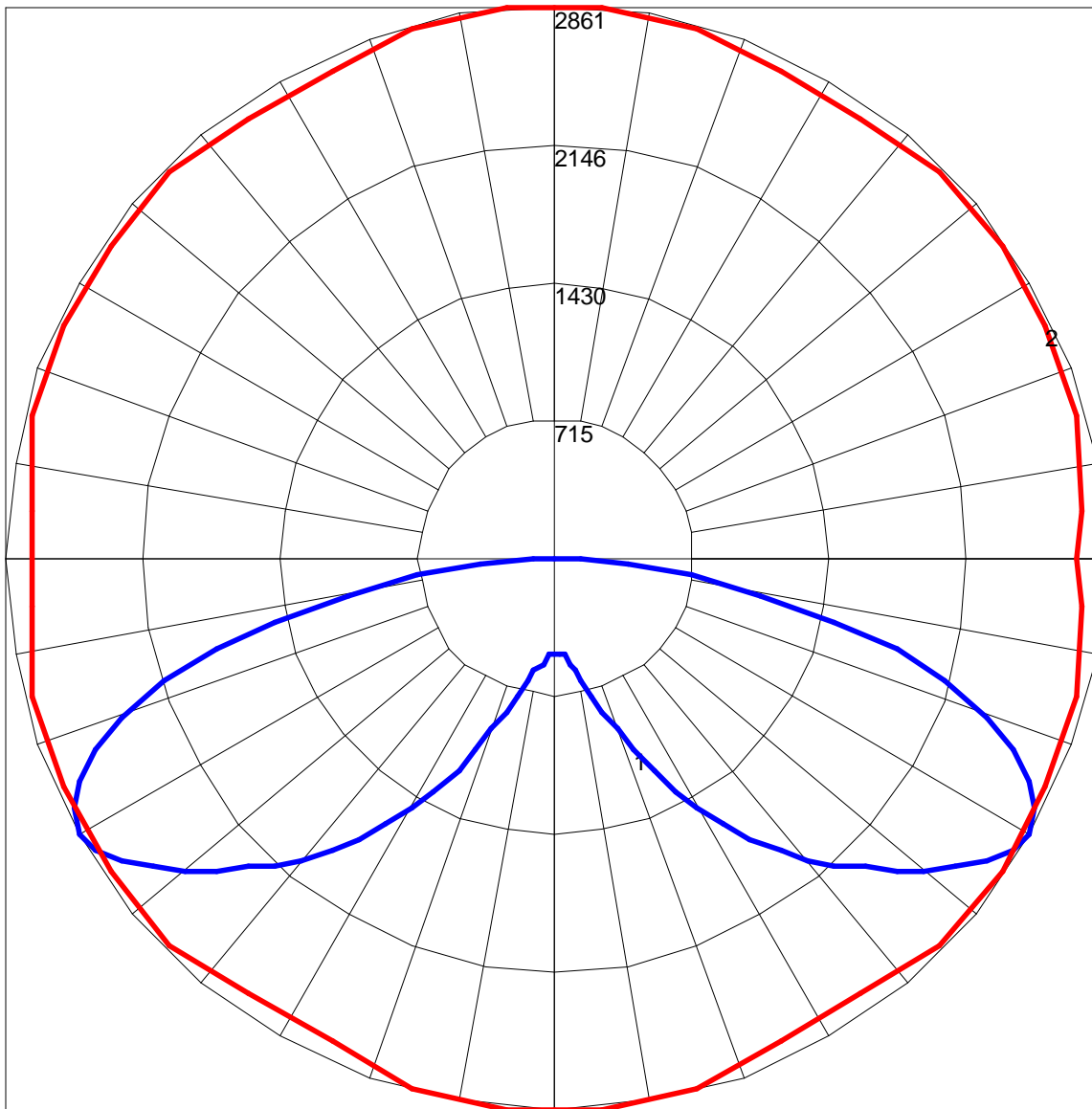
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	98	92	86	101	95	90	85	91	86	82	87	83	80	83	80	77	75
2	91	80	71	63	88	78	70	62	74	67	61	71	65	59	68	62	58	55
3	81	67	56	48	78	65	55	47	62	53	46	59	51	45	56	50	44	42
4	72	57	46	37	69	55	45	37	52	43	36	50	42	35	47	41	35	32
5	65	49	38	29	62	48	37	29	45	36	29	43	35	28	41	34	28	25
6	59	43	32	24	57	42	31	24	40	30	23	38	29	23	36	29	23	20
7	54	38	27	20	52	37	27	20	35	26	19	33	25	19	32	25	19	17
8	49	34	24	17	48	33	23	17	31	23	16	30	22	16	29	21	16	14
9	46	30	21	14	44	30	20	14	28	20	14	27	19	14	26	19	14	12
10	43	27	18	12	41	27	18	12	26	18	12	25	17	12	24	17	12	10

POLAR GRAPH



Maximum Candela = 2860.954 Located At Horizontal Angle = 90, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)