



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-06L-T5NU-50-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11038

[TESTLAB] LSI INDUSTRIES, INC

[ISSUE DATE] 06/13/19

[TEST DATE] 05/01/19

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] EXN-EGLED-06L-T5NU-50-70CRI

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] SCALED FROM ORIGINAL TEST DATA

[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	6600
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	47
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.18
Spacing Criterion (90-270)	2.18
Spacing Criterion (Diagonal)	2.14
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	17723	17616	17569
55	18443	18273	18169
65	17132	16922	16922
75	12944	12871	12724
85	4105	4252	4203

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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	925	925	925	925	925	925	925	925	925	925
2.5	927	927	927	927	927	927	927	927	927	929
5.0	935	937	937	937	937	937	937	937	937	939
7.5	954	952	952	954	954	954	952	954	954	954
10.0	979	977	977	977	977	977	977	977	977	977
12.5	1008	1008	1006	1008	1006	1008	1008	1008	1008	1008
15.0	1049	1047	1047	1047	1045	1047	1047	1049	1047	1047
17.5	1090	1090	1088	1088	1088	1088	1090	1090	1088	1088
20.0	1136	1138	1138	1136	1136	1138	1136	1136	1134	1134
22.5	1188	1188	1188	1186	1188	1186	1186	1186	1186	1186
25.0	1240	1240	1240	1236	1238	1238	1238	1238	1238	1236
27.5	1290	1292	1292	1290	1290	1289	1287	1287	1289	1289
30.0	1339	1339	1339	1339	1337	1335	1335	1335	1335	1333
32.5	1383	1383	1383	1383	1381	1379	1377	1377	1375	1377
35.0	1422	1420	1420	1420	1418	1416	1414	1414	1414	1414
37.5	1453	1451	1451	1449	1447	1445	1443	1443	1441	1441
40.0	1474	1474	1474	1472	1470	1468	1464	1464	1464	1464
42.5	1489	1489	1487	1486	1484	1482	1480	1478	1478	1476
45.0	1495	1495	1493	1491	1487	1486	1484	1482	1484	1482
47.5	1491	1491	1489	1486	1482	1480	1480	1478	1478	1476
50.0	1476	1476	1474	1470	1466	1464	1462	1460	1460	1460
52.5	1451	1449	1447	1443	1439	1437	1437	1435	1433	1433
55.0	1414	1412	1408	1404	1401	1401	1399	1399	1397	1395
57.5	1366	1364	1358	1350	1348	1348	1350	1348	1348	1343
60.0	1306	1302	1296	1290	1287	1287	1289	1289	1287	1283
62.5	1225	1225	1223	1217	1213	1213	1211	1211	1211	1209
65.0	1142	1142	1138	1134	1130	1128	1126	1126	1126	1126
67.5	1049	1047	1043	1039	1035	1034	1032	1030	1034	1034
70.0	943	941	939	933	931	927	929	927	927	929
72.5	829	831	829	823	815	819	819	819	815	813
75.0	707	711	709	697	694	703	701	701	699	692
77.5	574	580	578	566	564	572	576	574	574	562
80.0	435	442	440	435	433	439	440	442	439	431
82.5	296	305	303	301	299	303	299	305	301	297
85.0	168	176	174	172	172	174	170	170	172	172
87.5	60	62	64	64	64	64	62	62	64	66
90.0	8	8	8	10	10	10	10	12	12	12
92.5	8	8	8	8	8	8	8	8	8	8
95.0	10	10	10	10	10	10	10	10	10	12
97.5	12	14	12	14	12	12	12	12	14	14
100.0	15	15	15	15	15	15	15	15	15	15
102.5	17	17	17	17	17	17	17	17	17	17
105.0	21	21	21	21	21	21	21	21	21	21
107.5	23	25	25	23	23	23	23	23	25	25
110.0	27	27	27	27	27	27	27	27	27	27
112.5	31	31	31	31	31	31	31	31	31	31
115.0	35	35	35	35	37	37	37	35	35	35
117.5	39	39	39	41	41	41	41	41	39	41
120.0	44	44	42	44	44	44	44	44	44	44
122.5	50	48	48	48	48	50	48	48	48	48
125.0	56	54	52	54	54	54	54	54	54	54
127.5	60	60	58	60	58	60	60	60	58	60
130.0	66	66	64	64	64	66	64	66	64	64
132.5	71	70	68	70	68	70	68	70	68	70

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135.0	77	75	75	75	73	77	73	75	73	73
137.5	83	81	79	81	77	81	79	79	77	77
140.0	87	85	83	85	79	87	85	87	83	81
142.5	91	91	89	91	85	91	89	89	83	83
145.0	93	93	93	95	89	95	91	89	87	85
147.5	100	97	97	99	91	95	91	89	87	87
150.0	104	102	100	97	93	93	91	89	87	87
152.5	106	104	100	95	91	91	91	89	89	85
155.0	97	97	93	87	87	91	87	89	87	85
157.5	87	87	85	85	85	89	89	89	91	85
160.0	81	81	79	79	85	85	87	87	91	87
162.5	79	79	79	77	77	81	83	83	87	89
165.0	75	75	71	71	73	75	79	79	85	91
167.5	71	71	70	71	68	71	70	73	85	91
170.0	64	66	66	66	66	60	62	64	73	75
172.5	58	58	60	58	58	54	58	62	66	68
175.0	50	48	50	52	52	48	54	50	54	52
177.5	35	33	33	35	29	33	35	37	35	33
180.0	27	27	27	27	27	27	27	27	27	27

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	925
2.5	927
5.0	939
7.5	954
10.0	977
12.5	1008
15.0	1045
17.5	1088
20.0	1132
22.5	1186
25.0	1236
27.5	1289
30.0	1335
32.5	1377
35.0	1414
37.5	1443
40.0	1464
42.5	1476
45.0	1482
47.5	1476
50.0	1460
52.5	1433
55.0	1393
57.5	1345
60.0	1283
62.5	1211
65.0	1128
67.5	1034
70.0	931
72.5	817
75.0	695
77.5	570
80.0	437

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CANDELA TABULATION - (Cont.)

82.5	301
85.0	172
87.5	66
90.0	14
92.5	8
95.0	10
97.5	12
100.0	15
102.5	17
105.0	21
107.5	25
110.0	27
112.5	31
115.0	35
117.5	39
120.0	44
122.5	50
125.0	54
127.5	60
130.0	66
132.5	70
135.0	75
137.5	77
140.0	85
142.5	85
145.0	85
147.5	85
150.0	85
152.5	85
155.0	83
157.5	85
160.0	87
162.5	85
165.0	93
167.5	87
170.0	81
172.5	64
175.0	52
177.5	39
180.0	27

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	390.65	N.A.	5.90
0-30	966.22	N.A.	14.60
0-40	1854.27	N.A.	28.10
0-60	4247.93	N.A.	64.40
0-80	6093.33	N.A.	92.30
0-90	6300.33	N.A.	95.50
10-90	6209.62	N.A.	94.10
20-40	1463.62	N.A.	22.20
20-50	2609.51	N.A.	39.50
40-70	3506.33	N.A.	53.10
60-80	1845.4	N.A.	28.00
70-80	732.73	N.A.	11.10
80-90	207.01	N.A.	3.10
90-110	33.74	N.A.	0.50
90-120	68.95	N.A.	1.00
90-130	117.15	N.A.	1.80
90-150	230.87	N.A.	3.50
90-180	299.84	N.A.	4.50
110-180	266.10	N.A.	4.00
0-180	6600.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.71
10-20	299.94
20-30	575.57
30-40	888.05
40-50	1145.89
50-60	1247.77
60-70	1112.67
70-80	732.73
80-90	207.01
90-100	11.88
100-110	21.86
110-120	35.21
120-130	48.21
130-140	57.30
140-150	56.42
150-160	41.57
160-170	22.15
170-180	5.25

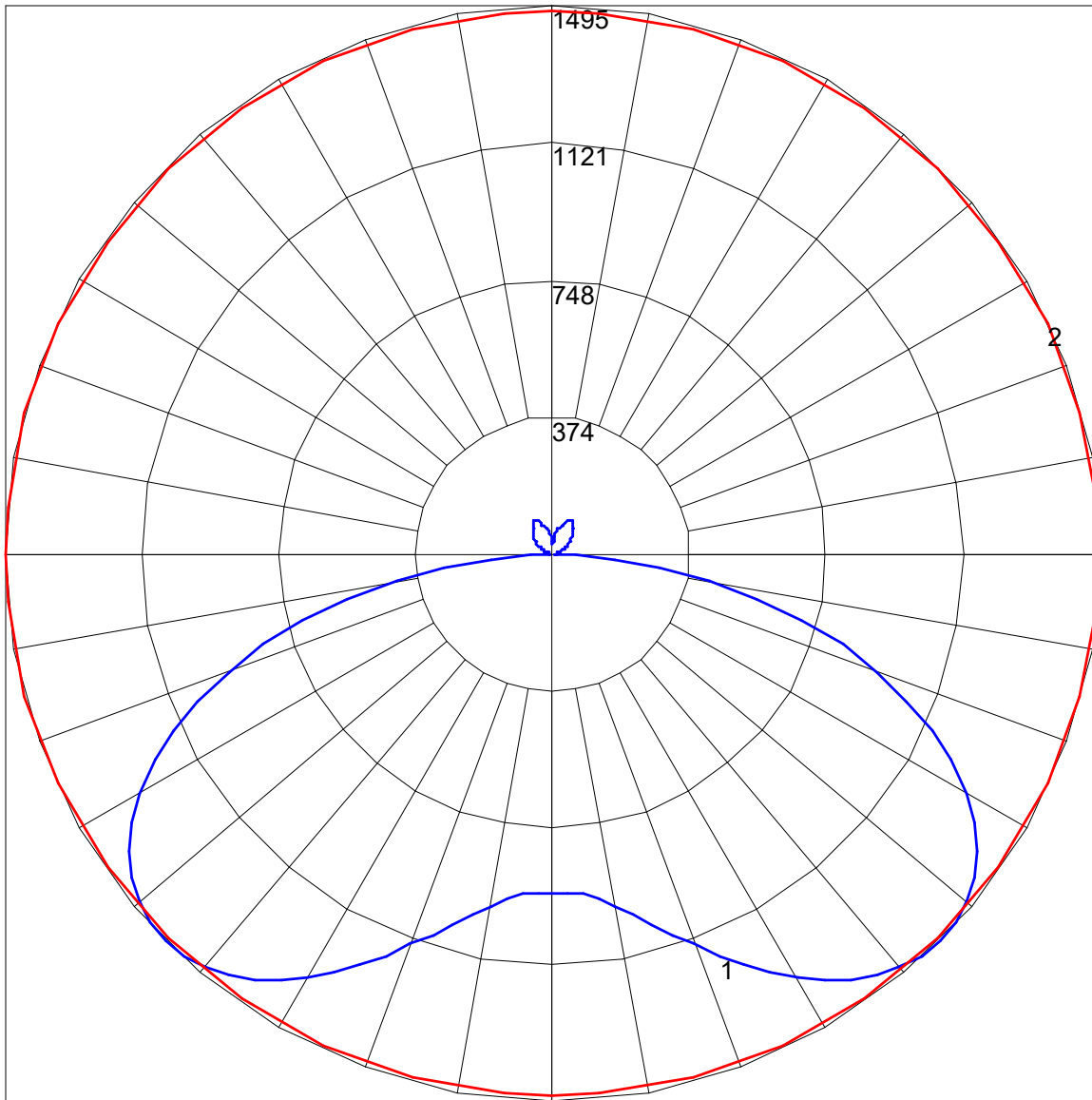
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	109	109	103	103	103	98	98	98	95
1	106	100	95	90	102	97	92	88	92	88	85	87	84	81	83	80	78	75
2	94	84	77	70	91	82	75	69	78	72	66	74	69	64	70	66	62	59
3	84	72	63	55	81	70	62	55	67	59	53	63	57	51	60	54	50	47
4	76	63	53	45	73	61	52	44	58	50	43	55	48	42	52	46	41	38
5	69	55	45	37	67	53	44	37	51	42	36	48	41	35	46	39	34	32
6	63	49	39	32	61	47	38	31	45	37	30	43	35	30	41	34	29	27
7	58	43	34	27	56	42	33	27	40	32	26	38	31	26	37	30	25	23
8	54	39	30	23	52	38	29	23	36	28	23	35	28	22	33	27	22	20
9	50	35	27	21	48	35	26	20	33	25	20	32	25	20	30	24	19	17
10	47	32	24	18	45	32	24	18	30	23	18	29	22	17	28	22	17	15

POLAR GRAPH



Maximum Candela = 1495 Located At Horizontal Angle = 0, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)