



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-06L-T5N-40-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-10477
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]09/21/18
[TEST DATE]08/04/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]EXN-EGLED-06L-T5N-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	6381
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	44
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.28
Spacing Criterion (90-270)	2.28
Spacing Criterion (Diagonal)	2.24
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.13 ft (Diameter)
Luminous Width (90-270)	1.13 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	23041	22980	23011
55	27312	27179	27198
65	30309	30207	30053
75	31015	30806	30054
85	23460	21350	21350

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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	864	864	864	864	864	864	864	864	864	864
2.5	866	866	866	866	866	865	866	866	866	866
5.0	875	874	874	874	875	874	875	875	875	875
7.5	890	890	889	889	889	891	890	890	890	890
10.0	913	913	914	913	913	913	913	914	913	914
12.5	942	942	943	944	943	943	943	943	942	943
15.0	979	979	981	981	980	980	979	979	979	980
17.5	1023	1024	1024	1025	1025	1024	1023	1023	1024	1025
20.0	1071	1072	1074	1074	1074	1073	1071	1071	1074	1074
22.5	1125	1127	1127	1127	1127	1128	1126	1127	1127	1128
25.0	1185	1184	1184	1184	1184	1185	1184	1186	1184	1184
27.5	1246	1244	1242	1242	1242	1243	1244	1245	1243	1242
30.0	1302	1300	1298	1298	1298	1299	1301	1300	1299	1298
32.5	1353	1353	1351	1350	1350	1351	1352	1352	1352	1350
35.0	1400	1400	1398	1396	1397	1399	1399	1399	1399	1398
37.5	1439	1439	1438	1437	1436	1437	1437	1437	1438	1438
40.0	1470	1470	1470	1469	1468	1468	1468	1469	1469	1469
42.5	1492	1493	1492	1492	1490	1490	1490	1491	1491	1492
45.0	1506	1507	1505	1504	1503	1502	1504	1504	1504	1504
47.5	1510	1510	1509	1505	1504	1505	1506	1507	1507	1506
50.0	1502	1500	1501	1496	1495	1496	1495	1495	1499	1497
52.5	1480	1479	1480	1476	1474	1475	1472	1473	1477	1477
55.0	1448	1446	1447	1443	1441	1441	1439	1441	1444	1444
57.5	1403	1402	1402	1398	1394	1394	1395	1396	1398	1399
60.0	1342	1344	1342	1338	1335	1336	1336	1339	1341	1340
62.5	1267	1273	1271	1266	1263	1264	1265	1267	1269	1268
65.0	1184	1190	1182	1178	1180	1180	1181	1184	1183	1180
67.5	1093	1093	1088	1083	1081	1081	1085	1088	1087	1085
70.0	986	985	985	978	976	979	980	980	984	981
72.5	867	865	870	866	864	864	856	855	870	869
75.0	742	732	743	747	745	737	724	726	739	749
77.5	606	589	601	615	610	597	586	587	597	616
80.0	466	448	452	459	465	448	447	449	451	466
82.5	325	312	302	315	317	306	312	312	305	314
85.0	189	178	169	177	177	172	178	181	172	177
87.5	61	58	55	57	57	56	59	61	56	58
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	864
2.5	867
5.0	874
7.5	889
10.0	912
12.5	942
15.0	982
17.5	1025
20.0	1075
22.5	1128
25.0	1184
27.5	1241
30.0	1298

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CANDELA TABULATION - (Cont.)

32.5	1350
35.0	1396
37.5	1437
40.0	1469
42.5	1492
45.0	1504
47.5	1504
50.0	1495
52.5	1475
55.0	1442
57.5	1394
60.0	1333
62.5	1258
65.0	1174
67.5	1080
70.0	971
72.5	850
75.0	719
77.5	585
80.0	450
82.5	301
85.0	172
87.5	59
90.0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	366.23	N.A.	5.70
0-30	917.87	N.A.	14.40
0-40	1794.87	N.A.	28.10
0-60	4238.66	N.A.	66.40
0-80	6170.88	N.A.	96.70
0-90	6380.53	N.A.	100.00
10-90	6295.83	N.A.	98.70
20-40	1428.64	N.A.	22.40
20-50	2587.68	N.A.	40.60
40-70	3606.31	N.A.	56.50
60-80	1932.22	N.A.	30.30
70-80	769.71	N.A.	12.10
80-90	209.65	N.A.	3.30
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	6380.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	84.70
10-20	281.53
20-30	551.64
30-40	877.00
40-50	1159.03
50-60	1284.76
60-70	1162.51
70-80	769.71
80-90	209.65
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

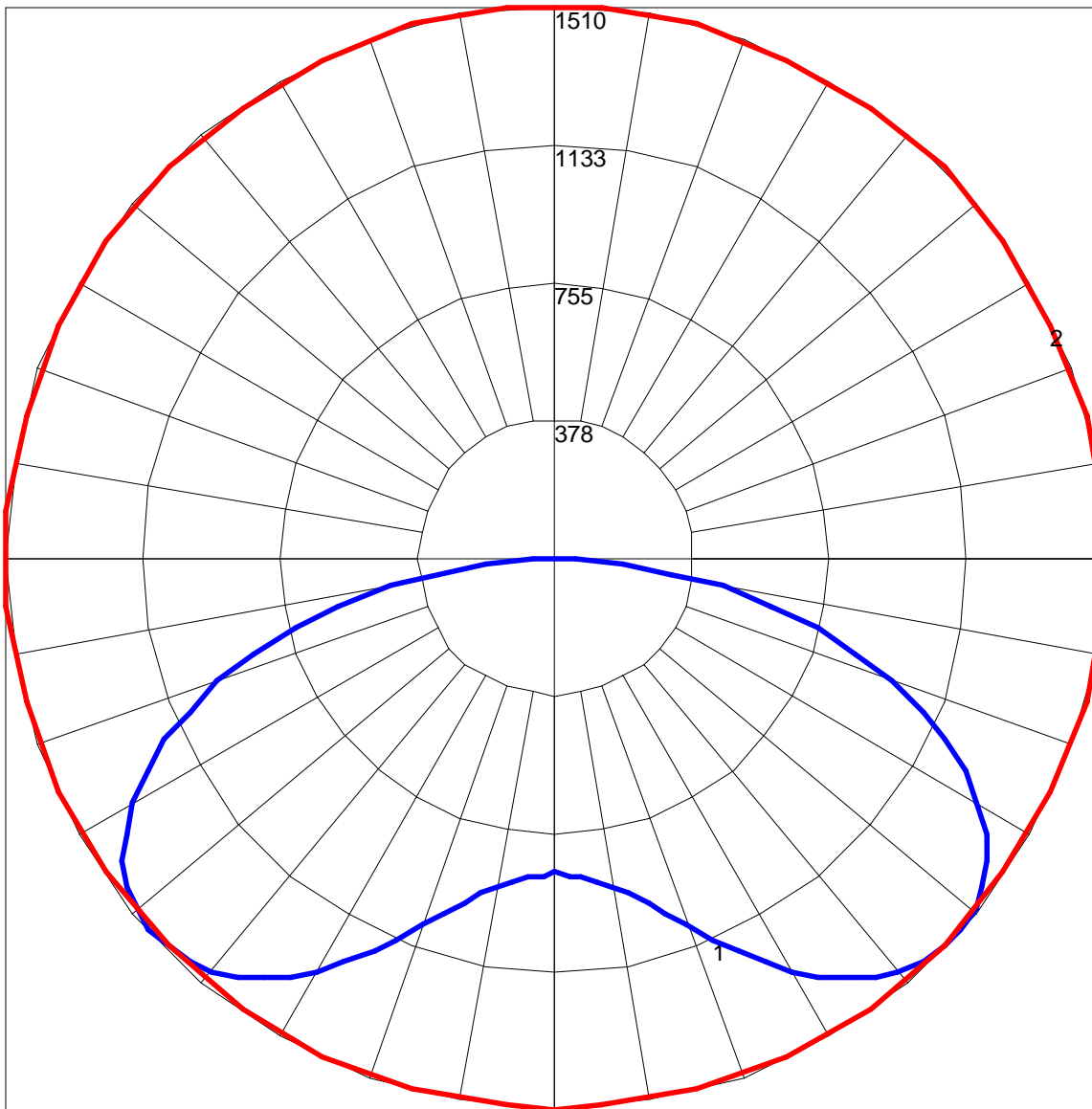
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79
2	95	85	76	70	92	83	75	69	79	73	67	76	70	65	72	68	64	61
3	85	72	63	55	82	71	62	54	67	60	53	64	58	52	62	56	51	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40
5	69	55	44	37	67	53	44	36	51	42	36	49	41	35	47	40	35	33
6	63	48	38	31	61	47	38	31	45	37	30	43	36	30	42	35	30	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23
8	54	39	29	23	52	38	29	23	36	28	22	35	28	22	34	27	22	20
9	50	35	26	20	48	34	26	20	33	25	20	32	25	19	31	24	19	17
10	46	32	23	18	45	31	23	17	30	23	17	29	22	17	28	22	17	15

POLAR GRAPH



Maximum Candela = 1510 Located At Horizontal Angle = 0, Vertical Angle = 47.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)