



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-06L-T5WU-50-70CRI.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
[MANUFACT] LSI INDUSTRIES, INC
[LUMCAT] EXN-EGLED-06L-T5WU-50-70CRI
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE:IESNA LM-79-08
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6477
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	47
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	15317	15245	15293
55	19616	19616	19943
65	21978	21888	22233
75	17832	17649	17942
85	5083	5132	5181

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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	281	281	281	281	281	281	281	281	281	281
2.5	281	281	281	281	281	281	281	281	281	281
5.0	290	290	292	292	292	290	290	290	290	290
7.5	312	312	312	312	312	312	310	310	310	312
10.0	339	339	339	341	339	339	337	337	339	339
12.5	378	376	376	376	376	376	374	374	376	376
15.0	425	423	423	423	421	421	423	421	421	421
17.5	481	479	479	479	477	477	479	479	477	477
20.0	547	545	542	542	542	542	543	545	542	540
22.5	619	619	614	616	614	616	616	618	614	616
25.0	697	695	693	693	693	693	693	695	693	693
27.5	779	777	777	773	773	775	775	775	777	775
30.0	861	861	861	855	857	857	857	857	857	859
32.5	941	941	941	939	939	937	937	939	939	939
35.0	1019	1019	1019	1019	1017	1015	1015	1015	1017	1019
37.5	1093	1095	1095	1097	1095	1089	1087	1089	1091	1095
40.0	1161	1163	1165	1165	1163	1161	1155	1157	1159	1161
42.5	1227	1227	1229	1229	1225	1225	1221	1221	1225	1225
45.0	1292	1288	1290	1290	1288	1286	1284	1284	1286	1288
47.5	1350	1350	1348	1352	1350	1346	1348	1346	1346	1350
50.0	1408	1408	1406	1412	1412	1404	1408	1408	1406	1414
52.5	1461	1465	1459	1469	1469	1461	1463	1465	1463	1475
55.0	1504	1508	1504	1517	1517	1504	1508	1510	1510	1525
57.5	1533	1533	1533	1551	1551	1533	1537	1537	1537	1558
60.0	1541	1537	1535	1556	1556	1537	1541	1543	1541	1568
62.5	1519	1510	1510	1531	1533	1512	1517	1517	1516	1543
65.0	1465	1457	1457	1477	1479	1459	1465	1465	1465	1490
67.5	1379	1375	1375	1393	1395	1379	1379	1379	1381	1404
70.0	1266	1266	1266	1280	1282	1266	1266	1268	1268	1290
72.5	1132	1126	1132	1143	1143	1126	1130	1130	1128	1142
75.0	974	968	968	976	968	964	970	968	968	978
77.5	795	787	779	783	779	785	791	789	787	787
80.0	602	588	582	580	582	588	596	594	594	586
82.5	395	388	388	386	386	390	392	392	390	388
85.0	208	210	212	210	210	210	208	208	210	208
87.5	68	72	74	72	72	72	66	66	66	68
90.0	10	10	10	10	10	8	8	8	8	8
92.5	8	8	8	8	8	8	8	8	10	10
95.0	10	10	10	10	10	10	10	10	12	10
97.5	14	14	14	14	14	14	14	14	14	14
100.0	16	16	16	16	16	16	16	16	16	16
102.5	19	19	19	18	18	18	18	19	19	19
105.0	21	21	21	21	21	21	21	21	21	21
107.5	25	25	25	23	25	23	25	25	25	25
110.0	29	29	29	29	29	27	29	29	29	29
112.5	33	33	33	33	33	33	31	31	31	33
115.0	35	35	35	37	37	37	37	35	35	35
117.5	39	39	41	41	41	41	41	41	41	39
120.0	43	45	45	47	47	45	45	45	45	45
122.5	49	49	51	51	51	51	51	51	51	49
125.0	55	55	55	55	55	55	55	55	55	55
127.5	60	60	60	60	60	60	60	60	60	60
130.0	64	66	64	64	64	66	64	66	64	64
132.5	70	70	70	70	70	70	70	70	70	70

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135.0	76	76	76	74	74	76	74	74	74	74
137.5	82	80	80	80	80	82	80	80	80	80
140.0	88	86	86	84	86	86	84	84	86	86
142.5	92	88	90	90	90	90	90	88	90	90
145.0	92	92	94	94	92	90	92	92	94	94
147.5	90	94	95	97	95	92	94	92	97	95
150.0	95	94	94	97	95	94	97	94	97	97
152.5	92	94	90	92	95	95	95	95	97	95
155.0	90	92	90	90	92	94	90	94	94	94
157.5	94	90	92	88	90	92	90	88	94	94
160.0	88	88	90	84	86	88	86	88	88	90
162.5	84	86	84	86	84	90	84	84	86	86
165.0	72	76	78	80	82	86	84	84	80	80
167.5	68	68	76	80	76	74	76	78	76	76
170.0	55	56	68	70	72	68	66	66	68	66
172.5	58	60	56	58	60	60	58	60	60	55
175.0	51	53	49	51	49	51	51	51	51	49
177.5	35	35	33	37	29	33	35	35	35	37
180.0	19	19	19	19	19	19	19	19	19	19

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	281
2.5	281
5.0	292
7.5	312
10.0	339
12.5	376
15.0	421
17.5	477
20.0	542
22.5	614
25.0	692
27.5	771
30.0	857
32.5	937
35.0	1021
37.5	1097
40.0	1165
42.5	1229
45.0	1290
47.5	1354
50.0	1416
52.5	1477
55.0	1529
57.5	1562
60.0	1566
62.5	1537
65.0	1482
67.5	1401
70.0	1290
72.5	1153
75.0	980
77.5	787
80.0	590

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CANDELA TABULATION - (Cont.)

82.5	392
85.0	212
87.5	70
90.0	8
92.5	10
95.0	12
97.5	14
100.0	16
102.5	19
105.0	21
107.5	25
110.0	29
112.5	33
115.0	35
117.5	39
120.0	45
122.5	51
125.0	55
127.5	58
130.0	64
132.5	70
135.0	74
137.5	80
140.0	86
142.5	92
145.0	95
147.5	95
150.0	95
152.5	97
155.0	95
157.5	92
160.0	90
162.5	82
165.0	80
167.5	74
170.0	66
172.5	51
175.0	53
177.5	39
180.0	19

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	153.93	N.A.	2.40
0-30	480.46	N.A.	7.40
0-40	1121.53	N.A.	17.30
0-60	3466.43	N.A.	53.50
0-80	5907.35	N.A.	91.20
0-90	6170.33	N.A.	95.30
10-90	6140.99	N.A.	94.80
20-40	967.60	N.A.	14.90
20-50	1966.55	N.A.	30.40
40-70	3778.27	N.A.	58.30
60-80	2440.92	N.A.	37.70
70-80	1007.55	N.A.	15.60
80-90	262.99	N.A.	4.10
90-110	35.14	N.A.	0.50
90-120	71.23	N.A.	1.10
90-130	120.53	N.A.	1.90
90-150	235.95	N.A.	3.60
90-180	306.78	N.A.	4.70
110-180	271.65	N.A.	4.20
0-180	6477.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	29.35
10-20	124.59
20-30	326.52
30-40	641.07
40-50	998.95
50-60	1345.95
60-70	1433.37
70-80	1007.55
80-90	262.99
90-100	12.31
100-110	22.83
110-120	36.09
120-130	49.31
130-140	57.85
140-150	57.56
150-160	42.78
160-170	22.90
170-180	5.16

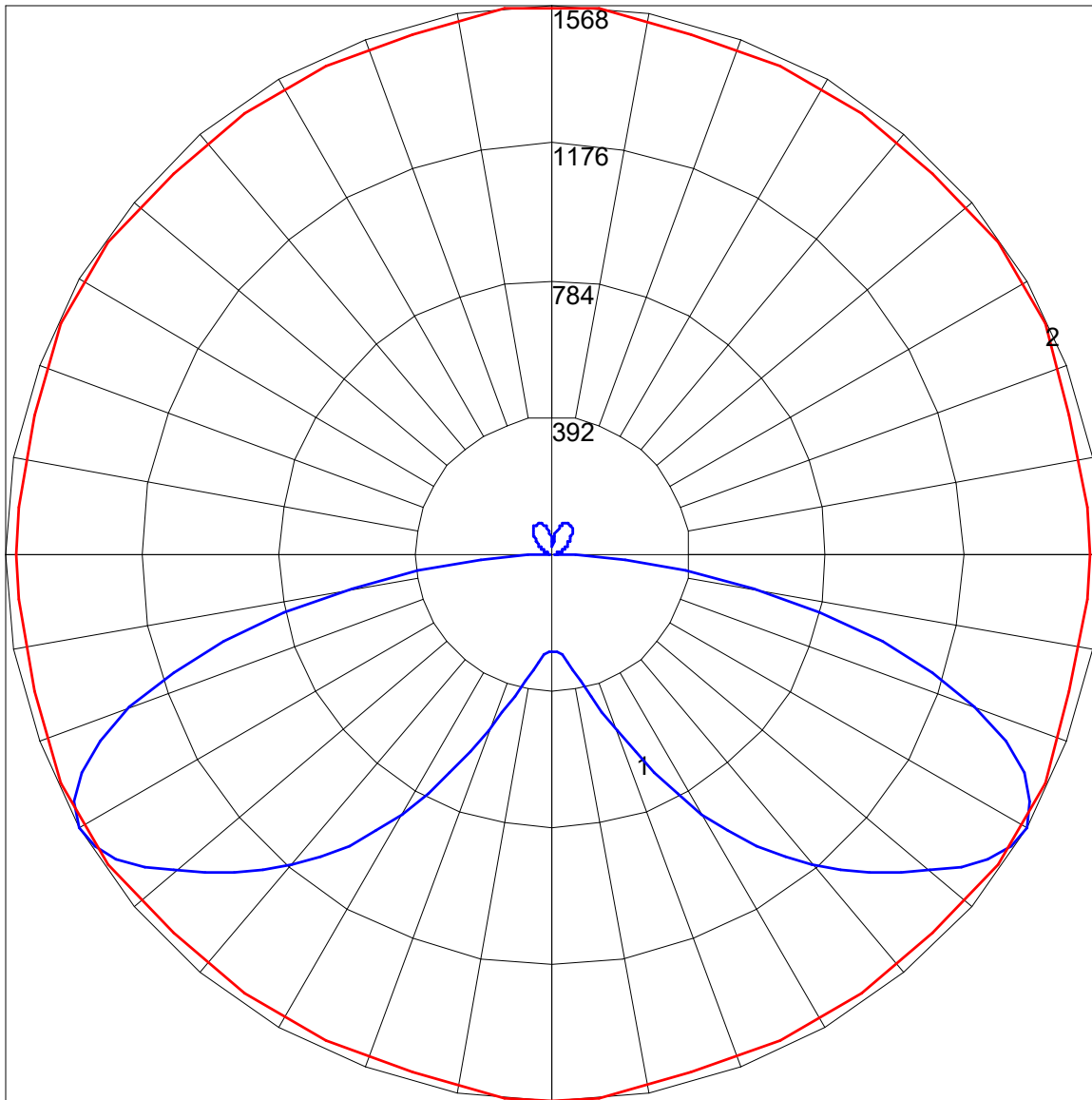
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1568 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.)