



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5W-40-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-10490
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]09/21/18
[TEST DATE]08/07/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]EXN-EGLED-05L-T5W-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	5241
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	37
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	3.96
Spacing Criterion (90-270)	4.04
Spacing Criterion (Diagonal)	3.60
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.08 ft (Diameter)
Luminous Width (90-270)	1.08 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17654	17720	17720
55	25547	26219	26402
65	33762	35170	35584
75	36873	38541	38586
85	24497	24363	23693

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5W-40-70CRI.IES

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	232	232	232	232	232	232	232	232	232	232
2.5	233	233	233	233	233	233	233	233	233	233
5.0	243	242	242	242	242	242	242	242	242	241
7.5	258	258	257	258	257	258	258	258	258	257
10.0	280	281	281	281	281	281	281	281	280	280
12.5	312	312	312	311	312	311	311	311	312	310
15.0	350	351	351	349	350	350	350	350	350	349
17.5	396	397	398	398	396	396	396	396	396	397
20.0	448	450	452	451	450	450	448	448	448	449
22.5	507	508	511	511	509	509	506	506	507	509
25.0	574	574	577	576	575	574	569	569	573	574
27.5	641	642	643	643	643	640	637	636	641	641
30.0	712	710	711	711	710	708	706	705	707	708
32.5	779	777	779	779	777	775	773	771	774	775
35.0	843	842	845	845	843	840	838	838	839	840
37.5	905	905	908	908	906	904	900	899	902	903
40.0	964	966	966	966	966	964	960	959	960	961
42.5	1019	1021	1023	1022	1022	1018	1015	1014	1016	1017
45.0	1070	1072	1079	1079	1077	1074	1067	1066	1071	1072
47.5	1119	1123	1135	1137	1134	1132	1119	1118	1129	1131
50.0	1169	1173	1192	1192	1191	1190	1171	1171	1188	1190
52.5	1218	1223	1245	1244	1244	1244	1222	1223	1246	1246
55.0	1256	1262	1287	1290	1291	1289	1266	1266	1294	1297
57.5	1278	1286	1317	1321	1323	1322	1293	1295	1328	1333
60.0	1281	1292	1326	1331	1333	1333	1300	1304	1341	1346
62.5	1263	1274	1308	1314	1317	1317	1283	1289	1325	1331
65.0	1223	1233	1265	1273	1274	1274	1242	1248	1281	1290
67.5	1159	1165	1196	1203	1205	1206	1175	1181	1214	1219
70.0	1070	1073	1101	1104	1111	1110	1084	1089	1121	1121
72.5	955	958	981	985	989	992	972	976	1000	1000
75.0	818	822	844	844	848	855	836	844	858	856
77.5	669	668	687	685	688	692	674	681	698	694
80.0	506	506	516	515	518	514	510	512	519	523
82.5	339	336	341	346	339	341	343	343	341	343
85.0	183	181	180	182	179	182	185	184	182	185
87.5	58	55	54	52	53	57	59	58	57	57
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	232
2.5	232
5.0	241
7.5	257
10.0	280
12.5	310
15.0	350
17.5	398
20.0	450
22.5	508
25.0	574
27.5	640
30.0	708

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5W-40-70CRI.IES

CANDELA TABULATION - (Cont.)

32.5	775
35.0	841
37.5	903
40.0	959
42.5	1016
45.0	1074
47.5	1131
50.0	1188
52.5	1246
55.0	1298
57.5	1335
60.0	1348
62.5	1332
65.0	1289
67.5	1219
70.0	1123
72.5	1001
75.0	856
77.5	693
80.0	521
82.5	342
85.0	177
87.5	53
90.0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5W-40-70CRI.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	127.63	N.A.	2.40
0-30	397.48	N.A.	7.60
0-40	927.73	N.A.	17.70
0-60	2903.32	N.A.	55.40
0-80	5013.64	N.A.	95.70
0-90	5241.14	N.A.	100.00
10-90	5216.81	N.A.	99.50
20-40	800.10	N.A.	15.30
20-50	1633.74	N.A.	31.20
40-70	3209.57	N.A.	61.20
60-80	2110.32	N.A.	40.30
70-80	876.34	N.A.	16.70
80-90	227.49	N.A.	4.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5241.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	24.33
10-20	103.30
20-30	269.85
30-40	530.25
40-50	833.63
50-60	1141.96
60-70	1233.98
70-80	876.34
80-90	227.49
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

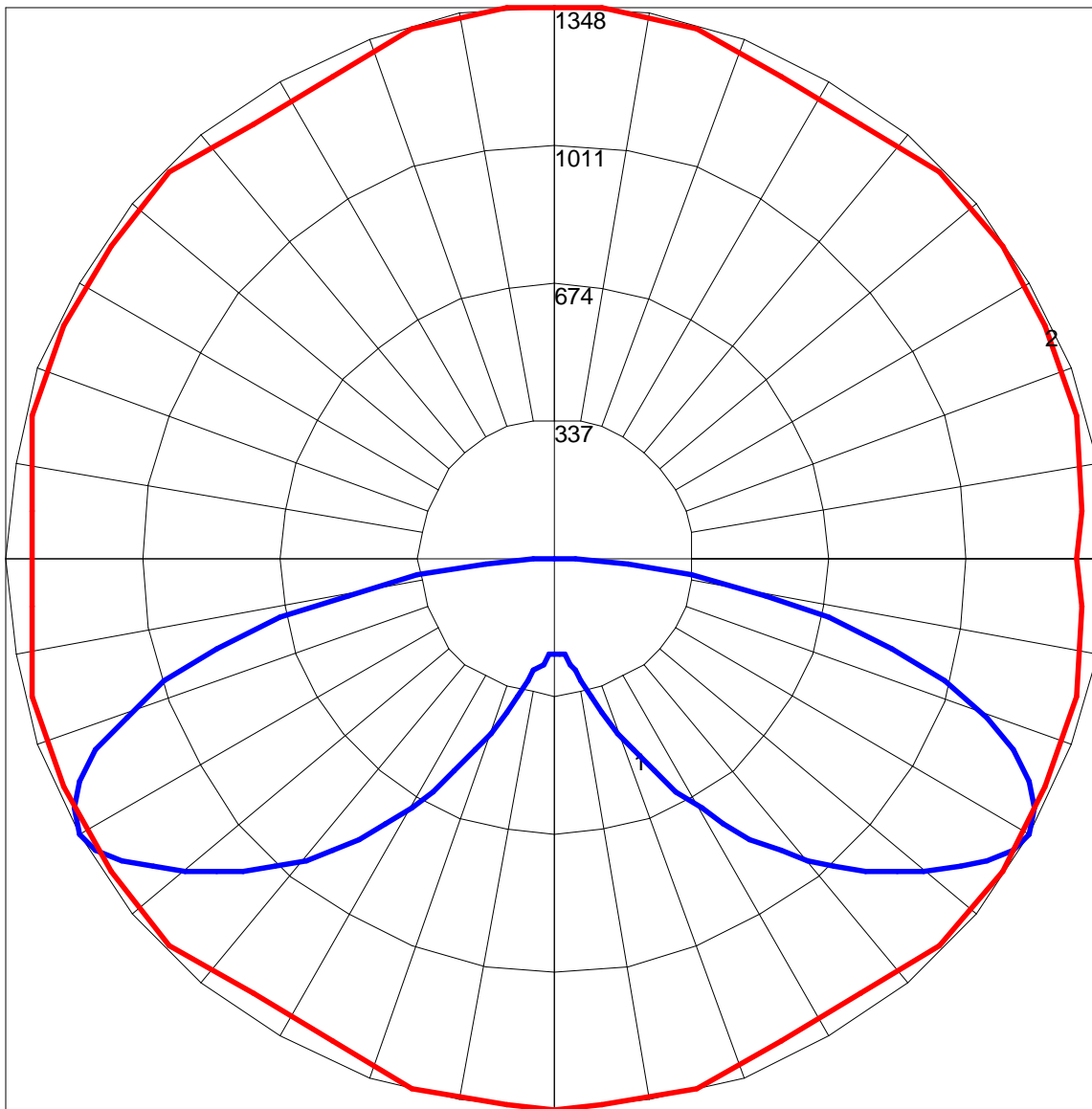
IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5W-40-70CRI.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	104	98	92	86	101	95	90	85	91	86	82	87	83	80	83	80	77	75
2	91	80	71	63	88	78	70	63	74	67	61	71	65	59	68	62	58	55
3	81	67	56	48	78	65	55	47	62	53	46	59	52	45	56	50	44	42
4	72	57	46	37	69	55	45	37	52	43	36	50	42	35	47	41	35	32
5	65	49	38	29	62	48	37	29	45	36	29	43	35	28	41	34	28	25
6	59	43	32	24	57	42	31	24	40	30	23	38	29	23	36	29	23	20
7	54	38	27	20	52	37	27	20	35	26	19	33	25	19	32	25	19	17
8	49	34	24	17	48	33	23	17	31	23	16	30	22	16	29	21	16	14
9	46	30	21	14	44	30	20	14	28	20	14	27	19	14	26	19	14	12
10	43	27	18	12	41	27	18	12	26	18	12	25	17	12	24	17	12	10

POLAR GRAPH



Maximum Candela = 1348 Located At Horizontal Angle = 90, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)