



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5W-50-70CRI.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-10492\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]09/21/18  
[TEST DATE]08/07/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]EXN-EGLED-05L-T5W-50-70CRI  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]SCALED FROM ORIGINAL TEST DATA  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCE TYPE] LED  
[SEARCH\_APPLICATION] Outdoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5240
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	17599	17710	17682
55	25491	26223	26359
65	33719	35128	35543
75	36919	38390	38843
85	24301	24301	24413

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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	231.738	231.738	231.738	231.738	231.738	231.738	231.738	231.738	231.738	231.738
2.5	232.575	232.575	232.575	232.575	232.575	232.575	232.575	232.575	231.738	232.575
5.0	240.941	240.941	241.777	241.777	241.777	240.941	240.941	240.941	240.941	240.941
7.5	256.836	257.673	258.509	258.509	257.673	256.836	256.836	256.836	256.836	256.836
10.0	279.424	280.261	281.098	281.098	281.098	279.424	279.424	278.588	279.424	280.261
12.5	310.379	311.215	312.052	312.052	312.052	310.379	309.542	309.542	310.379	312.052
15.0	348.862	350.535	351.372	351.372	350.535	348.862	348.026	348.862	348.862	350.535
17.5	396.548	396.548	396.548	395.712	395.712	395.712	394.039	395.712	395.712	395.712
20.0	451.764	450.091	450.091	448.418	447.581	448.418	448.418	447.581	449.254	447.581
22.5	510.326	509.489	508.653	506.980	506.980	506.980	508.653	507.816	507.816	506.143
25.0	573.908	573.071	572.234	571.398	571.398	572.234	571.398	571.398	573.071	570.561
27.5	641.672	641.672	640.836	639.162	638.326	638.326	638.326	638.326	639.162	638.326
30.0	709.437	710.273	708.600	708.600	707.764	708.600	706.090	706.090	706.927	708.600
32.5	775.528	776.365	777.201	778.038	777.201	774.692	772.182	771.345	773.018	774.692
35.0	839.110	840.783	843.293	845.803	842.456	839.946	835.763	834.927	838.273	839.946
37.5	901.018	902.691	906.874	908.548	906.038	901.855	896.835	896.835	900.182	901.855
40.0	960.417	962.090	967.110	968.783	964.600	960.417	956.234	955.397	957.907	961.253
42.5	1015.632	1019.815	1023.162	1023.998	1021.489	1017.306	1011.449	1011.449	1013.959	1017.306
45.0	1066.665	1071.685	1077.541	1077.541	1076.704	1073.358	1064.992	1064.155	1070.011	1072.521
47.5	1120.207	1122.717	1134.430	1132.756	1131.920	1131.083	1119.371	1117.698	1130.247	1129.410
50.0	1169.567	1172.077	1188.809	1187.135	1187.135	1187.972	1172.077	1172.077	1188.809	1186.299
52.5	1216.416	1221.436	1241.514	1240.678	1241.514	1244.024	1223.946	1223.946	1246.534	1244.024
55.0	1253.227	1260.756	1285.854	1286.691	1289.201	1289.201	1265.776	1266.612	1293.384	1295.057
57.5	1274.978	1285.854	1315.972	1320.991	1321.828	1321.828	1293.384	1295.057	1328.521	1332.704
60.0	1277.488	1290.874	1325.174	1330.194	1332.704	1332.704	1300.076	1304.259	1341.070	1346.089
62.5	1260.756	1274.142	1307.606	1312.625	1315.972	1317.645	1285.854	1290.874	1326.011	1330.194
65.0	1221.436	1231.475	1263.266	1269.959	1273.305	1272.469	1244.024	1249.880	1281.671	1288.364
67.5	1154.508	1163.711	1195.501	1202.194	1206.377	1204.704	1176.260	1181.279	1213.907	1221.436
70.0	1060.809	1072.521	1102.639	1109.332	1112.678	1111.841	1080.051	1085.070	1118.534	1126.064
72.5	949.541	957.070	988.025	992.208	994.717	993.044	967.110	972.966	998.900	1006.430
75.0	819.031	824.051	847.476	852.495	853.332	851.659	833.254	839.110	859.188	858.352
77.5	671.790	670.953	683.502	676.809	686.012	693.541	682.666	686.849	699.398	692.705
80.0	511.163	509.489	508.653	507.816	507.816	521.202	518.692	522.875	522.038	517.855
82.5	344.679	339.660	337.986	338.823	338.823	343.843	350.535	348.862	343.843	343.006
85.0	181.542	180.706	180.706	182.379	182.379	181.542	188.235	181.542	184.052	184.889
87.5	52.706	56.889	56.889	57.725	57.725	56.889	56.052	53.542	58.562	58.562
90.0	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>90</u>
0.0	231.738
2.5	232.575
5.0	241.777
7.5	257.673
10.0	281.098
12.5	312.052
15.0	349.699
17.5	394.875
20.0	447.581
22.5	506.143
25.0	570.561
27.5	637.489
30.0	706.090

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**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	772.182
<b>35.0</b>	840.783
<b>37.5</b>	901.855
<b>40.0</b>	962.090
<b>42.5</b>	1015.632
<b>45.0</b>	1071.685
<b>47.5</b>	1128.573
<b>50.0</b>	1185.462
<b>52.5</b>	1243.188
<b>55.0</b>	1295.893
<b>57.5</b>	1333.540
<b>60.0</b>	1346.926
<b>62.5</b>	1330.194
<b>65.0</b>	1287.527
<b>67.5</b>	1221.436
<b>70.0</b>	1126.900
<b>72.5</b>	1006.430
<b>75.0</b>	861.698
<b>77.5</b>	698.561
<b>80.0</b>	511.163
<b>82.5</b>	340.496
<b>85.0</b>	182.379
<b>87.5</b>	57.725
<b>90.0</b>	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	127.41	N.A.	2.40
0-30	396.74	N.A.	7.60
0-40	926.29	N.A.	17.70
0-60	2900.22	N.A.	55.30
0-80	5011.56	N.A.	95.60
0-90	5240.00	N.A.	100.00
10-90	5215.72	N.A.	99.50
20-40	798.88	N.A.	15.20
20-50	1631.63	N.A.	31.10
40-70	3207.81	N.A.	61.20
60-80	2111.34	N.A.	40.30
70-80	877.46	N.A.	16.70
80-90	228.44	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	5240.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	24.28
10-20	103.13
20-30	269.33
30-40	529.55
40-50	832.75
50-60	1141.18
60-70	1233.88
70-80	877.46
80-90	228.44
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

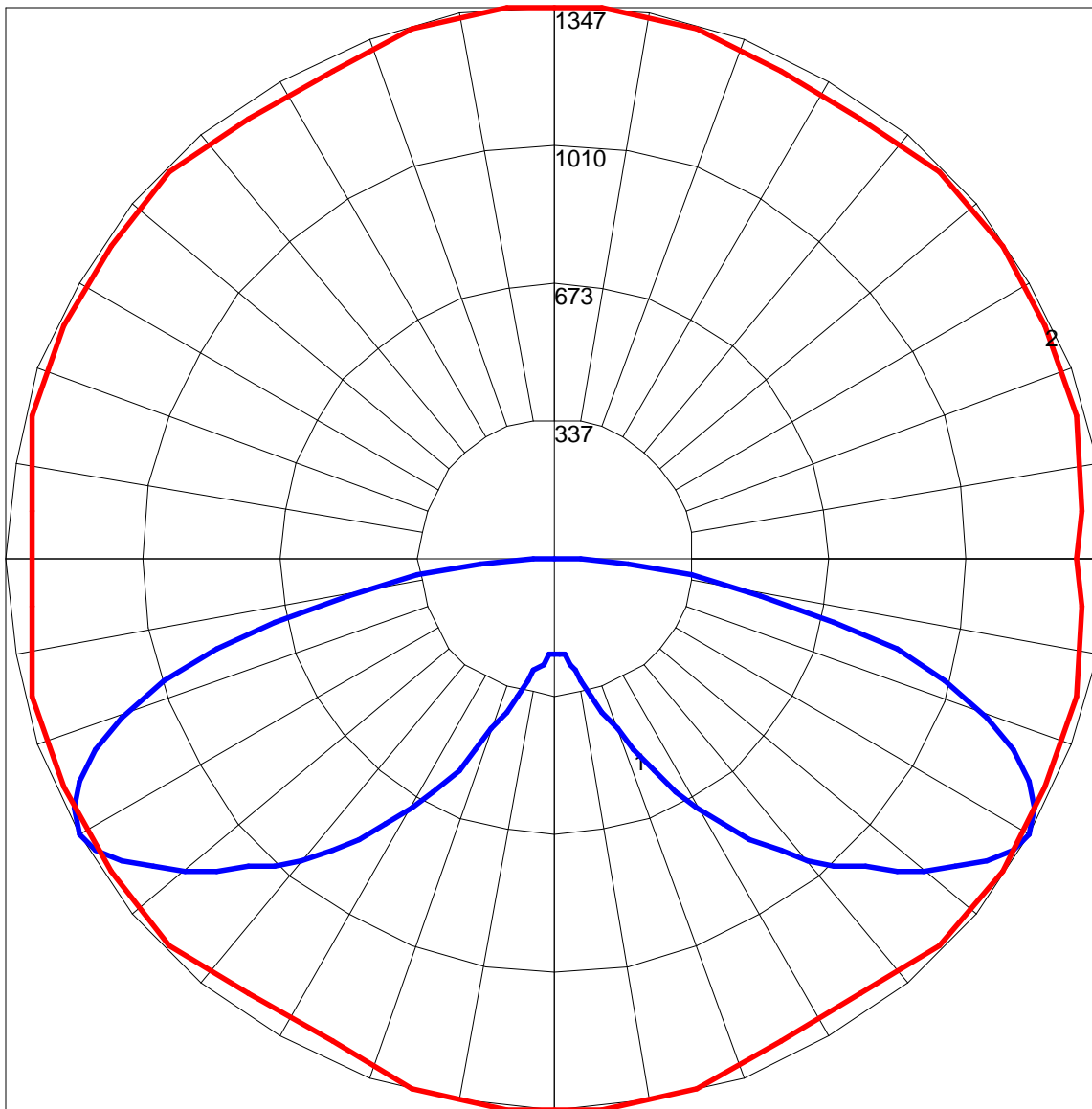
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	62	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 = 1346.926 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.)