



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5WU-40-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11026

[TESTLAB] LSI INDUSTRIES, INC

[ISSUE DATE] 06/13/19

[TEST DATE] 04/29/19

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] EXN-EGLED-08L-T5WU-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	8524
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	64
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	4.20
Spacing Criterion (90-270)	4.18
Spacing Criterion (Diagonal)	3.74
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.08 ft (Diameter)
Luminous Width (90-270)	1.08 ft (Diameter)
Luminous Height	0.33 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19620	19501	19347
55	26007	25916	25786
65	30019	29869	29674
75	24954	24643	24735
85	7771	7453	7209

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5WU-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	321	321	321	321	321	321	321	321	321	321
2.5	322	322	323	323	322	322	322	322	322	322
5.0	334	334	335	335	334	334	334	334	333	334
7.5	356	356	356	357	357	355	355	355	355	355
10.0	387	388	389	389	389	386	386	385	385	387
12.5	428	431	432	432	432	430	427	428	428	429
15.0	486	486	486	487	486	485	481	482	483	483
17.5	557	554	553	553	552	551	549	550	549	548
20.0	636	632	631	631	630	629	630	629	625	624
22.5	726	722	721	721	720	720	721	719	715	713
25.0	827	824	821	821	820	820	820	817	813	811
27.5	935	934	929	928	926	927	926	923	921	916
30.0	1048	1046	1040	1038	1036	1040	1036	1033	1031	1026
32.5	1160	1157	1154	1153	1149	1151	1145	1141	1140	1137
35.0	1268	1265	1266	1266	1262	1259	1252	1248	1247	1245
37.5	1371	1368	1374	1375	1369	1363	1353	1348	1350	1350
40.0	1469	1467	1475	1472	1469	1460	1450	1445	1447	1446
42.5	1562	1561	1568	1564	1561	1555	1539	1536	1540	1539
45.0	1655	1651	1657	1655	1653	1645	1626	1626	1630	1630
47.5	1748	1740	1744	1748	1746	1734	1721	1716	1717	1721
50.0	1834	1830	1832	1840	1837	1821	1810	1804	1805	1812
52.5	1919	1917	1918	1927	1924	1905	1898	1891	1891	1897
55.0	1994	1994	1999	2009	2004	1987	1969	1962	1967	1977
57.5	2050	2047	2059	2073	2066	2045	2021	2013	2023	2037
60.0	2075	2070	2086	2100	2093	2069	2044	2035	2046	2062
62.5	2059	2056	2068	2082	2075	2051	2030	2020	2029	2044
65.0	2001	1997	2009	2021	2015	1991	1974	1961	1969	1984
67.5	1894	1893	1907	1920	1915	1887	1870	1857	1869	1885
70.0	1745	1749	1768	1777	1771	1749	1720	1711	1732	1744
72.5	1572	1569	1589	1595	1588	1566	1535	1529	1545	1562
75.0	1363	1349	1370	1373	1371	1346	1326	1322	1333	1341
77.5	1120	1112	1119	1108	1113	1103	1092	1089	1092	1085
80.0	851	848	841	826	825	834	831	828	826	816
82.5	577	568	560	551	547	556	561	560	551	534
85.0	318	307	306	300	297	305	309	309	296	290
87.5	101	102	102	100	99	99	99	91	99	97
90.0	10	10	10	11	11	11	10	11	11	11
92.5	11	11	11	11	11	12	11	11	12	12
95.0	13	13	13	14	14	14	14	14	14	14
97.5	17	17	16	17	17	17	17	17	17	17
100.0	20	20	20	20	21	21	21	21	21	21
102.5	24	24	24	24	24	24	24	24	25	25
105.0	27	28	28	28	28	29	29	29	29	28
107.5	32	32	32	32	33	33	33	33	33	33
110.0	37	37	37	37	37	38	38	38	37	38
112.5	42	42	42	42	42	43	43	43	43	44
115.0	49	48	48	47	47	47	48	48	49	49
117.5	54	54	55	53	53	53	53	54	55	55
120.0	60	60	60	60	58	60	60	61	61	61
122.5	67	67	66	66	65	68	66	67	67	67
125.0	74	73	72	73	72	75	73	74	73	74
127.5	81	80	78	81	79	82	79	81	80	80
130.0	87	86	85	88	86	88	86	88	86	87
132.5	94	93	92	96	93	95	92	94	93	95

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5WU-40-70CRI.IES

CANDELA TABULATION - (Cont.)

135.0	101	99	99	103	100	102	98	101	100	102
137.5	108	106	105	108	106	109	104	108	108	108
140.0	113	111	112	115	112	113	109	116	115	115
142.5	121	118	117	119	116	118	117	122	118	122
145.0	122	121	119	122	118	121	121	127	126	129
147.5	124	123	117	125	124	127	122	125	131	128
150.0	125	125	116	124	123	127	126	129	133	127
152.5	124	124	118	119	122	126	130	130	129	129
155.0	126	120	113	113	123	122	124	126	128	126
157.5	123	122	116	112	124	122	122	120	122	123
160.0	120	117	111	110	121	123	114	117	123	118
162.5	107	111	107	109	118	119	110	112	114	110
165.0	104	104	100	104	117	118	110	108	106	109
167.5	88	91	96	101	107	105	104	103	100	96
170.0	88	90	93	84	93	85	83	87	89	90
172.5	79	78	82	83	88	80	75	74	81	83
175.0	78	77	70	65	67	70	70	66	68	68
177.5	44	40	39	45	39	47	44	47	43	44
180.0	28	28	28	28	28	28	28	28	28	28

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	321
2.5	322
5.0	334
7.5	357
10.0	388
12.5	430
15.0	483
17.5	548
20.0	625
22.5	713
25.0	811
27.5	915
30.0	1023
32.5	1131
35.0	1240
37.5	1356
40.0	1453
42.5	1544
45.0	1632
47.5	1720
50.0	1808
52.5	1895
55.0	1977
57.5	2043
60.0	2068
62.5	2045
65.0	1978
67.5	1877
70.0	1745
72.5	1567
75.0	1351
77.5	1093
80.0	811

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5WU-40-70CRI.IES

CANDELA TABULATION - (Cont.)

82.5	543
85.0	295
87.5	99
90.0	11
92.5	12
95.0	14
97.5	17
100.0	21
102.5	25
105.0	28
107.5	33
110.0	38
112.5	44
115.0	49
117.5	56
120.0	61
122.5	68
125.0	74
127.5	82
130.0	89
132.5	96
135.0	103
137.5	110
140.0	118
142.5	125
145.0	130
147.5	130
150.0	125
152.5	127
155.0	125
157.5	126
160.0	117
162.5	107
165.0	111
167.5	100
170.0	91
172.5	81
175.0	67
177.5	44
180.0	28

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5WU-40-70CRI.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	176.93	N.A.	2.10
0-30	563.88	N.A.	6.60
0-40	1356.38	N.A.	15.90
0-60	4401.02	N.A.	51.60
0-80	7743.15	N.A.	90.80
0-90	8117.48	N.A.	95.20
10-90	8083.89	N.A.	94.80
20-40	1179.45	N.A.	13.80
20-50	2454.44	N.A.	28.80
40-70	4987.65	N.A.	58.50
60-80	3342.13	N.A.	39.20
70-80	1399.11	N.A.	16.40
80-90	374.33	N.A.	4.40
90-110	45.90	N.A.	0.50
90-120	93.72	N.A.	1.10
90-130	159.28	N.A.	1.90
90-150	312.80	N.A.	3.70
90-180	406.84	N.A.	4.80
110-180	360.94	N.A.	4.20
0-180	8524.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	33.59
10-20	143.34
20-30	386.95
30-40	792.50
40-50	1274.98
50-60	1769.65
60-70	1943.01
70-80	1399.11
80-90	374.33
90-100	15.72
100-110	30.18
110-120	47.82
120-130	65.57
130-140	77.41
140-150	76.11
150-160	56.68
160-170	30.40
170-180	6.96

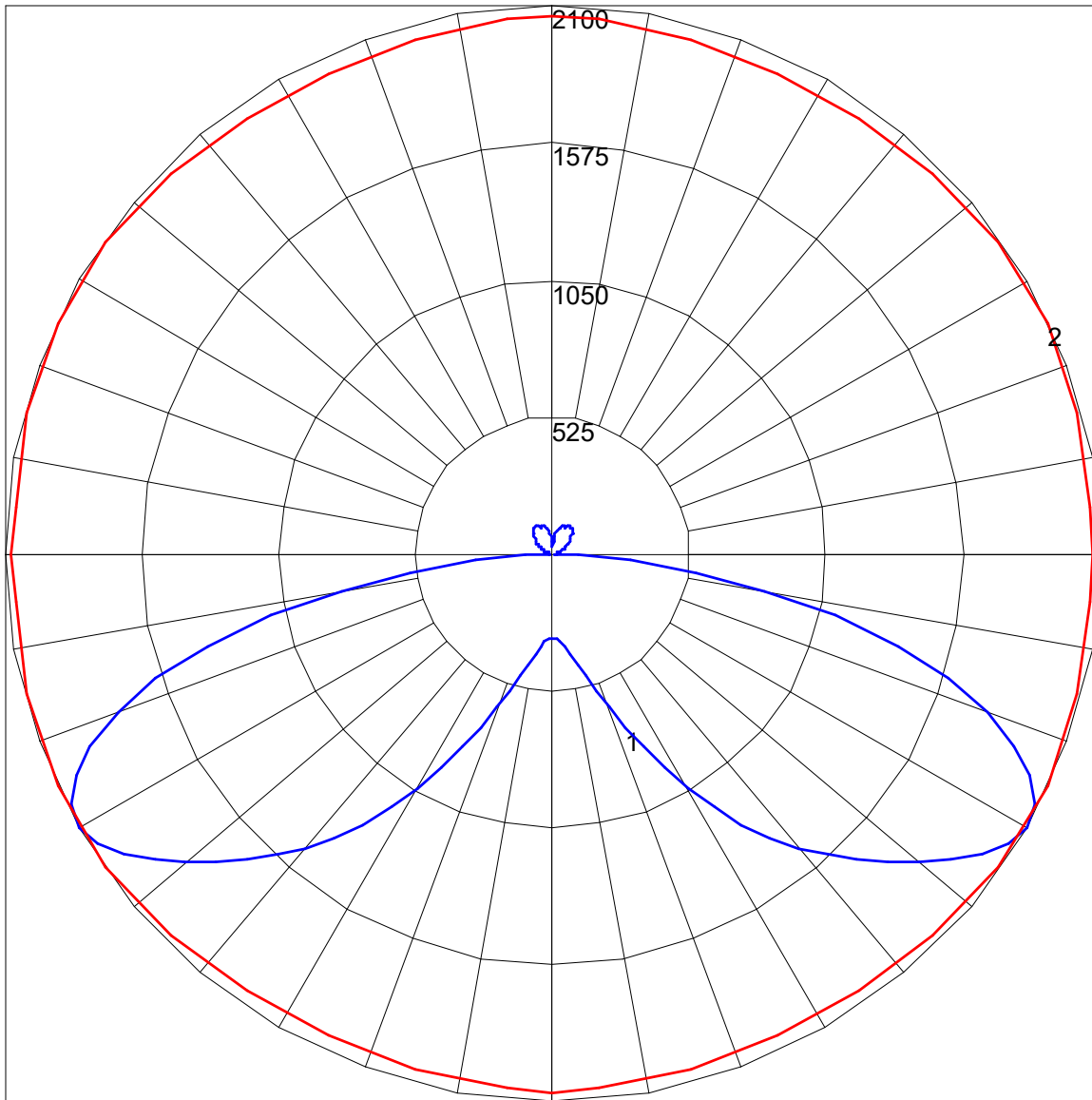
IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5WU-40-70CRI.IES

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	103	97	91	85	100	94	88	84	89	84	80	84	80	77	79	76	73	71
2	90	79	70	63	87	77	69	61	72	65	59	68	62	57	64	59	55	52
3	80	66	56	47	77	64	54	46	60	52	45	57	49	43	53	47	42	39
4	71	56	45	37	68	54	44	36	51	42	35	48	40	34	45	38	33	30
5	64	48	37	29	61	47	36	29	44	35	28	41	33	27	39	32	26	23
6	58	42	31	24	56	41	31	23	38	29	23	36	28	22	34	27	21	19
7	53	37	27	20	51	36	26	19	34	25	19	32	24	18	30	23	18	15
8	49	33	23	16	47	32	23	16	30	22	16	29	21	15	27	20	15	13
9	45	30	20	14	43	29	20	14	27	19	13	26	18	13	24	18	13	11
10	42	27	18	12	40	26	18	12	25	17	12	24	16	11	22	16	11	9

POLAR GRAPH



Maximum Candela = 2100 Located At Horizontal Angle = 25, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)