



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-03L-T5W-40-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-10411
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]09/21/18
[TEST DATE]07/19/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]EXN-EGLED-03L-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	3140
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	3.96
Spacing Criterion (90-270)	4.00
Spacing Criterion (Diagonal)	3.58
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	10873	10626	10378
55	15459	15560	15459
65	20373	20925	20760
75	22358	23350	22538
85	15394	15796	16331

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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	139	139	139	139	139	139	139	139	139	139
2.5	139	140	140	140	140	139	139	139	139	139
5.0	144	144	144	144	144	144	144	144	144	144
7.5	154	154	153	153	153	153	153	153	152	153
10.0	168	167	167	166	166	166	166	165	165	165
12.5	186	185	185	185	184	184	184	183	182	183
15.0	209	208	208	207	206	206	206	205	204	204
17.5	237	236	236	234	233	233	233	232	232	230
20.0	269	269	268	266	265	265	264	262	262	260
22.5	305	305	305	303	301	301	298	297	296	295
25.0	344	344	344	343	340	338	336	334	333	333
27.5	386	386	386	385	382	378	376	373	372	372
30.0	429	429	429	427	423	419	417	414	413	413
32.5	471	471	471	469	465	461	457	454	452	453
35.0	511	513	512	510	506	501	496	493	491	492
37.5	551	553	551	549	545	540	535	531	529	528
40.0	591	592	588	586	581	575	571	567	564	563
42.5	627	627	623	621	616	609	606	603	598	597
45.0	659	661	658	655	650	644	639	634	630	629
47.5	690	693	694	689	685	679	671	665	664	663
50.0	719	722	726	723	718	712	699	694	696	695
52.5	743	748	756	757	750	741	725	720	726	729
55.0	760	767	780	785	779	765	744	739	751	758
57.5	768	777	797	805	800	783	756	750	769	779
60.0	768	779	803	812	808	789	758	753	776	787
62.5	759	771	795	804	799	781	750	745	768	778
65.0	738	748	772	778	773	758	728	723	745	754
67.5	700	710	733	735	729	720	692	688	708	712
70.0	644	657	680	673	669	668	640	636	657	653
72.5	573	591	611	601	599	600	575	572	591	584
75.0	496	514	525	516	515	518	500	497	510	501
77.5	408	424	427	422	419	424	412	410	413	408
80.0	309	323	323	322	319	317	315	312	314	311
82.5	207	218	218	219	217	215	214	211	211	212
85.0	115	118	119	122	119	118	118	118	116	120
87.5	39	38	38	42	40	40	43	44	43	46
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

	<u>90</u>
0.0	139
2.5	139
5.0	144
7.5	153
10.0	165
12.5	183
15.0	204
17.5	229
20.0	259
22.5	295
25.0	333
27.5	374
30.0	414

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CANDELA TABULATION - (Cont.)

32.5	454
35.0	492
37.5	527
40.0	562
42.5	595
45.0	629
47.5	663
50.0	697
52.5	730
55.0	760
57.5	778
60.0	785
62.5	777
65.0	752
67.5	709
70.0	652
72.5	581
75.0	500
77.5	410
80.0	312
82.5	214
85.0	122
87.5	47
90.0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	75.29	N.A.	2.40
0-30	234.77	N.A.	7.50
0-40	551.00	N.A.	17.50
0-60	1731.1	N.A.	55.10
0-80	2995.33	N.A.	95.40
0-90	3140.41	N.A.	100.00
10-90	3125.96	N.A.	99.50
20-40	475.71	N.A.	15.10
20-50	975.93	N.A.	31.10
40-70	1915.03	N.A.	61.00
60-80	1264.23	N.A.	40.30
70-80	529.30	N.A.	16.90
80-90	145.08	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	3140.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	14.45
10-20	60.84
20-30	159.48
30-40	316.23
40-50	500.22
50-60	679.88
60-70	734.94
70-80	529.30
80-90	145.08
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

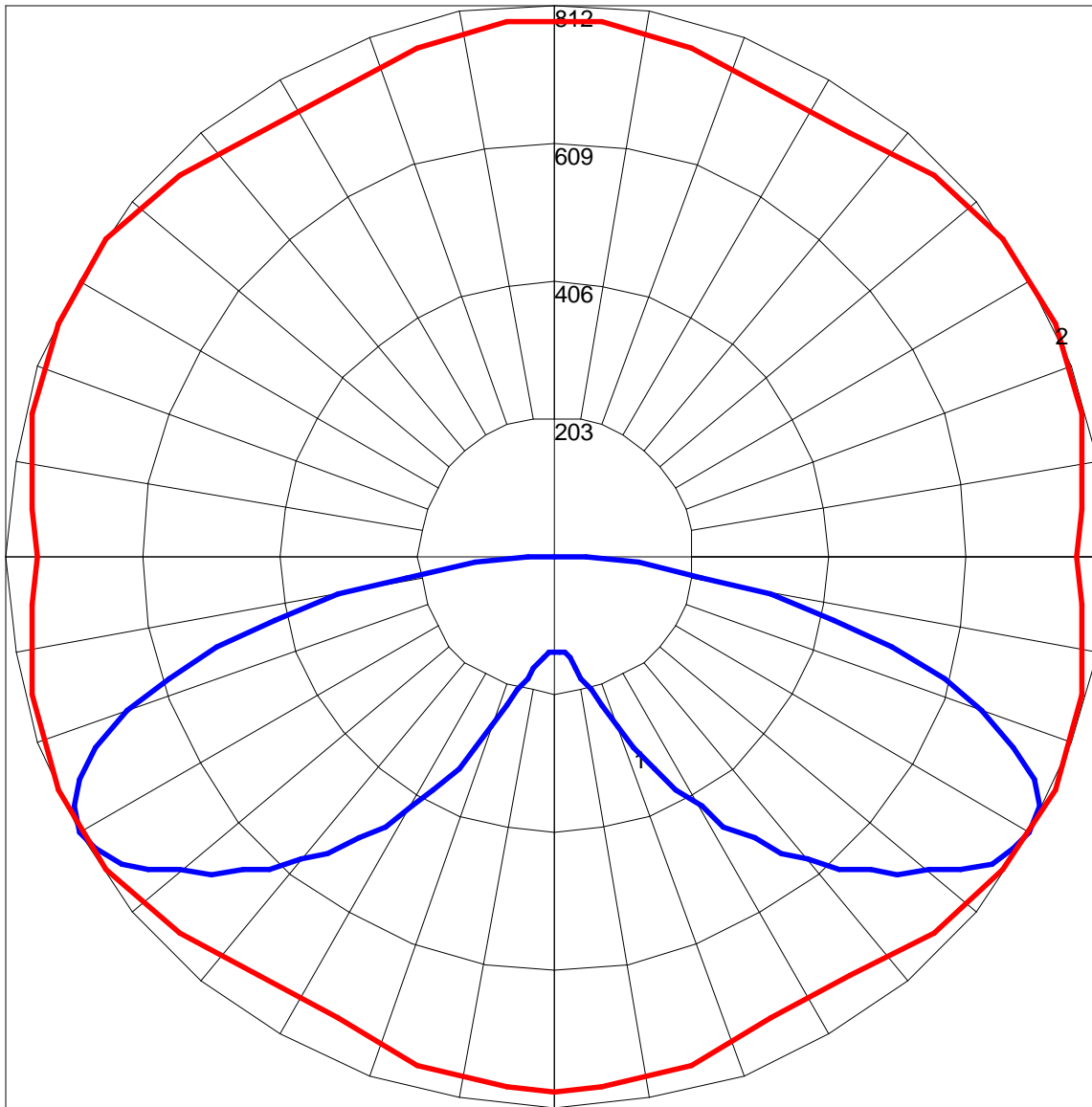
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	43	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 = 812 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.)