



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-05L-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-05L-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	5527
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	39
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	14842	14748	14712
55	15443	15299	15208
65	14342	14177	14177
75	10839	10784	10655
85	3446	3568	3519

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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	775	775	775	775	775	775	775	775	775	775
2.5	777	777	777	777	777	777	777	777	777	778
5.0	783	785	785	785	785	785	785	785	785	786
7.5	799	798	798	799	799	799	798	799	799	799
10.0	820	819	819	819	819	819	819	819	819	819
12.5	844	844	843	844	843	844	844	844	844	844
15.0	878	877	877	877	875	877	877	878	877	877
17.5	912	912	911	911	911	911	912	912	911	911
20.0	951	953	953	951	951	953	951	951	950	950
22.5	995	995	995	993	995	993	993	993	993	993
25.0	1039	1039	1039	1035	1037	1037	1037	1037	1037	1035
27.5	1081	1082	1082	1081	1081	1079	1077	1077	1079	1079
30.0	1121	1121	1121	1121	1120	1118	1118	1118	1118	1116
32.5	1158	1158	1158	1158	1157	1155	1153	1153	1152	1153
35.0	1191	1189	1189	1189	1187	1186	1184	1184	1184	1184
37.5	1217	1215	1215	1213	1212	1210	1208	1208	1207	1207
40.0	1234	1234	1234	1233	1231	1230	1226	1226	1226	1226
42.5	1247	1247	1246	1244	1242	1241	1239	1238	1238	1236
45.0	1252	1252	1251	1249	1246	1244	1242	1241	1242	1241
47.5	1249	1249	1247	1244	1241	1239	1239	1238	1238	1236
50.0	1236	1236	1234	1231	1228	1226	1225	1223	1223	1223
52.5	1215	1213	1212	1208	1205	1204	1204	1202	1200	1200
55.0	1184	1183	1179	1176	1173	1173	1171	1171	1170	1168
57.5	1144	1142	1137	1131	1129	1129	1131	1129	1129	1124
60.0	1094	1090	1086	1081	1077	1077	1079	1079	1077	1074
62.5	1026	1026	1024	1019	1016	1016	1014	1014	1014	1013
65.0	956	956	953	950	946	945	943	943	943	943
67.5	878	877	874	870	867	866	864	862	866	866
70.0	789	788	786	781	780	777	778	777	777	778
72.5	694	696	694	689	683	686	686	686	683	681
75.0	592	595	594	584	581	589	587	587	586	579
77.5	480	485	484	474	472	479	482	480	480	471
80.0	364	370	369	364	362	367	369	370	367	361
82.5	248	256	254	252	251	254	251	256	252	249
85.0	141	147	146	144	144	146	142	142	144	144
87.5	50	52	53	53	53	53	52	52	53	55
90.0	6	6	6	8	8	8	8	10	10	10
92.5	6	6	6	6	6	6	6	6	6	6
95.0	8	8	8	8	8	8	8	8	8	10
97.5	10	11	10	11	10	10	10	10	11	11
100.0	13	13	13	13	13	13	13	13	13	13
102.5	15	15	15	15	15	15	15	15	15	15
105.0	18	18	18	18	18	18	18	18	18	18
107.5	19	21	21	19	19	19	19	19	21	21
110.0	23	23	23	23	23	23	23	23	23	23
112.5	26	26	26	26	26	26	26	26	26	26
115.0	29	29	29	29	31	31	31	29	29	29
117.5	32	32	32	34	34	34	34	34	32	34
120.0	37	37	36	37	37	37	37	37	37	37
122.5	42	40	40	40	40	42	40	40	40	40
125.0	47	45	44	45	45	45	45	45	45	45
127.5	50	50	49	50	49	50	50	50	49	50
130.0	55	55	53	53	53	55	53	55	53	53
132.5	60	58	57	58	57	58	57	58	57	58

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135.0	65	63	63	63	61	65	61	63	61	61
137.5	70	68	66	68	65	68	66	66	65	65
140.0	73	71	70	71	66	73	71	73	70	68
142.5	76	76	74	76	71	76	74	74	70	70
145.0	78	78	78	79	74	79	76	74	73	71
147.5	84	81	81	83	76	79	76	74	73	73
150.0	87	86	84	81	78	78	76	74	73	73
152.5	89	87	84	79	76	76	76	74	74	71
155.0	81	81	78	73	73	76	73	74	73	71
157.5	73	73	71	71	71	74	74	74	76	71
160.0	68	68	66	66	71	71	73	73	76	73
162.5	66	66	66	65	65	68	70	70	73	74
165.0	63	63	60	60	61	63	66	66	71	76
167.5	60	60	58	60	57	60	58	61	71	76
170.0	53	55	55	55	55	50	52	53	61	63
172.5	49	49	50	49	49	45	49	52	55	57
175.0	42	40	42	44	44	40	45	42	45	44
177.5	29	28	28	29	24	28	29	31	29	28
180.0	23	23	23	23	23	23	23	23	23	23

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	775
2.5	777
5.0	786
7.5	799
10.0	819
12.5	844
15.0	875
17.5	911
20.0	948
22.5	993
25.0	1035
27.5	1079
30.0	1118
32.5	1153
35.0	1184
37.5	1208
40.0	1226
42.5	1236
45.0	1241
47.5	1236
50.0	1223
52.5	1200
55.0	1166
57.5	1126
60.0	1074
62.5	1014
65.0	945
67.5	866
70.0	780
72.5	684
75.0	582
77.5	477
80.0	366

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82.5	252
85.0	144
87.5	55
90.0	11
92.5	6
95.0	8
97.5	10
100.0	13
102.5	15
105.0	18
107.5	21
110.0	23
112.5	26
115.0	29
117.5	32
120.0	37
122.5	42
125.0	45
127.5	50
130.0	55
132.5	58
135.0	63
137.5	65
140.0	71
142.5	71
145.0	71
147.5	71
150.0	71
152.5	71
155.0	70
157.5	71
160.0	73
162.5	71
165.0	78
167.5	73
170.0	68
172.5	53
175.0	44
177.5	32
180.0	23

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	327.18	N.A.	5.90
0-30	809.18	N.A.	14.60
0-40	1552.82	N.A.	28.10
0-60	3557.33	N.A.	64.40
0-80	5102.72	N.A.	92.30
0-90	5275.98	N.A.	95.50
10-90	5199.97	N.A.	94.10
20-40	1225.64	N.A.	22.20
20-50	2185.24	N.A.	39.50
40-70	2936.32	N.A.	53.10
60-80	1545.39	N.A.	28.00
70-80	613.58	N.A.	11.10
80-90	173.26	N.A.	3.10
90-110	28.28	N.A.	0.50
90-120	57.70	N.A.	1.00
90-130	97.97	N.A.	1.80
90-150	193.07	N.A.	3.50
90-180	250.78	N.A.	4.50
110-180	222.50	N.A.	4.00
0-180	5526.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	76.01
10-20	251.17
20-30	482.00
30-40	743.64
40-50	959.60
50-60	1044.91
60-70	931.80
70-80	613.58
80-90	173.26
90-100	9.59
100-110	18.70
110-120	29.41
120-130	40.28
130-140	47.94
140-150	47.16
150-160	34.75
160-170	18.56
170-180	4.40

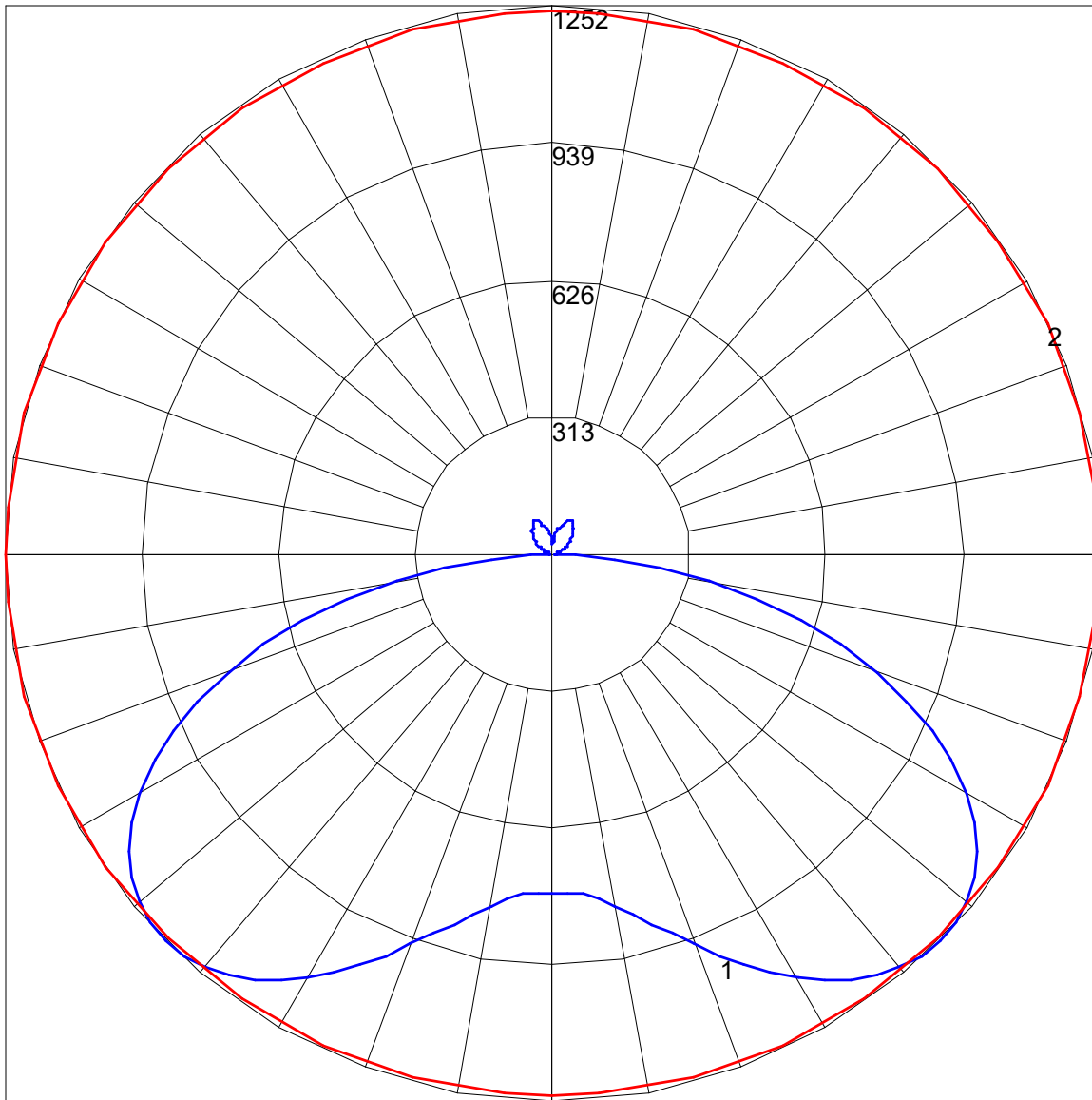
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1252 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.)