



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-40-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-10408
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]09/21/18
[TEST DATE]07/19/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]EXN-EGLED-11L-T5W-40-70CRI
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11134
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)	4.00
Spacing Criterion (90-270)	4.00
Spacing Criterion (Diagonal)	3.62
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	38212	37668	36991
55	55061	55488	54960
65	72383	74922	72410
75	78975	81905	80372
85	51269	53946	55151

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-40-70CRI.IES

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	485	485	485	485	485	485	485	485	485	485
2.5	487	487	487	487	487	486	486	486	486	486
5.0	504	504	505	505	504	503	503	503	503	503
7.5	536	536	538	538	537	536	534	534	535	535
10.0	582	585	585	586	585	581	579	579	580	581
12.5	649	648	651	650	648	645	642	639	641	642
15.0	731	732	732	731	728	725	720	719	720	720
17.5	835	832	831	827	823	820	818	816	814	812
20.0	948	945	944	938	934	931	930	926	922	919
22.5	1075	1072	1072	1065	1060	1059	1052	1051	1044	1040
25.0	1214	1214	1211	1204	1197	1193	1189	1184	1179	1173
27.5	1364	1363	1357	1350	1342	1339	1332	1326	1318	1312
30.0	1516	1519	1506	1500	1497	1485	1478	1471	1464	1462
32.5	1666	1670	1664	1657	1645	1632	1623	1614	1606	1604
35.0	1810	1815	1811	1804	1790	1776	1763	1752	1746	1747
37.5	1949	1955	1954	1950	1932	1911	1896	1885	1878	1879
40.0	2081	2091	2084	2082	2066	2041	2024	2010	2003	2007
42.5	2208	2212	2210	2207	2191	2164	2141	2127	2120	2125
45.0	2316	2328	2332	2330	2313	2283	2253	2237	2239	2243
47.5	2424	2435	2455	2451	2433	2404	2364	2342	2358	2361
50.0	2528	2542	2573	2570	2552	2525	2469	2453	2475	2479
52.5	2626	2647	2682	2685	2670	2635	2572	2555	2585	2597
55.0	2707	2731	2777	2787	2774	2728	2657	2639	2681	2699
57.5	2755	2786	2844	2855	2839	2794	2713	2695	2748	2769
60.0	2762	2801	2870	2865	2850	2821	2729	2711	2777	2781
62.5	2718	2764	2844	2821	2805	2798	2694	2677	2752	2737
65.0	2622	2674	2758	2730	2715	2714	2607	2590	2670	2648
67.5	2475	2532	2616	2589	2576	2575	2468	2452	2530	2512
70.0	2278	2343	2416	2394	2382	2372	2275	2263	2338	2321
72.5	2032	2103	2162	2144	2126	2115	2048	2033	2082	2071
75.0	1752	1824	1851	1848	1823	1817	1776	1763	1785	1774
77.5	1434	1503	1503	1494	1478	1481	1464	1454	1454	1439
80.0	1096	1147	1128	1114	1120	1124	1120	1113	1104	1092
82.5	748	767	745	749	749	750	764	760	748	735
85.0	383	408	401	406	408	403	404	419	410	407
87.5	117	122	126	130	135	133	133	136	143	150
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	485
2.5	486
5.0	504
7.5	535
10.0	581
12.5	642
15.0	719
17.5	811
20.0	917
22.5	1038
25.0	1171
27.5	1318
30.0	1461

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-40-70CRI.IES

CANDELA TABULATION - (Cont.)

32.5	1603
35.0	1748
37.5	1878
40.0	2001
42.5	2121
45.0	2242
47.5	2364
50.0	2485
52.5	2600
55.0	2702
57.5	2763
60.0	2762
62.5	2711
65.0	2623
67.5	2499
70.0	2321
72.5	2085
75.0	1783
77.5	1438
80.0	1095
82.5	742
85.0	412
87.5	152
90.0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-40-70CRI.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	264.66	N.A.	2.40
0-30	827.44	N.A.	7.40
0-40	1948.43	N.A.	17.50
0-60	6141.93	N.A.	55.20
0-80	10630.72	N.A.	95.50
0-90	11134.00	N.A.	100.00
10-90	11083.4	N.A.	99.50
20-40	1683.77	N.A.	15.10
20-50	3456.42	N.A.	31.00
40-70	6808.19	N.A.	61.10
60-80	4488.8	N.A.	40.30
70-80	1874.11	N.A.	16.80
80-90	503.28	N.A.	4.50
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	11134.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.61
10-20	214.05
20-30	562.78
30-40	1120.98
40-50	1772.65
50-60	2420.85
60-70	2614.69
70-80	1874.11
80-90	503.28
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

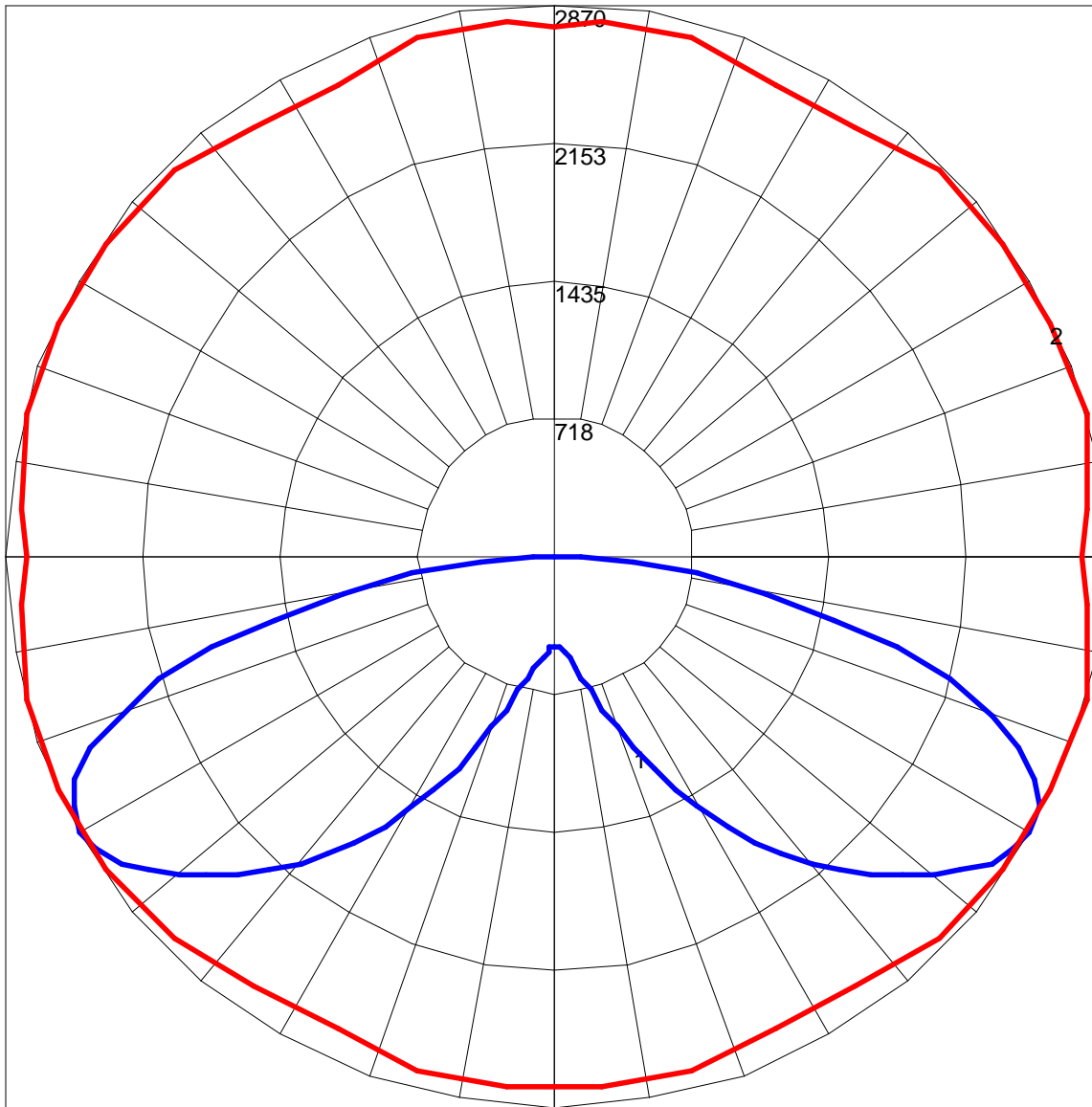
IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-11L-T5W-40-70CRI.IES

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	79	83	80	77	75
2	91	80	71	63	88	78	70	62	74	67	61	71	65	59	67	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	45	37	69	55	45	37	52	43	36	50	42	35	47	40	35	32
5	65	49	38	29	62	47	37	29	45	36	29	43	35	28	41	34	28	25
6	59	42	32	24	57	41	31	24	39	30	23	38	29	23	36	28	23	20
7	54	38	27	20	52	37	27	20	35	26	19	33	25	19	32	24	19	17
8	49	33	23	17	48	33	23	16	31	23	16	30	22	16	29	21	16	14
9	46	30	21	14	44	29	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 = 2870 Located At Horizontal Angle = 15, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)