



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-10594\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUEDATE]10/17/18  
[TESTDATE]09/21/18  
[MANUFAC]LSI INDUSTRIES, INC  
[LUMCAT]EXN-EGLED-06L-T5W-40-70CRI-HSS  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[OTHER]SCALED FROM ORIGINAL TEST DATA

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4359
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	44
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	3.98
Spacing Criterion (90-270)	3.72
Spacing Criterion (Diagonal)	3.16
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	18956	18715	16202
55	26678	27294	22754
65	34351	35920	28318
75	36579	38506	26893
85	23875	24503	12985

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

**CANDELA TABULATION**

	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>22.5</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
<b>0.0</b>	251.393	251.393	251.393	251.393	251.393	251.393	251.393	251.393	251.393	251.393
<b>2.5</b>	251.393	251.955	251.393	251.955	251.393	251.955	251.955	252.518	252.518	253.080
<b>5.0</b>	259.829	260.391	259.829	260.954	259.829	260.954	260.954	261.516	262.078	262.641
<b>7.5</b>	276.138	276.701	277.263	277.826	277.263	277.826	277.826	278.388	278.950	279.513
<b>10.0</b>	302.009	302.571	302.571	303.696	304.821	303.134	303.134	303.134	303.696	304.258
<b>12.5</b>	336.315	336.878	339.690	338.002	339.690	339.127	336.315	336.315	336.878	337.440
<b>15.0</b>	381.307	384.119	384.682	382.432	384.119	382.994	379.620	379.058	379.058	378.495
<b>17.5</b>	435.298	438.672	439.234	435.860	437.547	435.860	434.735	432.486	429.111	429.674
<b>20.0</b>	505.598	502.223	503.348	498.286	499.974	497.724	496.037	491.538	485.914	485.914
<b>22.5</b>	577.585	574.210	574.773	572.523	570.836	567.462	563.525	560.713	552.277	547.215
<b>25.0</b>	656.883	654.071	653.509	650.697	649.010	643.948	637.762	632.700	621.452	614.141
<b>27.5</b>	742.930	744.055	736.744	736.744	731.120	724.371	718.185	708.624	697.938	685.566
<b>30.0</b>	830.665	831.790	821.104	820.542	814.918	809.294	796.921	785.110	771.050	755.303
<b>32.5</b>	916.712	918.962	910.526	904.339	898.153	889.717	876.219	859.910	842.475	823.916
<b>35.0</b>	996.010	999.385	992.636	986.450	983.075	969.015	952.706	931.897	911.650	890.279
<b>37.5</b>	1064.061	1068.560	1067.998	1062.936	1062.374	1043.814	1025.255	1001.634	978.014	952.706
<b>40.0</b>	1125.362	1129.862	1133.798	1130.986	1130.986	1116.926	1092.181	1069.122	1041.002	1010.633
<b>42.5</b>	1181.040	1189.476	1192.288	1192.288	1192.850	1182.165	1159.106	1132.111	1100.054	1065.186
<b>45.0</b>	1238.967	1244.591	1251.340	1250.778	1252.465	1244.029	1223.220	1191.726	1157.419	1124.238
<b>47.5</b>	1291.270	1298.019	1310.392	1310.392	1309.830	1302.518	1286.771	1254.714	1215.909	1180.478
<b>50.0</b>	1341.324	1350.322	1367.194	1368.319	1364.945	1358.196	1349.760	1310.392	1272.149	1235.030
<b>52.5</b>	1384.629	1396.439	1418.373	1420.060	1417.248	1411.624	1403.188	1359.883	1319.390	1286.771
<b>55.0</b>	1414.436	1432.995	1458.866	1463.927	1461.115	1459.428	1447.055	1398.126	1354.822	1325.014
<b>57.5</b>	1428.496	1452.679	1485.298	1489.798	1488.673	1486.986	1475.175	1419.498	1375.068	1345.823
<b>60.0</b>	1423.997	1451.554	1485.861	1489.798	1490.360	1489.798	1479.674	1420.060	1373.943	1343.574
<b>62.5</b>	1399.251	1426.246	1460.553	1464.490	1465.052	1465.614	1455.491	1397.002	1350.322	1313.204
<b>65.0</b>	1341.886	1375.630	1407.125	1411.062	1413.874	1413.874	1403.188	1349.198	1298.019	1256.402
<b>67.5</b>	1262.026	1298.582	1326.139	1332.888	1334.013	1334.575	1322.202	1265.400	1221.533	1173.166
<b>70.0</b>	1154.607	1196.225	1218.158	1225.470	1225.470	1226.594	1208.598	1162.481	1115.239	1065.186
<b>72.5</b>	1024.693	1070.247	1087.119	1085.432	1092.181	1092.743	1076.434	1035.941	989.824	930.210
<b>75.0</b>	875.094	914.462	932.459	929.085	935.834	928.522	921.211	888.030	843.600	782.861
<b>77.5</b>	711.998	745.180	740.118	754.178	742.930	752.491	746.305	720.997	679.379	619.765
<b>80.0</b>	541.029	553.402	553.402	567.462	557.901	556.776	559.026	540.466	503.910	450.482
<b>82.5</b>	351.500	369.497	367.810	380.745	373.434	371.746	364.435	359.374	322.818	281.762
<b>85.0</b>	192.341	200.214	200.214	201.339	203.589	201.902	197.402	179.968	169.845	144.537
<b>87.5</b>	64.676	66.926	67.488	66.926	68.613	68.050	62.426	57.365	49.491	44.992
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.  
Angles**

**Horizontal Angles**

	<u>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
<b>0.0</b>	251.393	251.393	251.393	251.393	251.393	251.393	251.393	251.393	251.393	251.393
<b>2.5</b>	253.080	253.080	253.080	253.080	252.518	252.518	251.955	251.955	251.393	251.955
<b>5.0</b>	262.641	262.641	262.641	263.203	263.203	263.203	263.203	262.641	262.641	262.641
<b>7.5</b>	280.638	280.638	279.513	280.075	280.075	280.075	280.075	280.075	280.075	280.075
<b>10.0</b>	305.946	305.946	304.821	304.821	304.821	304.258	304.821	305.946	304.821	304.821
<b>12.5</b>	338.565	338.565	338.565	336.878	335.753	335.190	337.440	337.440	338.002	336.315
<b>15.0</b>	379.058	379.058	378.495	376.246	375.121	373.996	375.683	375.121	376.246	376.246
<b>17.5</b>	426.299	425.174	424.612	421.238	420.113	420.113	419.550	417.863	418.426	418.988
<b>20.0</b>	480.290	478.040	476.915	472.978	469.604	469.604	468.479	465.667	465.667	466.792
<b>22.5</b>	539.904	537.092	534.842	531.468	525.844	521.345	519.658	517.408	516.283	516.846
<b>25.0</b>	604.580	600.643	596.706	589.958	584.896	579.272	573.086	570.274	568.586	568.024
<b>27.5</b>	670.381	665.319	662.507	652.384	642.823	634.950	628.201	622.577	619.202	616.953
<b>30.0</b>	740.118	729.433	724.934	710.874	698.501	687.815	678.817	671.506	667.569	665.882

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

**CANDELA TABULATION - (Cont.)**

32.5	804.794	795.796	785.673	767.114	750.242	736.744	726.058	718.747	712.561	706.937
35.0	867.221	854.848	843.038	820.542	797.483	779.486	767.676	757.553	749.117	741.806
37.5	925.148	912.213	896.466	867.783	839.663	817.730	801.982	790.172	778.924	767.676
40.0	981.388	962.266	944.270	908.838	876.782	850.349	828.415	812.668	797.483	783.986
42.5	1032.566	1010.633	992.074	945.957	908.276	876.219	849.224	827.853	808.169	790.734
45.0	1082.620	1058.999	1034.816	984.200	934.709	896.466	864.409	835.164	809.856	789.610
47.5	1129.862	1103.429	1074.184	1019.069	958.892	910.526	872.845	832.914	800.858	778.362
50.0	1175.416	1145.046	1111.302	1050.001	974.639	917.274	871.720	819.417	779.486	752.491
52.5	1217.596	1181.040	1145.046	1072.497	981.950	913.900	857.098	794.109	743.493	709.186
55.0	1252.465	1206.348	1169.230	1082.620	976.326	894.778	826.166	751.929	689.502	640.574
57.5	1267.650	1214.784	1175.978	1076.434	953.830	858.222	776.112	681.066	608.517	550.027
60.0	1259.214	1202.411	1159.106	1048.876	912.213	801.982	700.750	592.207	501.098	427.986
62.5	1224.345	1165.855	1115.802	998.260	851.474	726.058	607.392	483.664	377.370	290.198
65.0	1165.293	1106.241	1050.563	921.211	771.050	627.638	497.162	360.498	242.394	147.911
67.5	1080.370	1020.194	961.704	825.603	661.945	513.471	379.058	236.770	120.354	33.744
70.0	971.265	915.025	850.349	708.624	550.027	399.304	264.890	134.414	42.180	0.562
72.5	842.475	791.297	717.060	586.583	433.610	290.761	163.658	68.050	10.123	0.000
75.0	692.877	643.386	582.084	460.043	321.693	196.840	95.046	30.370	1.125	0.000
77.5	531.468	489.850	441.484	335.753	221.023	123.166	52.866	11.248	0.000	0.000
80.0	379.620	345.314	307.070	222.710	138.913	70.300	25.870	3.937	0.000	0.000
82.5	237.895	213.150	182.218	125.978	74.237	34.869	11.810	1.125	0.000	0.000
85.0	118.666	104.606	87.172	58.490	31.494	14.622	3.937	0.000	0.000	0.000
87.5	35.994	30.932	24.746	14.622	7.874	3.374	0.562	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Horizontal Angles**

	<b>175.0</b>	<b>180.0</b>
0.0	251.393	251.393
2.5	251.955	251.393
5.0	262.641	262.641
7.5	280.075	280.075
10.0	304.258	304.258
12.5	335.190	335.753
15.0	373.434	373.434
17.5	418.426	416.176
20.0	465.667	463.418
22.5	517.408	516.846
25.0	568.024	567.462
27.5	618.078	617.515
30.0	664.194	663.070
32.5	704.125	702.438
35.0	736.744	733.932
37.5	762.052	758.678
40.0	777.799	774.425
42.5	783.423	779.486
45.0	778.362	773.300
47.5	760.927	753.616
50.0	728.870	722.122
52.5	679.942	672.630
55.0	608.517	600.081
57.5	511.222	502.223
60.0	388.056	378.495
62.5	237.895	237.333
65.0	89.422	87.734
67.5	0.000	0.000

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

**CANDELA TABULATION - (Cont.)**

<b>70.0</b>	0.000	0.000
<b>72.5</b>	0.000	0.000
<b>75.0</b>	0.000	0.000
<b>77.5</b>	0.000	0.000
<b>80.0</b>	0.000	0.000
<b>82.5</b>	0.000	0.000
<b>85.0</b>	0.000	0.000
<b>87.5</b>	0.000	0.000
<b>90.0</b>	0.000	0.000

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

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	137.71	N.A.	3.20
0-30	422.53	N.A.	9.70
0-40	963.24	N.A.	22.10
0-60	2761.68	N.A.	63.40
0-80	4229.5	N.A.	97.00
0-90	4359.03	N.A.	100.00
10-90	4332.68	N.A.	99.40
20-40	825.53	N.A.	18.90
20-50	1628.88	N.A.	37.40
40-70	2711.99	N.A.	62.20
60-80	1467.82	N.A.	33.70
70-80	554.27	N.A.	12.70
80-90	129.54	N.A.	3.00
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	4359.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	26.36
10-20	111.35
20-30	284.82
30-40	540.70
40-50	803.35
50-60	995.09
60-70	913.55
70-80	554.27
80-90	129.54
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

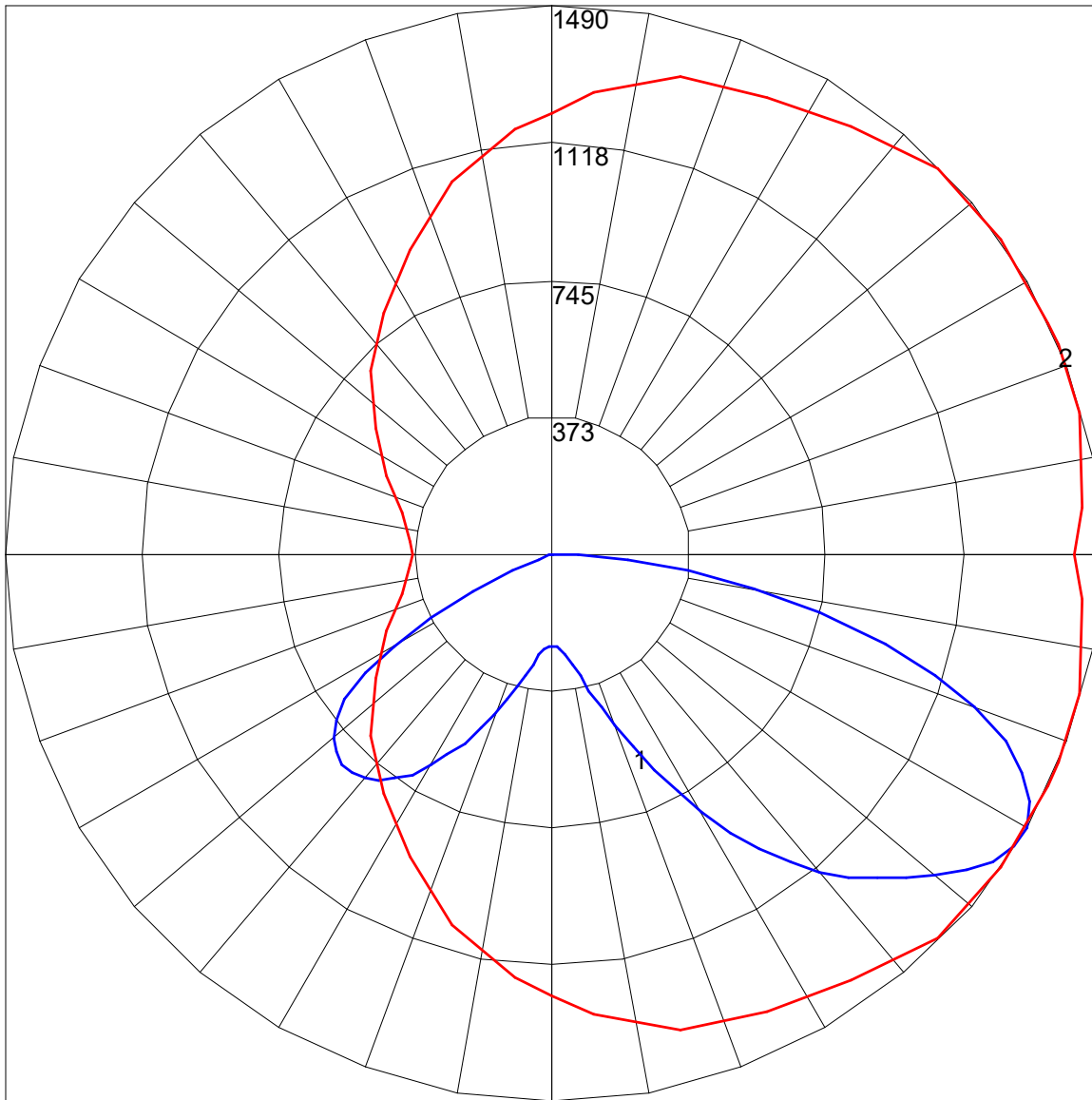
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EXN-EGLED-06L-T5W-40-70CRI-HSS.IES**

**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	106	100	94	90	103	97	92	88	93	89	85	89	86	83	85	83	80	78
2	94	83	75	68	91	81	73	67	77	71	65	74	68	63	71	66	62	59
3	83	70	60	52	80	68	59	52	65	57	51	62	55	50	60	54	49	46
4	74	60	49	41	72	58	49	41	56	47	40	53	46	40	51	44	39	36
5	67	52	41	33	65	51	41	33	48	39	33	46	38	32	44	37	32	29
6	61	45	35	27	59	44	34	27	42	33	27	41	33	27	39	32	26	24
7	56	40	30	23	54	39	30	23	38	29	22	36	28	22	34	27	22	20
8	51	36	26	19	50	35	26	19	34	25	19	32	25	19	31	24	19	17
9	48	32	23	17	46	32	23	17	30	22	16	29	22	16	28	21	16	14
10	44	29	20	14	43	29	20	14	28	20	14	27	19	14	26	19	14	12

POLAR GRAPH



Maximum Candela = 1490.36 Located At Horizontal Angle = 25, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)