



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-03L-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
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]EXN-EGLED-03L-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	3140
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	22
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	10546	10612	10596
55	15275	15714	15795
65	20205	21050	21299
75	22123	23005	23276
85	14562	14562	14629

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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	138.866	138.866	138.866	138.866	138.866	138.866	138.866	138.866	138.866	138.866
2.5	139.367	139.367	139.367	139.367	139.367	139.367	139.367	139.367	138.866	139.367
5.0	144.380	144.380	144.881	144.881	144.881	144.380	144.380	144.380	144.380	144.380
7.5	153.905	154.407	154.908	154.908	154.407	153.905	153.905	153.905	153.905	153.905
10.0	167.441	167.942	168.444	168.444	168.444	167.441	167.441	166.940	167.441	167.942
12.5	185.990	186.491	186.992	186.992	186.992	185.990	185.488	185.488	185.990	186.992
15.0	209.050	210.053	210.554	210.554	210.053	209.050	208.549	209.050	209.050	210.053
17.5	237.626	237.626	237.626	237.124	237.124	237.124	236.122	237.124	237.124	237.124
20.0	270.713	269.710	269.710	268.708	268.206	268.708	268.708	268.206	269.209	268.206
22.5	305.805	305.304	304.803	303.800	303.800	303.800	304.803	304.301	304.301	303.299
25.0	343.906	343.404	342.903	342.402	342.402	342.903	342.402	342.402	343.404	341.900
27.5	384.512	384.512	384.011	383.008	382.507	382.507	382.507	382.507	383.008	382.507
30.0	425.119	425.621	424.618	424.618	424.117	424.618	423.114	423.114	423.615	424.618
32.5	464.724	465.225	465.726	466.228	465.726	464.222	462.718	462.217	463.220	464.222
35.0	502.824	503.827	505.331	506.835	504.829	503.325	500.819	500.317	502.323	503.325
37.5	539.922	540.924	543.431	544.434	542.930	540.423	537.415	537.415	539.420	540.423
40.0	575.515	576.518	579.526	580.529	578.022	575.515	573.009	572.507	574.011	576.017
42.5	608.602	611.109	613.114	613.616	612.112	609.605	606.096	606.096	607.600	609.605
45.0	639.183	642.191	645.700	645.700	645.199	643.194	638.180	637.679	641.188	642.692
47.5	671.267	672.771	679.790	678.787	678.286	677.785	670.766	669.764	677.283	676.782
50.0	700.845	702.349	712.376	711.373	711.373	711.874	702.349	702.349	712.376	710.872
52.5	728.919	731.927	743.959	743.458	743.959	745.463	733.431	733.431	746.967	745.463
55.0	750.977	755.489	770.529	771.030	772.534	772.534	758.497	758.998	775.041	776.043
57.5	764.012	770.529	788.576	791.584	792.086	792.086	775.041	776.043	796.096	798.603
60.0	765.516	773.537	794.091	797.099	798.603	798.603	779.051	781.558	803.616	806.624
62.5	755.489	763.510	783.563	786.571	788.576	789.579	770.529	773.537	794.592	797.099
65.0	731.927	737.943	756.993	761.004	763.009	762.508	745.463	748.972	768.022	772.033
67.5	691.822	697.336	716.386	720.397	722.903	721.901	704.856	707.864	727.415	731.927
70.0	635.674	642.692	660.740	664.750	666.756	666.254	647.204	650.212	670.265	674.777
72.5	568.998	573.510	592.059	594.566	596.069	595.067	579.526	583.035	598.576	603.088
75.0	490.792	493.800	507.837	510.845	511.346	510.344	499.315	502.824	514.856	514.354
77.5	402.560	402.059	409.578	405.568	411.082	415.594	409.077	411.584	419.104	415.093
80.0	306.307	305.304	304.803	304.301	304.301	312.322	310.818	313.325	312.824	310.317
82.5	206.544	203.536	202.533	203.035	203.035	206.043	210.053	209.050	206.043	205.541
85.0	108.786	108.285	108.285	109.288	109.288	108.786	112.797	108.786	110.290	110.792
87.5	31.583	34.090	34.090	34.591	34.591	34.090	33.588	32.084	35.092	35.092
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	138.866
2.5	139.367
5.0	144.881
7.5	154.407
10.0	168.444
12.5	186.992
15.0	209.552
17.5	236.623
20.0	268.206
22.5	303.299
25.0	341.900
27.5	382.006
30.0	423.114

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CANDELA TABULATION - (Cont.)

32.5	462.718
35.0	503.827
37.5	540.423
40.0	576.518
42.5	608.602
45.0	642.191
47.5	676.281
50.0	710.370
52.5	744.962
55.0	776.545
57.5	799.104
60.0	807.125
62.5	797.099
65.0	771.531
67.5	731.927
70.0	675.278
72.5	603.088
75.0	516.360
77.5	418.602
80.0	306.307
82.5	204.037
85.0	109.288
87.5	34.591
90.0	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	76.35	N.A.	2.40
0-30	237.74	N.A.	7.60
0-40	555.07	N.A.	17.70
0-60	1737.91	N.A.	55.30
0-80	3003.1	N.A.	95.60
0-90	3139.99	N.A.	100.00
10-90	3125.44	N.A.	99.50
20-40	478.72	N.A.	15.20
20-50	977.73	N.A.	31.10
40-70	1922.23	N.A.	61.20
60-80	1265.19	N.A.	40.30
70-80	525.80	N.A.	16.70
80-90	136.89	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	3139.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	14.55
10-20	61.80
20-30	161.39
30-40	317.32
40-50	499.01
50-60	683.83
60-70	739.39
70-80	525.80
80-90	136.89
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

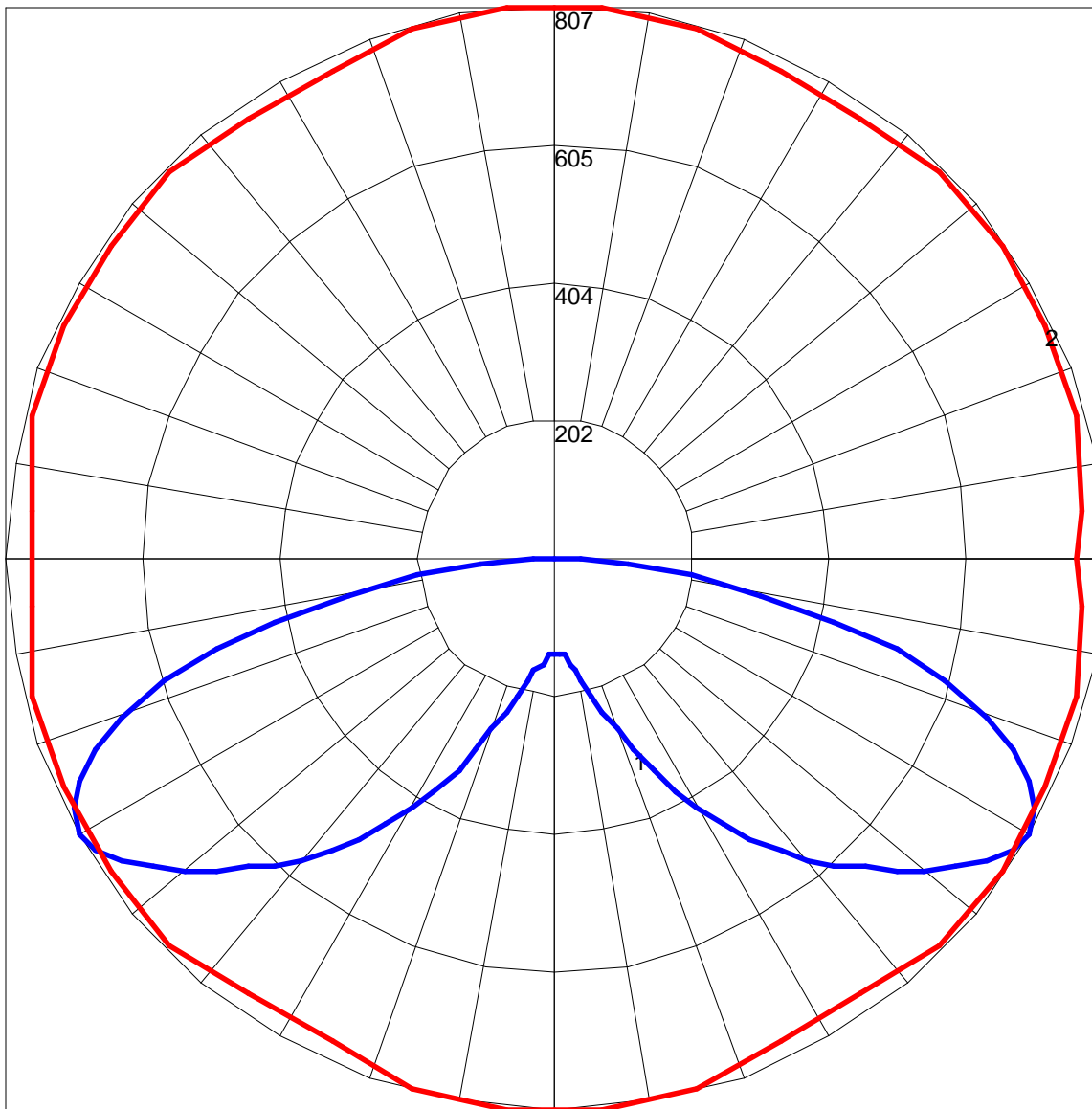
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 807.125 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.)