



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-10L-T5W-40-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-10405
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]09/21/18
[TEST DATE]07/19/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]EXN-EGLED-10L-T5W-40-70CRI
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[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	10006
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	76
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	34335	33790	33197
55	49508	49854	49346
65	64957	67386	65177
75	71221	73746	71807
85	48859	49529	50332

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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	434	434	434	434	434	434	434	434	434	434
2.5	436	436	436	436	436	436	435	435	435	435
5.0	451	452	452	452	451	451	450	450	450	450
7.5	481	481	481	481	480	480	478	478	478	478
10.0	524	524	524	524	523	521	519	519	519	519
12.5	584	581	581	581	579	577	577	574	574	575
15.0	658	654	654	653	651	647	648	646	645	644
17.5	746	742	742	739	735	735	735	733	729	726
20.0	848	847	843	838	835	835	833	830	828	821
22.5	962	961	960	952	947	949	943	938	938	933
25.0	1087	1089	1085	1076	1074	1071	1063	1058	1057	1052
27.5	1221	1223	1223	1218	1211	1199	1191	1185	1182	1181
30.0	1358	1360	1358	1356	1344	1330	1323	1316	1309	1312
32.5	1492	1495	1496	1490	1479	1461	1453	1444	1437	1439
35.0	1621	1629	1628	1622	1610	1593	1578	1569	1563	1567
37.5	1746	1757	1753	1747	1734	1716	1698	1691	1685	1687
40.0	1871	1876	1871	1866	1852	1833	1815	1803	1798	1799
42.5	1984	1986	1981	1978	1965	1941	1926	1913	1903	1906
45.0	2081	2087	2091	2088	2075	2048	2025	2009	2007	2012
47.5	2175	2187	2201	2197	2183	2160	2122	2107	2116	2119
50.0	2270	2284	2311	2308	2291	2266	2218	2202	2225	2225
52.5	2362	2378	2412	2414	2400	2367	2310	2294	2323	2335
55.0	2434	2454	2498	2509	2492	2451	2387	2371	2408	2426
57.5	2479	2506	2558	2565	2550	2512	2439	2422	2470	2486
60.0	2483	2518	2582	2573	2559	2537	2454	2437	2497	2497
62.5	2439	2484	2560	2536	2522	2516	2420	2405	2475	2461
65.0	2353	2402	2483	2457	2444	2441	2339	2326	2403	2384
67.5	2222	2279	2357	2333	2320	2316	2213	2199	2274	2264
70.0	2053	2105	2171	2159	2140	2129	2049	2036	2097	2087
72.5	1831	1894	1938	1923	1911	1903	1845	1835	1873	1863
75.0	1580	1644	1657	1642	1637	1636	1600	1592	1613	1602
77.5	1294	1349	1346	1337	1328	1337	1320	1315	1310	1301
80.0	991	1030	1018	1012	1006	1009	1012	1009	998	982
82.5	662	690	681	684	680	673	685	684	670	668
85.0	365	368	371	375	375	370	361	362	367	374
87.5	110	111	117	125	123	119	124	128	129	138
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

	<u>90</u>
0.0	434
2.5	435
5.0	450
7.5	478
10.0	520
12.5	574
15.0	644
17.5	725
20.0	821
22.5	929
25.0	1049
27.5	1175
30.0	1317

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CANDELA TABULATION - (Cont.)

32.5	1444
35.0	1568
37.5	1685
40.0	1795
42.5	1903
45.0	2012
47.5	2122
50.0	2230
52.5	2339
55.0	2426
57.5	2481
60.0	2480
62.5	2437
65.0	2361
67.5	2251
70.0	2092
72.5	1866
75.0	1593
77.5	1298
80.0	989
82.5	673
85.0	376
87.5	142
90.0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	236.92	N.A.	2.40
0-30	741.50	N.A.	7.40
0-40	1747.11	N.A.	17.50
0-60	5513.62	N.A.	55.10
0-80	9550.69	N.A.	95.40
0-90	10006.34	N.A.	100.00
10-90	9961.05	N.A.	99.50
20-40	1510.2	N.A.	15.10
20-50	3101.14	N.A.	31.00
40-70	6117.59	N.A.	61.10
60-80	4037.07	N.A.	40.30
70-80	1685.98	N.A.	16.80
80-90	455.66	N.A.	4.60
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	10006.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	45.30
10-20	191.62
20-30	504.58
30-40	1005.61
40-50	1590.94
50-60	2175.56
60-70	2351.09
70-80	1685.98
80-90	455.66
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

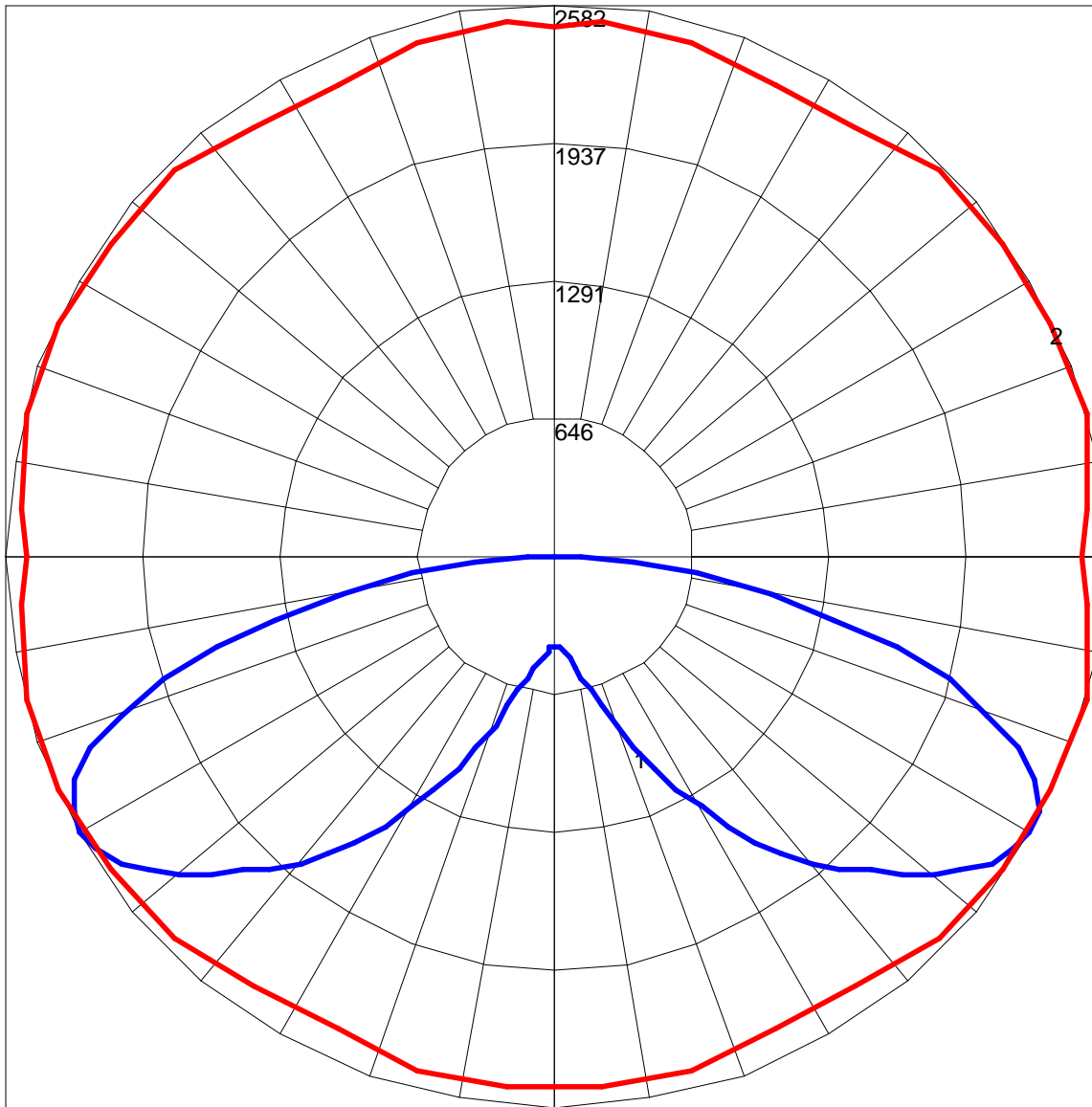
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	36	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	37	27	20	52	37	27	20	35	26	19	33	25	19	32	24	19	16
8	49	33	23	17	48	33	23	16	31	22	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	11
10	43	27	18	12	41	27	18	12	26	18	12	25	17	12	24	17	12	10

POLAR GRAPH



Maximum Candela = 2582 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.)