



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-03L-T5WU-40-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11030

[TESTLAB] LSI INDUSTRIES, INC

[ISSUE DATE] 06/13/19

[TEST DATE] 04/30/19

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] EXN-EGLED-03L-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	3325
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	3.94
Spacing Criterion (90-270)	3.96
Spacing Criterion (Diagonal)	3.52
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	7860	7824	7848
55	10069	10069	10239
65	11282	11237	11417
75	9154	9063	9209
85	2615	2639	2664

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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	144	144	144	144	144	144	144	144	144	144
2.5	144	144	144	144	144	144	144	144	144	144
5.0	149	149	150	150	150	149	149	149	149	149
7.5	160	160	160	160	160	160	159	159	159	160
10.0	174	174	174	175	174	174	173	173	174	174
12.5	194	193	193	193	193	193	192	192	193	193
15.0	218	217	217	217	216	216	217	216	216	216
17.5	247	246	246	246	245	245	246	246	245	245
20.0	281	280	278	278	278	278	279	280	278	277
22.5	318	318	315	316	315	316	316	317	315	316
25.0	358	357	356	356	356	356	356	357	356	356
27.5	400	399	399	397	397	398	398	398	399	398
30.0	442	442	442	439	440	440	440	440	440	441
32.5	483	483	483	482	482	481	481	482	482	482
35.0	523	523	523	523	522	521	521	521	522	523
37.5	561	562	562	563	562	559	558	559	560	562
40.0	596	597	598	598	597	596	593	594	595	596
42.5	630	630	631	631	629	629	627	627	629	629
45.0	663	661	662	662	661	660	659	659	660	661
47.5	693	693	692	694	693	691	692	691	691	693
50.0	723	723	722	725	725	721	723	723	722	726
52.5	750	752	749	754	754	750	751	752	751	757
55.0	772	774	772	779	779	772	774	775	775	783
57.5	787	787	787	796	796	787	789	789	789	800
60.0	791	789	788	799	799	789	791	792	791	805
62.5	780	775	775	786	787	776	779	779	778	792
65.0	752	748	748	758	759	749	752	752	752	765
67.5	708	706	706	715	716	708	708	708	709	721
70.0	650	650	650	657	658	650	650	651	651	662
72.5	581	578	581	587	587	578	580	580	579	586
75.0	500	497	497	501	497	495	498	497	497	502
77.5	408	404	400	402	400	403	406	405	404	404
80.0	309	302	299	298	299	302	306	305	305	301
82.5	203	199	199	198	198	200	201	201	200	199
85.0	107	108	109	108	108	108	107	107	108	107
87.5	35	37	38	37	37	37	34	34	34	35
90.0	5	5	5	5	5	4	4	4	4	4
92.5	4	4	4	4	4	4	4	4	5	5
95.0	5	5	5	5	5	5	5	5	6	5
97.5	7	7	7	7	7	7	7	7	7	7
100.0	8	8	8	8	8	8	8	8	8	8
102.5	10	10	10	9	9	9	9	10	10	10
105.0	11	11	11	11	11	11	11	11	11	11
107.5	13	13	13	12	13	12	13	13	13	13
110.0	15	15	15	15	15	14	15	15	15	15
112.5	17	17	17	17	17	17	16	16	16	17
115.0	18	18	18	19	19	19	19	18	18	18
117.5	20	20	21	21	21	21	21	21	21	20
120.0	22	23	23	24	24	23	23	23	23	23
122.5	25	25	26	26	26	26	26	26	26	25
125.0	28	28	28	28	28	28	28	28	28	28
127.5	31	31	31	31	31	31	31	31	31	31
130.0	33	34	33	33	33	34	33	34	33	33
132.5	36	36	36	36	36	36	36	36	36	36

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CANDELA TABULATION - (Cont.)

135.0	39	39	39	38	38	39	38	38	38	38
137.5	42	41	41	41	41	42	41	41	41	41
140.0	45	44	44	43	44	44	43	43	44	44
142.5	47	45	46	46	46	46	46	45	46	46
145.0	47	47	48	48	47	46	47	47	48	48
147.5	46	48	49	50	49	47	48	47	50	49
150.0	49	48	48	50	49	48	50	48	50	50
152.5	47	48	46	47	49	49	49	49	50	49
155.0	46	47	46	46	47	48	46	48	48	48
157.5	48	46	47	45	46	47	46	45	48	48
160.0	45	45	46	43	44	45	44	45	45	46
162.5	43	44	43	44	43	46	43	43	44	44
165.0	37	39	40	41	42	44	43	43	41	41
167.5	35	35	39	41	39	38	39	40	39	39
170.0	28	29	35	36	37	35	34	34	35	34
172.5	30	31	29	30	31	31	30	31	31	28
175.0	26	27	25	26	25	26	26	26	26	25
177.5	18	18	17	19	15	17	18	18	18	19
180.0	10	10	10	10	10	10	10	10	10	10

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	144
2.5	144
5.0	150
7.5	160
10.0	174
12.5	193
15.0	216
17.5	245
20.0	278
22.5	315
25.0	355
27.5	396
30.0	440
32.5	481
35.0	524
37.5	563
40.0	598
42.5	631
45.0	662
47.5	695
50.0	727
52.5	758
55.0	785
57.5	802
60.0	804
62.5	789
65.0	761
67.5	719
70.0	662
72.5	592
75.0	503
77.5	404
80.0	303

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CANDELA TABULATION - (Cont.)

82.5	201
85.0	109
87.5	36
90.0	4
92.5	5
95.0	6
97.5	7
100.0	8
102.5	10
105.0	11
107.5	13
110.0	15
112.5	17
115.0	18
117.5	20
120.0	23
122.5	26
125.0	28
127.5	30
130.0	33
132.5	36
135.0	38
137.5	41
140.0	44
142.5	47
145.0	49
147.5	49
150.0	49
152.5	50
155.0	49
157.5	47
160.0	46
162.5	42
165.0	41
167.5	38
170.0	34
172.5	26
175.0	27
177.5	20
180.0	10

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	79.01	N.A.	2.40
0-30	246.66	N.A.	7.40
0-40	575.72	N.A.	17.30
0-60	1779.49	N.A.	53.50
0-80	3032.58	N.A.	91.20
0-90	3167.61	N.A.	95.30
10-90	3152.55	N.A.	94.80
20-40	496.72	N.A.	14.90
20-50	1009.53	N.A.	30.40
40-70	1939.59	N.A.	58.30
60-80	1253.09	N.A.	37.70
70-80	517.26	N.A.	15.60
80-90	135.03	N.A.	4.10
90-110	17.97	N.A.	0.50
90-120	36.51	N.A.	1.10
90-130	61.78	N.A.	1.90
90-150	120.95	N.A.	3.60
90-180	157.25	N.A.	4.70
110-180	139.28	N.A.	4.20
0-180	3324.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	15.06
10-20	63.95
20-30	167.65
30-40	329.07
40-50	512.82
50-60	690.95
60-70	735.83
70-80	517.26
80-90	135.03
90-100	6.15
100-110	11.82
110-120	18.54
120-130	25.26
130-140	29.70
140-150	29.47
150-160	21.92
160-170	11.73
170-180	2.65

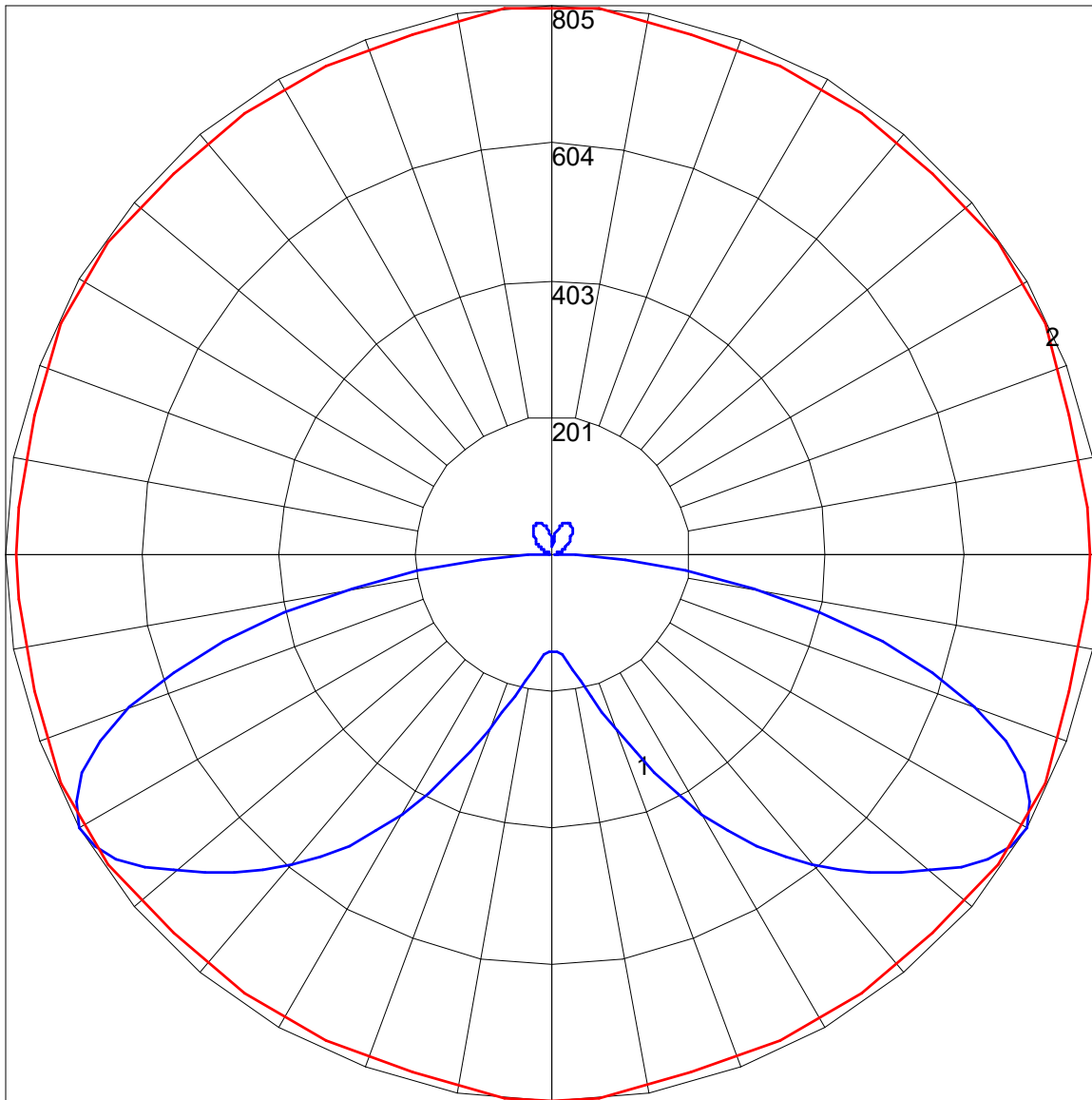
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	104	97	91	86	100	94	89	84	89	85	81	84	81	77	80	77	74	71
2	91	80	71	64	88	78	69	62	73	66	60	69	63	58	65	60	56	53
3	80	67	57	48	77	65	55	48	61	53	46	57	50	44	54	48	43	40
4	72	57	46	38	69	55	45	37	52	43	36	49	41	35	46	39	34	31
5	65	49	38	30	62	48	37	30	45	36	29	42	34	28	40	33	27	25
6	59	43	32	25	56	42	32	24	39	30	24	37	29	23	35	28	22	20
7	54	38	28	20	52	37	27	20	35	26	20	33	25	19	31	24	19	16
8	50	34	24	17	48	33	24	17	31	23	17	29	22	16	28	21	16	13
9	46	30	21	15	44	30	21	15	28	20	14	27	19	14	25	18	13	11
10	43	28	19	13	41	27	18	13	26	18	12	24	17	12	23	16	12	10

POLAR GRAPH



Maximum Candela = 805 Located At Horizontal Angle = 85, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (85 - 265) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)