



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-06L-T5W-40-70CRI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-10492
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]09/21/18
[TEST DATE]08/07/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]EXN-EGLED-06L-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	6263
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)	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	21037	21169	21136
55	30470	31344	31507
65	40305	41989	42485
75	44130	45888	46429
85	29048	29048	29182

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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	277	277	277	277	277	277	277	277	277	277
2.5	278	278	278	278	278	278	278	278	277	278
5.0	288	288	289	289	289	288	288	288	288	288
7.5	307	308	309	309	308	307	307	307	307	307
10.0	334	335	336	336	336	334	334	333	334	335
12.5	371	372	373	373	373	371	370	370	371	373
15.0	417	419	420	420	419	417	416	417	417	419
17.5	474	474	474	473	473	473	471	473	473	473
20.0	540	538	538	536	535	536	536	535	537	535
22.5	610	609	608	606	606	606	608	607	607	605
25.0	686	685	684	683	683	684	683	683	685	682
27.5	767	767	766	764	763	763	763	763	764	763
30.0	848	849	847	847	846	847	844	844	845	847
32.5	927	928	929	930	929	926	923	922	924	926
35.0	1003	1005	1008	1011	1007	1004	999	998	1002	1004
37.5	1077	1079	1084	1086	1083	1078	1072	1072	1076	1078
40.0	1148	1150	1156	1158	1153	1148	1143	1142	1145	1149
42.5	1214	1219	1223	1224	1221	1216	1209	1209	1212	1216
45.0	1275	1281	1288	1288	1287	1283	1273	1272	1279	1282
47.5	1339	1342	1356	1354	1353	1352	1338	1336	1351	1350
50.0	1398	1401	1421	1419	1419	1420	1401	1401	1421	1418
52.5	1454	1460	1484	1483	1484	1487	1463	1463	1490	1487
55.0	1498	1507	1537	1538	1541	1541	1513	1514	1546	1548
57.5	1524	1537	1573	1579	1580	1580	1546	1548	1588	1593
60.0	1527	1543	1584	1590	1593	1593	1554	1559	1603	1609
62.5	1507	1523	1563	1569	1573	1575	1537	1543	1585	1590
65.0	1460	1472	1510	1518	1522	1521	1487	1494	1532	1540
67.5	1380	1391	1429	1437	1442	1440	1406	1412	1451	1460
70.0	1268	1282	1318	1326	1330	1329	1291	1297	1337	1346
72.5	1135	1144	1181	1186	1189	1187	1156	1163	1194	1203
75.0	979	985	1013	1019	1020	1018	996	1003	1027	1026
77.5	803	802	817	809	820	829	816	821	836	828
80.0	611	609	608	607	607	623	620	625	624	619
82.5	412	406	404	405	405	411	419	417	411	410
85.0	217	216	216	218	218	217	225	217	220	221
87.5	63	68	68	69	69	68	67	64	70	70
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>90</u>
0.0	277
2.5	278
5.0	289
7.5	308
10.0	336
12.5	373
15.0	418
17.5	472
20.0	535
22.5	605
25.0	682
27.5	762
30.0	844

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CANDELA TABULATION - (Cont.)

32.5	923
35.0	1005
37.5	1078
40.0	1150
42.5	1214
45.0	1281
47.5	1349
50.0	1417
52.5	1486
55.0	1549
57.5	1594
60.0	1610
62.5	1590
65.0	1539
67.5	1460
70.0	1347
72.5	1203
75.0	1030
77.5	835
80.0	611
82.5	407
85.0	218
87.5	69
90.0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	152.30	N.A.	2.40
0-30	474.23	N.A.	7.60
0-40	1107.21	N.A.	17.70
0-60	3466.67	N.A.	55.30
0-80	5990.39	N.A.	95.60
0-90	6263.45	N.A.	100.00
10-90	6234.42	N.A.	99.50
20-40	954.91	N.A.	15.20
20-50	1950.31	N.A.	31.10
40-70	3834.34	N.A.	61.20
60-80	2523.72	N.A.	40.30
70-80	1048.84	N.A.	16.70
80-90	273.06	N.A.	4.40
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	6263.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	29.03
10-20	123.27
20-30	321.94
30-40	632.98
40-50	995.40
50-60	1364.07
60-70	1474.88
70-80	1048.84
80-90	273.06
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

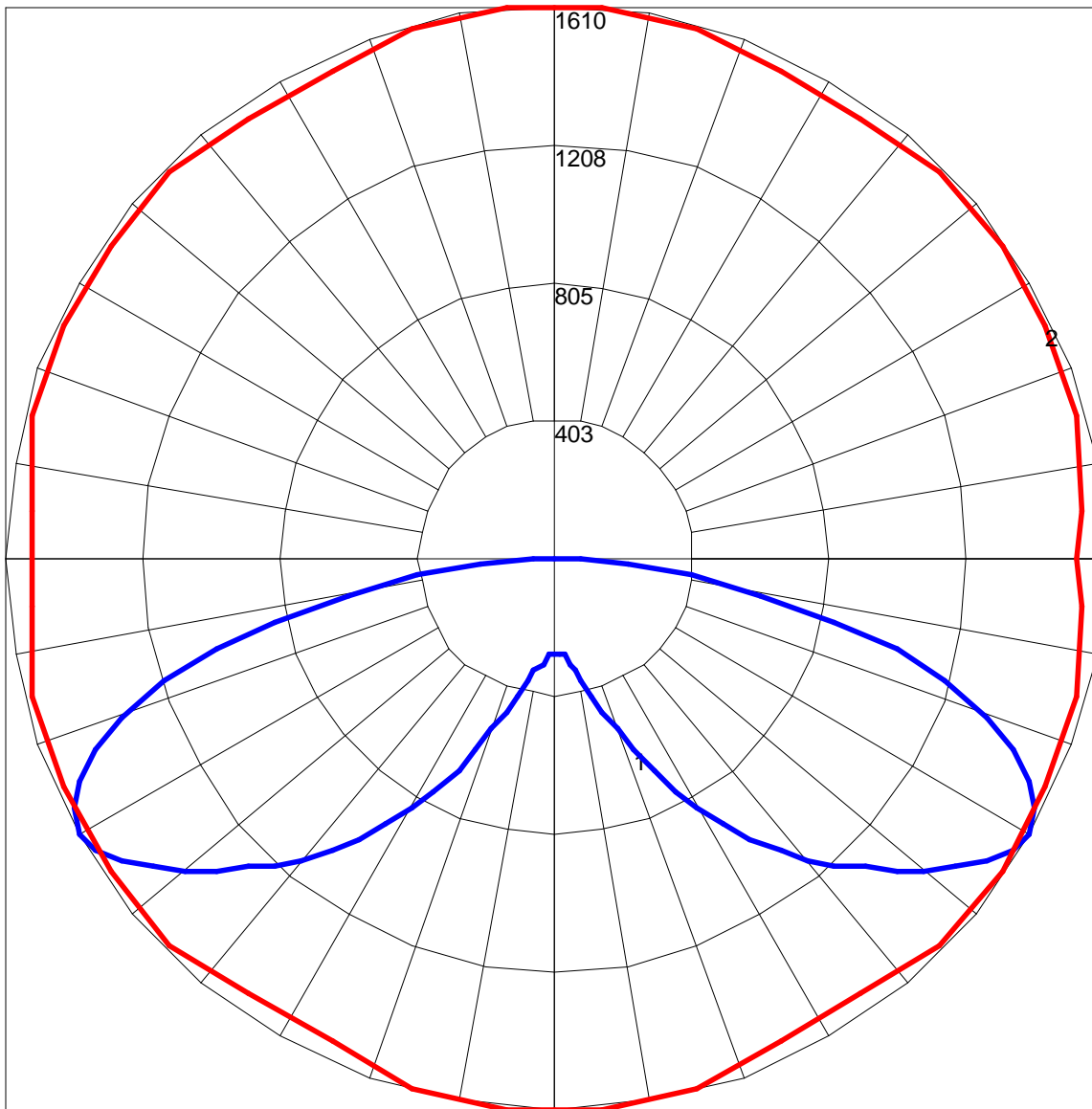
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	51	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 = 1610 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.)