



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5N-50-70CRI.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-10477\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]09/21/18  
[TEST DATE]08/04/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]EXN-EGLED-05L-T5N-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	5340
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	37
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	19284	19233	19259
55	22858	22748	22763
65	25367	25281	25153
75	25958	25783	25153
85	19635	17869	17869

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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	723.116	723.116	723.116	723.116	723.116	723.116	723.116	723.116	723.116	723.116
2.5	724.790	724.790	724.790	724.790	724.790	723.953	724.790	724.790	724.790	724.790
5.0	732.322	731.486	731.486	731.486	732.322	731.486	732.322	732.322	732.322	732.322
7.5	744.877	744.877	744.040	744.040	744.040	745.714	744.877	744.877	744.877	744.877
10.0	764.126	764.126	764.963	764.126	764.126	764.126	764.126	764.963	764.126	764.963
12.5	788.397	788.397	789.234	790.071	789.234	789.234	789.234	788.397	788.397	789.234
15.0	819.364	819.364	821.038	821.038	820.201	820.201	819.364	819.364	819.364	820.201
17.5	856.190	857.027	857.027	857.863	857.863	857.027	856.190	856.190	857.027	857.863
20.0	896.363	897.200	898.874	898.874	898.874	898.037	896.363	896.363	898.874	898.874
22.5	941.557	943.231	943.231	943.231	943.231	944.068	942.394	943.231	943.231	944.068
25.0	991.774	990.937	990.937	990.937	990.937	991.774	990.937	992.611	990.937	990.937
27.5	1042.827	1041.153	1039.479	1039.479	1039.479	1040.316	1041.153	1041.990	1040.316	1039.479
30.0	1089.696	1088.022	1086.348	1086.348	1086.348	1087.185	1088.859	1088.022	1087.185	1086.348
32.5	1132.380	1132.380	1130.706	1129.869	1129.869	1130.706	1131.543	1131.543	1131.543	1129.869
35.0	1171.716	1171.716	1170.042	1168.368	1169.205	1170.879	1170.879	1170.879	1170.879	1170.042
37.5	1204.357	1204.357	1203.520	1202.683	1201.846	1202.683	1202.683	1202.683	1203.520	1203.520
40.0	1230.302	1230.302	1230.302	1229.465	1228.628	1228.628	1228.628	1229.465	1229.465	1229.465
42.5	1248.714	1249.551	1248.714	1248.714	1247.041	1247.041	1247.041	1247.878	1247.878	1248.714
45.0	1260.432	1261.269	1259.595	1258.758	1257.921	1257.084	1258.758	1258.758	1258.758	1258.758
47.5	1263.779	1263.779	1262.942	1259.595	1258.758	1259.595	1260.432	1261.269	1261.269	1260.432
50.0	1257.084	1255.410	1256.247	1252.062	1251.225	1252.062	1251.225	1251.225	1254.573	1252.899
52.5	1238.671	1237.834	1238.671	1235.323	1233.650	1234.486	1231.976	1232.813	1236.160	1236.160
55.0	1211.889	1210.215	1211.052	1207.704	1206.031	1206.031	1204.357	1206.031	1208.541	1208.541
57.5	1174.227	1173.390	1173.390	1170.042	1166.694	1166.694	1167.531	1168.368	1170.042	1170.879
60.0	1123.173	1124.847	1123.173	1119.826	1117.315	1118.152	1118.152	1120.663	1122.337	1121.500
62.5	1060.403	1065.425	1063.751	1059.566	1057.055	1057.892	1058.729	1060.403	1062.077	1061.240
65.0	990.937	995.959	989.263	985.915	987.589	987.589	988.426	990.937	990.100	987.589
67.5	914.775	914.775	910.591	906.406	904.732	904.732	908.080	910.591	909.754	908.080
70.0	825.223	824.386	824.386	818.527	816.853	819.364	820.201	820.201	823.549	821.038
72.5	725.627	723.953	728.138	724.790	723.116	723.116	716.421	715.584	728.138	727.301
75.0	621.009	612.640	621.846	625.194	623.520	616.825	605.945	607.618	618.499	626.868
77.5	507.186	492.958	503.001	514.718	510.533	499.653	490.447	491.284	499.653	515.555
80.0	390.014	374.949	378.297	384.155	389.177	374.949	374.112	375.786	377.460	390.014
82.5	272.005	261.125	252.756	263.636	265.310	256.104	261.125	261.125	255.267	262.799
85.0	158.182	148.975	141.443	148.138	148.138	143.954	148.975	151.486	143.954	148.138
87.5	51.053	48.543	46.032	47.706	47.706	46.869	49.379	51.053	46.869	48.543
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	723.116
2.5	725.627
5.0	731.486
7.5	744.040
10.0	763.289
12.5	788.397
15.0	821.875
17.5	857.863
20.0	899.710
22.5	944.068
25.0	990.937
27.5	1038.643
30.0	1086.348

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**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	1129.869
<b>35.0</b>	1168.368
<b>37.5</b>	1202.683
<b>40.0</b>	1229.465
<b>42.5</b>	1248.714
<b>45.0</b>	1258.758
<b>47.5</b>	1258.758
<b>50.0</b>	1251.225
<b>52.5</b>	1234.486
<b>55.0</b>	1206.867
<b>57.5</b>	1166.694
<b>60.0</b>	1115.641
<b>62.5</b>	1052.871
<b>65.0</b>	982.568
<b>67.5</b>	903.895
<b>70.0</b>	812.669
<b>72.5</b>	711.399
<b>75.0</b>	601.760
<b>77.5</b>	489.610
<b>80.0</b>	376.623
<b>82.5</b>	251.919
<b>85.0</b>	143.954
<b>87.5</b>	49.379
<b>90.0</b>	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	306.51	N.A.	5.70
0-30	768.20	N.A.	14.40
0-40	1502.2	N.A.	28.10
0-60	3547.51	N.A.	66.40
0-80	5164.66	N.A.	96.70
0-90	5340.12	N.A.	100.00
10-90	5269.24	N.A.	98.70
20-40	1195.69	N.A.	22.40
20-50	2165.73	N.A.	40.60
40-70	3018.26	N.A.	56.50
60-80	1617.15	N.A.	30.30
70-80	644.20	N.A.	12.10
80-90	175.46	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	5340.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	70.89
10-20	235.62
20-30	461.69
30-40	734.00
40-50	970.04
50-60	1075.27
60-70	972.95
70-80	644.20
80-90	175.46
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

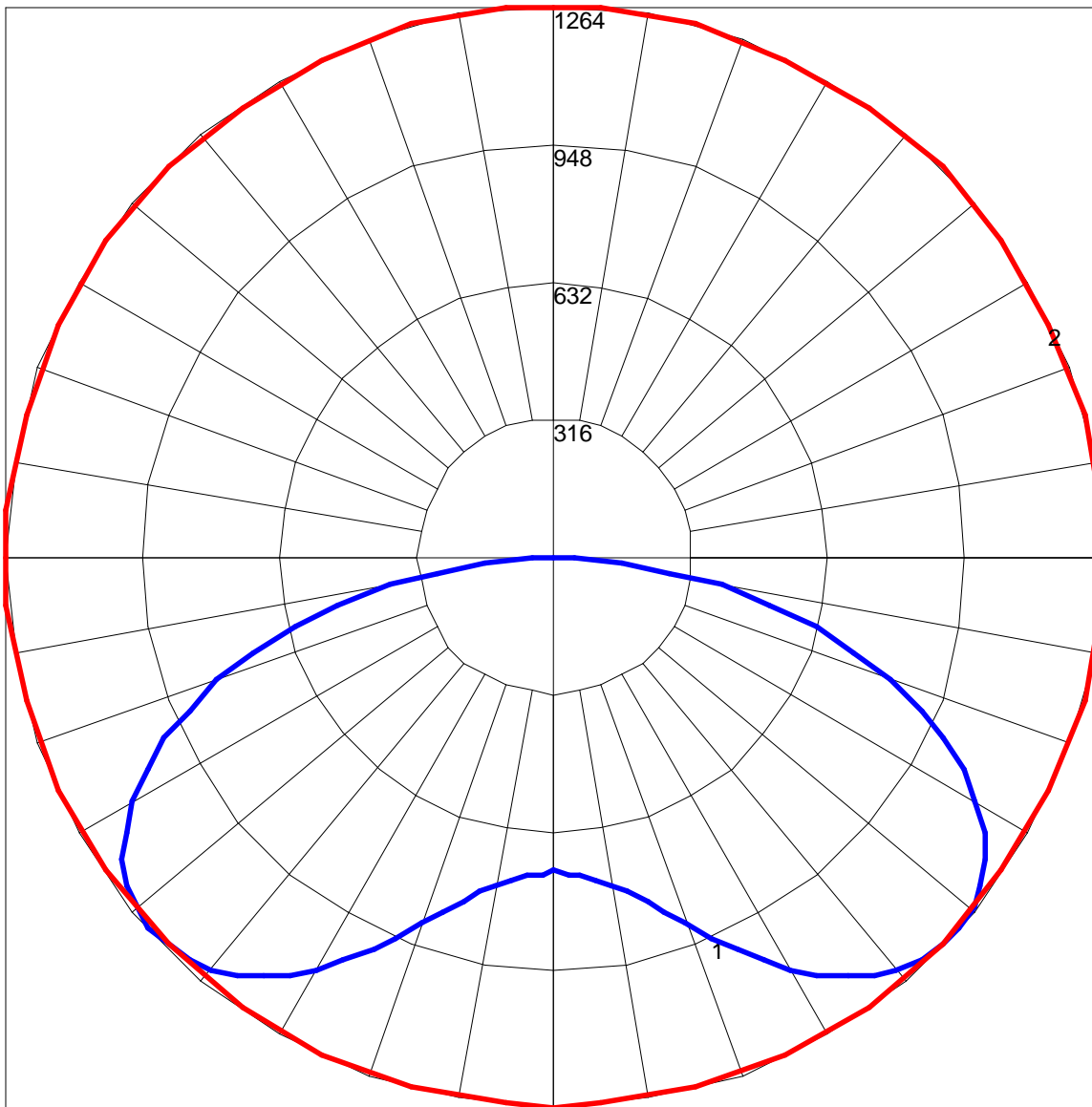
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1263.779 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.)