



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-06L-T5W-50-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-10476
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]09/21/18
[TEST DATE]08/04/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]EXN-EGLED-06L-T5W-50-70CRI
[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	6262
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	44
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	4.32
Spacing Criterion (90-270)	4.22
Spacing Criterion (Diagonal)	3.80
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	19461	19492	19492
55	29405	29217	28519
65	40241	39909	37809
75	44099	44099	41382
85	29170	27805	27184

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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	236	235	235	235	236	235	236	236	236	235
5.0	244	244	244	244	244	244	244	244	244	244
7.5	260	260	260	259	259	259	260	260	260	260
10.0	282	282	282	282	281	282	283	283	283	282
12.5	313	314	314	313	313	313	314	314	314	314
15.0	353	354	355	356	355	354	354	355	355	355
17.5	403	405	406	406	406	404	403	404	405	407
20.0	465	466	466	466	466	467	463	463	467	469
22.5	534	535	535	534	534	536	533	534	538	537
25.0	612	612	613	611	611	613	615	615	615	615
27.5	700	695	695	695	695	695	701	701	700	699
30.0	787	784	782	783	783	784	788	790	788	788
32.5	875	872	869	870	870	872	876	878	878	878
35.0	962	962	959	956	958	962	963	966	966	965
37.5	1043	1045	1043	1041	1041	1046	1048	1050	1050	1051
40.0	1121	1124	1121	1122	1122	1124	1128	1130	1129	1131
42.5	1196	1199	1198	1199	1199	1198	1204	1206	1204	1207
45.0	1272	1274	1272	1269	1271	1274	1278	1280	1280	1280
47.5	1347	1348	1345	1337	1339	1350	1349	1353	1354	1347
50.0	1423	1421	1418	1406	1406	1421	1423	1424	1424	1412
52.5	1497	1491	1488	1471	1472	1489	1492	1493	1492	1474
55.0	1559	1557	1551	1526	1527	1549	1555	1555	1549	1525
57.5	1603	1609	1601	1563	1564	1595	1601	1599	1593	1558
60.0	1622	1631	1624	1578	1577	1617	1620	1617	1610	1569
62.5	1612	1620	1613	1563	1561	1605	1608	1604	1597	1552
65.0	1572	1576	1565	1517	1515	1559	1563	1559	1550	1504
67.5	1498	1496	1485	1439	1436	1479	1485	1479	1469	1423
70.0	1381	1380	1373	1331	1328	1364	1371	1368	1356	1315
72.5	1229	1235	1230	1196	1193	1223	1220	1218	1215	1182
75.0	1055	1060	1062	1037	1034	1055	1041	1040	1040	1024
77.5	857	852	859	850	847	852	845	844	849	835
80.0	646	641	647	638	640	640	635	635	639	634
82.5	434	430	420	424	421	426	425	426	426	423
85.0	235	228	222	226	225	224	230	231	220	224
87.5	69	68	68	69	69	66	71	71	67	69
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

	<u>90</u>
0.0	235
2.5	236
5.0	244
7.5	259
10.0	282
12.5	315
15.0	357
17.5	408
20.0	468
22.5	537
25.0	614
27.5	699
30.0	788

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CANDELA TABULATION - (Cont.)

32.5	874
35.0	960
37.5	1044
40.0	1128
42.5	1202
45.0	1274
47.5	1340
50.0	1405
52.5	1466
55.0	1512
57.5	1540
60.0	1546
62.5	1526
65.0	1477
67.5	1396
70.0	1286
72.5	1149
75.0	990
77.5	812
80.0	611
82.5	405
85.0	219
87.5	69
90.0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	129.75	N.A.	2.10
0-30	420.11	N.A.	6.70
0-40	1026.86	N.A.	16.40
0-60	3391.7	N.A.	54.20
0-80	5979.41	N.A.	95.50
0-90	6261.54	N.A.	100.00
10-90	6237.02	N.A.	99.60
20-40	897.11	N.A.	14.30
20-50	1886.53	N.A.	30.10
40-70	3871.67	N.A.	61.80
60-80	2587.71	N.A.	41.30
70-80	1080.88	N.A.	17.30
80-90	282.13	N.A.	4.50
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	6261.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	24.52
10-20	105.23
20-30	290.36
30-40	606.75
40-50	989.41
50-60	1375.42
60-70	1506.84
70-80	1080.87
80-90	282.13
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

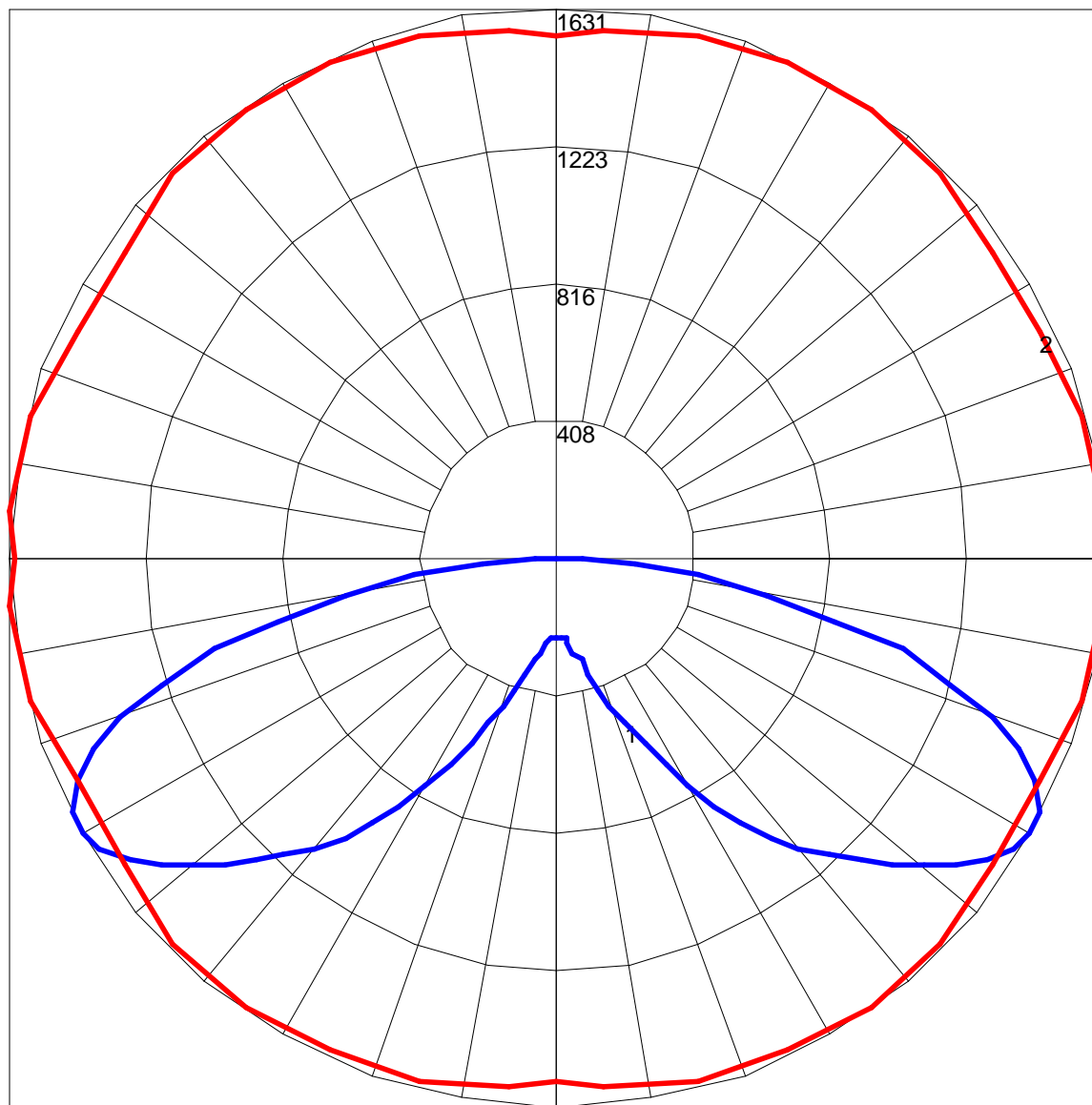
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	97	91	86	101	95	89	84	91	86	82	86	83	79	83	80	77	74
2	91	80	70	63	88	78	69	62	74	67	60	70	64	59	67	62	57	55
3	80	66	55	47	77	65	54	46	61	53	45	58	51	45	55	49	44	41
4	71	56	45	36	69	55	44	36	52	43	35	49	41	35	47	40	34	31
5	64	48	37	29	62	47	36	28	45	35	28	42	34	28	40	33	27	25
6	58	42	31	23	56	41	31	23	39	30	23	37	29	22	35	28	22	20
7	53	37	26	19	51	36	26	19	34	25	19	33	25	18	31	24	18	16
8	49	33	23	16	47	32	23	16	31	22	16	29	21	16	28	21	15	13
9	45	30	20	14	44	29	20	13	28	19	13	27	19	13	25	18	13	11
10	42	27	18	12	41	26	18	12	25	17	12	24	17	11	23	16	11	9

POLAR GRAPH



Maximum Candela = 1631 Located At Horizontal Angle = 5, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)