



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5WU-50-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11030
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 06/13/19
[TESTDATE] 04/30/19
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] EXN-EGLED-05L-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	5424
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	39
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	12827	12768	12803
55	16421	16421	16708
65	18407	18332	18617
75	14940	14775	15031
85	4276	4301	4350

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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	235	235	235	235	235	235	235	235	235	235
2.5	235	235	235	235	235	235	235	235	235	235
5.0	243	243	245	245	245	243	243	243	243	243
7.5	261	261	261	261	261	261	259	259	259	261
10.0	284	284	284	285	284	284	282	282	284	284
12.5	316	315	315	315	315	315	313	313	315	315
15.0	356	354	354	354	352	352	354	352	352	352
17.5	403	401	401	401	400	400	401	401	400	400
20.0	458	457	453	453	453	453	455	457	453	452
22.5	519	519	514	515	514	515	515	517	514	515
25.0	584	582	581	581	581	581	581	582	581	581
27.5	653	651	651	648	648	649	649	649	651	649
30.0	721	721	721	716	718	718	718	718	718	719
32.5	788	788	788	786	786	785	785	786	786	786
35.0	853	853	853	853	852	850	850	850	852	853
37.5	915	917	917	918	917	912	910	912	914	917
40.0	972	974	976	976	974	972	967	969	971	972
42.5	1028	1028	1029	1029	1026	1026	1023	1023	1026	1026
45.0	1082	1078	1080	1080	1078	1077	1075	1075	1077	1078
47.5	1130	1130	1129	1132	1130	1127	1129	1127	1127	1130
50.0	1179	1179	1178	1183	1183	1176	1179	1179	1178	1184
52.5	1223	1227	1222	1230	1230	1223	1225	1227	1225	1235
55.0	1259	1263	1259	1271	1271	1259	1263	1264	1264	1277
57.5	1284	1284	1284	1298	1298	1284	1287	1287	1287	1305
60.0	1290	1287	1285	1303	1303	1287	1290	1292	1290	1313
62.5	1272	1264	1264	1282	1284	1266	1271	1271	1269	1292
65.0	1227	1220	1220	1237	1238	1222	1227	1227	1227	1248
67.5	1155	1152	1152	1166	1168	1155	1155	1155	1157	1176
70.0	1060	1060	1060	1072	1073	1060	1060	1062	1062	1080
72.5	948	943	948	958	958	943	946	946	945	956
75.0	816	811	811	817	811	807	812	811	811	819
77.5	666	659	653	656	653	657	662	661	659	659
80.0	504	493	488	486	488	493	499	498	498	491
82.5	331	325	325	323	323	326	328	328	326	325
85.0	175	176	178	176	176	176	175	175	176	175
87.5	57	60	62	60	60	60	55	55	55	57
90.0	8	8	8	8	8	7	7	7	7	7
92.5	7	7	7	7	7	7	7	7	8	8
95.0	8	8	8	8	8	8	8	8	10	8
97.5	11	11	11	11	11	11	11	11	11	11
100.0	13	13	13	13	13	13	13	13	13	13
102.5	16	16	16	15	15	15	15	16	16	16
105.0	18	18	18	18	18	18	18	18	18	18
107.5	21	21	21	20	21	20	21	21	21	21
110.0	24	24	24	24	24	23	24	24	24	24
112.5	28	28	28	28	28	28	26	26	26	28
115.0	29	29	29	31	31	31	31	29	29	29
117.5	33	33	34	34	34	34	34	34	34	33
120.0	36	38	38	39	39	38	38	38	38	38
122.5	41	41	42	42	42	42	42	42	42	41
125.0	46	46	46	46	46	46	46	46	46	46
127.5	51	51	51	51	51	51	51	51	51	51
130.0	54	55	54	54	54	55	54	55	54	54
132.5	59	59	59	59	59	59	59	59	59	59

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CANDELA TABULATION - (Cont.)

135.0	64	64	64	62	62	64	62	62	62	62
137.5	69	67	67	67	67	69	67	67	67	67
140.0	73	72	72	70	72	72	70	70	72	72
142.5	77	73	75	75	75	75	75	73	75	75
145.0	77	77	78	78	77	75	77	77	78	78
147.5	75	78	80	82	80	77	78	77	82	80
150.0	80	78	78	82	80	78	82	78	82	82
152.5	77	78	75	77	80	80	80	80	82	80
155.0	75	77	75	75	77	78	75	78	78	78
157.5	78	75	77	73	75	77	75	73	78	78
160.0	73	73	75	70	72	73	72	73	73	75
162.5	70	72	70	72	70	75	70	70	72	72
165.0	60	64	65	67	69	72	70	70	67	67
167.5	57	57	64	67	64	62	64	65	64	64
170.0	46	47	57	59	60	57	55	55	57	55
172.5	49	51	47	49	51	51	49	51	51	46
175.0	42	44	41	42	41	42	42	42	42	41
177.5	29	29	28	31	24	28	29	29	29	31
180.0	16	16	16	16	16	16	16	16	16	16

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	235
2.5	235
5.0	245
7.5	261
10.0	284
12.5	315
15.0	352
17.5	400
20.0	453
22.5	514
25.0	579
27.5	646
30.0	718
32.5	785
35.0	855
37.5	918
40.0	976
42.5	1029
45.0	1080
47.5	1134
50.0	1186
52.5	1237
55.0	1281
57.5	1308
60.0	1312
62.5	1287
65.0	1241
67.5	1173
70.0	1080
72.5	966
75.0	821
77.5	659
80.0	494

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CANDELA TABULATION - (Cont.)

82.5	328
85.0	178
87.5	59
90.0	7
92.5	8
95.0	10
97.5	11
100.0	13
102.5	16
105.0	18
107.5	21
110.0	24
112.5	28
115.0	29
117.5	33
120.0	38
122.5	42
125.0	46
127.5	49
130.0	54
132.5	59
135.0	62
137.5	67
140.0	72
142.5	77
145.0	80
147.5	80
150.0	80
152.5	82
155.0	80
157.5	77
160.0	75
162.5	69
165.0	67
167.5	62
170.0	55
172.5	42
175.0	44
177.5	33
180.0	16

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	128.86	N.A.	2.40
0-30	402.34	N.A.	7.40
0-40	939.18	N.A.	17.30
0-60	2902.77	N.A.	53.50
0-80	4946.99	N.A.	91.20
0-90	5167.28	N.A.	95.30
10-90	5142.71	N.A.	94.80
20-40	810.31	N.A.	14.90
20-50	1646.83	N.A.	30.40
40-70	3163.93	N.A.	58.30
60-80	2044.22	N.A.	37.70
70-80	843.89	N.A.	15.60
80-90	220.29	N.A.	4.10
90-110	29.21	N.A.	0.50
90-120	59.41	N.A.	1.10
90-130	100.75	N.A.	1.90
90-150	197.42	N.A.	3.60
90-180	256.63	N.A.	4.70
110-180	227.42	N.A.	4.20
0-180	5423.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	24.56
10-20	104.30
20-30	273.48
30-40	536.83
40-50	836.52
50-60	1127.07
60-70	1200.34
70-80	843.89
80-90	220.29
90-100	10.01
100-110	19.21
110-120	30.19
120-130	41.34
130-140	48.57
140-150	48.10
150-160	35.75
160-170	19.15
170-180	4.32

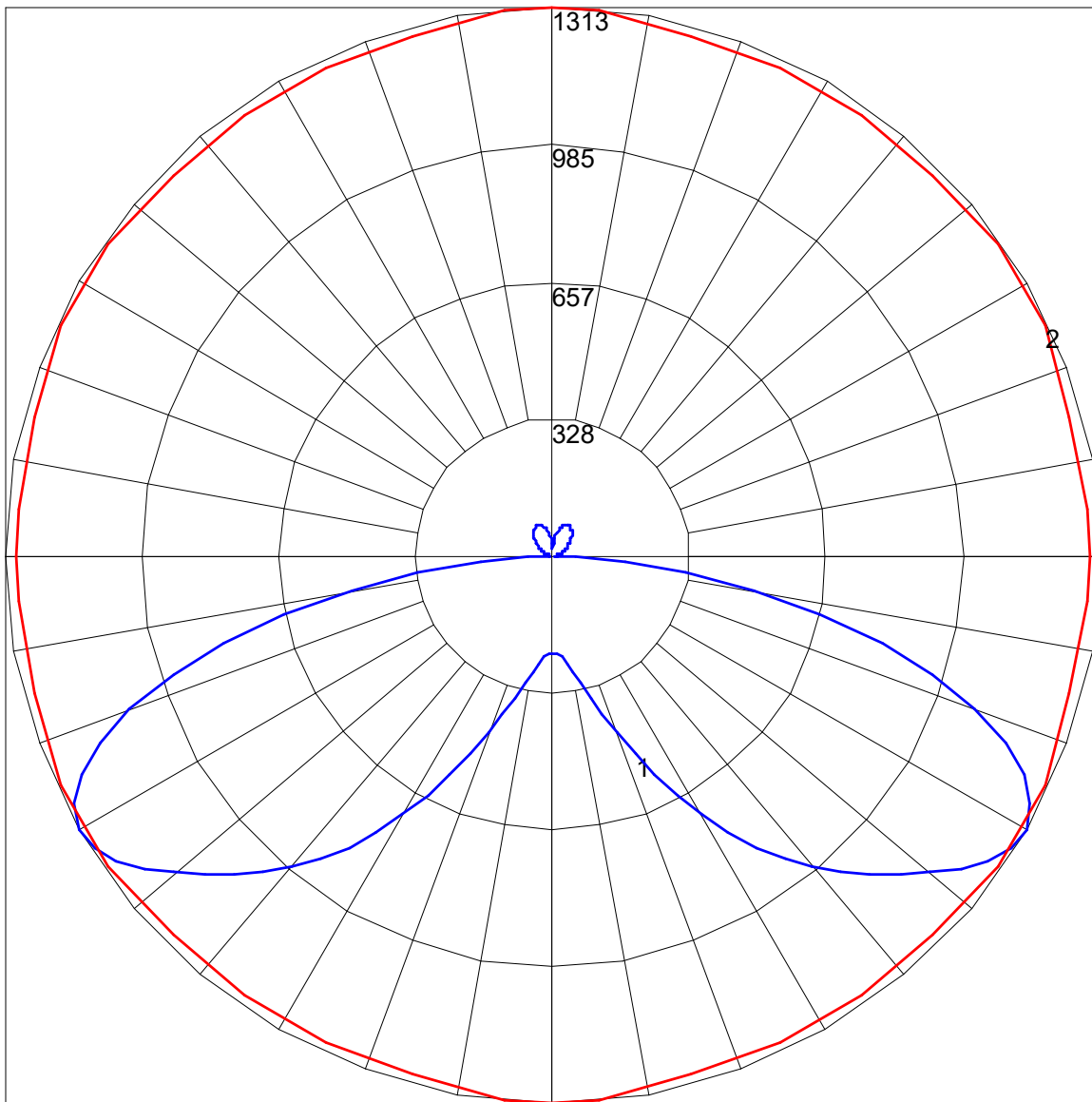
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1313 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.)