



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5W-40-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-10493
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]09/21/18
[TEST DATE]08/07/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]EXN-EGLED-08L-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	8230
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	60
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	27653	27768	27768
55	40030	41128	41332
65	52976	55267	55874
75	57788	60718	61034
85	39891	39623	38418

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-08L-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	363	363	363	363	363	363	363	363	363	363
2.5	364	364	364	364	364	364	364	364	364	363
5.0	378	378	378	377	377	378	378	378	378	378
7.5	403	403	404	404	403	403	403	402	403	403
10.0	438	439	440	441	440	439	438	437	438	439
12.5	486	487	488	490	489	486	485	485	486	488
15.0	547	547	550	550	549	546	545	545	547	547
17.5	618	621	622	621	620	619	617	616	621	620
20.0	701	705	706	703	703	704	701	700	703	702
22.5	797	797	798	796	796	796	791	793	795	794
25.0	897	897	898	897	897	895	893	895	894	896
27.5	1007	1002	1002	1002	1002	999	1000	1002	998	1000
30.0	1112	1112	1111	1109	1108	1105	1107	1108	1109	1106
32.5	1216	1219	1219	1215	1216	1215	1213	1211	1213	1210
35.0	1318	1320	1323	1324	1320	1319	1313	1311	1316	1316
37.5	1415	1417	1420	1425	1420	1416	1409	1408	1413	1417
40.0	1509	1510	1515	1519	1512	1507	1501	1500	1503	1507
42.5	1595	1596	1604	1606	1601	1593	1589	1586	1591	1595
45.0	1676	1680	1691	1692	1690	1683	1671	1668	1677	1683
47.5	1752	1759	1779	1778	1776	1773	1754	1752	1771	1772
50.0	1833	1840	1866	1864	1863	1865	1835	1837	1863	1862
52.5	1909	1916	1948	1946	1947	1950	1919	1921	1954	1951
55.0	1968	1978	2017	2019	2021	2022	1987	1989	2031	2031
57.5	2002	2018	2066	2070	2074	2074	2030	2034	2085	2090
60.0	2006	2026	2081	2086	2091	2092	2041	2048	2106	2112
62.5	1980	2000	2054	2061	2067	2069	2017	2026	2084	2089
65.0	1919	1937	1986	1995	2001	2002	1956	1966	2017	2026
67.5	1817	1832	1877	1890	1894	1894	1852	1862	1909	1918
70.0	1679	1687	1731	1743	1748	1745	1702	1708	1761	1770
72.5	1487	1506	1549	1558	1563	1563	1520	1525	1577	1581
75.0	1282	1288	1330	1338	1342	1347	1305	1315	1348	1356
77.5	1051	1053	1079	1089	1085	1088	1070	1078	1099	1095
80.0	800	799	812	810	811	817	813	819	827	819
82.5	542	539	535	530	544	545	551	554	552	544
85.0	298	295	282	285	291	296	296	303	288	289
87.5	91	88	88	89	89	89	91	88	90	91
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	363
2.5	363
5.0	377
7.5	403
10.0	438
12.5	489
15.0	549
17.5	620
20.0	702
22.5	794
25.0	896
27.5	1001
30.0	1107

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5W-40-70CRI.IES

CANDELA TABULATION - (Cont.)

32.5	1212
35.0	1315
37.5	1416
40.0	1505
42.5	1595
45.0	1683
47.5	1771
50.0	1861
52.5	1950
55.0	2032
57.5	2092
60.0	2115
62.5	2090
65.0	2024
67.5	1920
70.0	1771
72.5	1581
75.0	1354
77.5	1099
80.0	814
82.5	534
85.0	287
87.5	90
90.0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5W-40-70CRI.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	199.52	N.A.	2.40
0-30	621.33	N.A.	7.50
0-40	1451.81	N.A.	17.60
0-60	4548.29	N.A.	55.30
0-80	7867.92	N.A.	95.60
0-90	8229.99	N.A.	100.00
10-90	8191.95	N.A.	99.50
20-40	1252.28	N.A.	15.20
20-50	2558.3	N.A.	31.10
40-70	5035.56	N.A.	61.20
60-80	3319.64	N.A.	40.30
70-80	1380.55	N.A.	16.80
80-90	362.06	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	8229.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	38.03
10-20	161.49
20-30	421.81
30-40	830.48
40-50	1306.01
50-60	1790.47
60-70	1939.09
70-80	1380.55
80-90	362.06
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

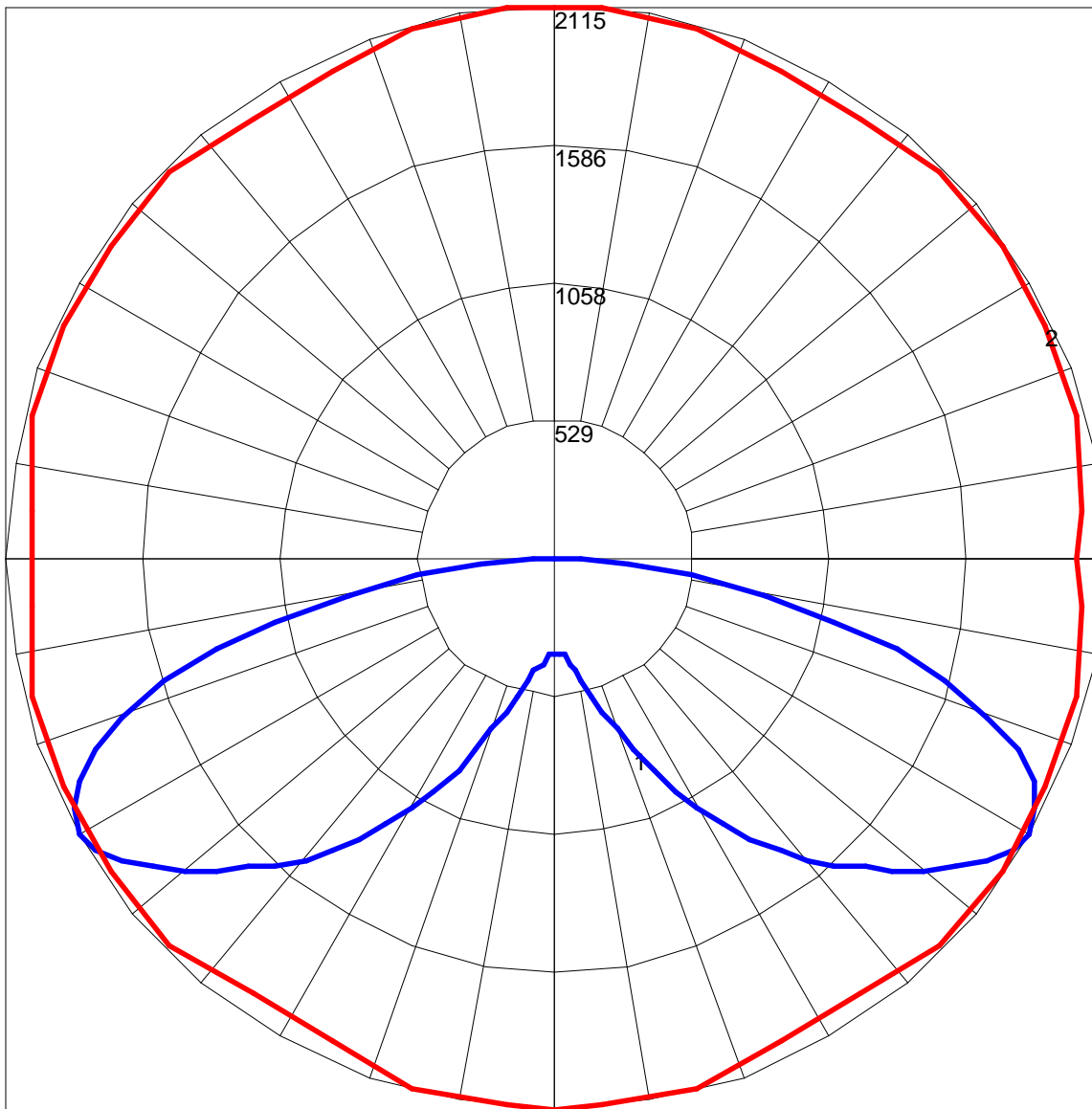
IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5W-40-70CRI.IES

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	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	45	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	39	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 = 2115 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.)