



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-03L-T5N-40-70CRI.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-03L-T5N-40-70CRI
[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	3200
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	22
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	11556	11525	11541
55	13698	13632	13641
65	15201	15150	15073
75	15555	15451	15073
85	11766	10708	10708

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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	433.331	433.331	433.331	433.331	433.331	433.331	433.331	433.331	433.331	433.331
2.5	434.334	434.334	434.334	434.334	434.334	433.832	434.334	434.334	434.334	434.334
5.0	438.848	438.346	438.346	438.346	438.848	438.346	438.848	438.848	438.848	438.848
7.5	446.371	446.371	445.869	445.869	445.869	446.872	446.371	446.371	446.371	446.371
10.0	457.906	457.906	458.408	457.906	457.906	457.906	457.906	458.408	457.906	458.408
12.5	472.451	472.451	472.952	473.454	472.952	472.952	472.952	472.952	472.451	472.952
15.0	491.008	491.008	492.011	492.011	491.509	491.509	491.008	491.008	491.008	491.509
17.5	513.075	513.577	513.577	514.079	514.079	513.577	513.075	513.075	513.577	514.079
20.0	537.149	537.651	538.654	538.654	538.654	538.152	537.149	537.149	538.654	538.654
22.5	564.233	565.236	565.236	565.236	565.236	565.737	564.734	565.236	565.236	565.737
25.0	594.325	593.823	593.823	593.823	593.823	594.325	593.823	594.826	593.823	593.823
27.5	624.919	623.916	622.913	622.913	622.913	623.414	623.916	624.417	623.414	622.913
30.0	653.005	652.002	650.999	650.999	650.999	651.500	652.504	652.002	651.500	650.999
32.5	678.584	678.584	677.581	677.079	677.079	677.581	678.082	678.082	678.082	677.079
35.0	702.156	702.156	701.153	700.150	700.651	701.654	701.654	701.654	701.654	701.153
37.5	721.716	721.716	721.215	720.713	720.211	720.713	720.713	720.713	721.215	721.215
40.0	737.264	737.264	737.264	736.762	736.261	736.261	736.261	736.762	736.762	736.762
42.5	748.298	748.799	748.298	748.298	747.295	747.295	747.295	747.796	747.796	748.298
45.0	755.319	755.821	754.818	754.316	753.815	753.313	754.316	754.316	754.316	754.316
47.5	757.325	757.325	756.824	754.818	754.316	754.818	755.319	755.821	755.821	755.319
50.0	753.313	752.310	752.812	750.304	749.802	750.304	749.802	749.802	751.808	750.805
52.5	742.279	741.778	742.279	740.273	739.270	739.772	738.267	738.768	740.775	740.775
55.0	726.230	725.227	725.728	723.722	722.719	722.719	721.716	722.719	724.224	724.224
57.5	703.661	703.159	703.159	701.153	699.147	699.147	699.648	700.150	701.153	701.654
60.0	673.067	674.070	673.067	671.061	669.556	670.057	670.057	671.562	672.565	672.064
62.5	635.451	638.460	637.457	634.950	633.445	633.947	634.448	635.451	636.454	635.953
65.0	593.823	596.833	592.820	590.814	591.817	591.817	592.319	593.823	593.322	591.817
67.5	548.183	548.183	545.676	543.168	542.165	542.165	544.171	545.676	545.174	544.171
70.0	494.518	494.017	494.017	490.506	489.503	491.008	491.509	491.509	493.515	492.011
72.5	434.835	433.832	436.340	434.334	433.331	433.331	429.318	428.817	436.340	435.838
75.0	372.143	367.127	372.644	374.650	373.647	369.635	363.115	364.118	370.638	375.653
77.5	303.933	295.407	301.426	308.447	305.939	299.419	293.902	294.404	299.419	308.949
80.0	233.718	224.690	226.696	230.207	233.216	224.690	224.188	225.191	226.195	233.718
82.5	163.001	156.480	151.465	157.985	158.988	153.471	156.480	156.480	152.970	157.484
85.0	94.791	89.274	84.760	88.773	88.773	86.265	89.274	90.779	86.265	88.773
87.5	30.594	29.089	27.585	28.588	28.588	28.086	29.591	30.594	28.086	29.089
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

	<u>90</u>
0.0	433.331
2.5	434.835
5.0	438.346
7.5	445.869
10.0	457.404
12.5	472.451
15.0	492.512
17.5	514.079
20.0	539.156
22.5	565.737
25.0	593.823
27.5	622.411
30.0	650.999

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CANDELA TABULATION - (Cont.)

32.5	677.079
35.0	700.150
37.5	720.713
40.0	736.762
42.5	748.298
45.0	754.316
47.5	754.316
50.0	749.802
52.5	739.772
55.0	723.221
57.5	699.147
60.0	668.553
62.5	630.937
65.0	588.808
67.5	541.663
70.0	486.995
72.5	426.309
75.0	360.607
77.5	293.401
80.0	225.693
82.5	150.964
85.0	86.265
87.5	29.591
90.0	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	183.68	N.A.	5.70
0-30	460.35	N.A.	14.40
0-40	900.20	N.A.	28.10
0-60	2125.86	N.A.	66.40
0-80	3094.95	N.A.	96.70
0-90	3200.09	N.A.	100.00
10-90	3157.61	N.A.	98.70
20-40	716.52	N.A.	22.40
20-50	1297.82	N.A.	40.60
40-70	1808.71	N.A.	56.50
60-80	969.09	N.A.	30.30
70-80	386.04	N.A.	12.10
80-90	105.15	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	3200.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	42.48
10-20	141.20
20-30	276.67
30-40	439.85
40-50	581.30
50-60	644.36
60-70	583.05
70-80	386.04
80-90	105.15
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

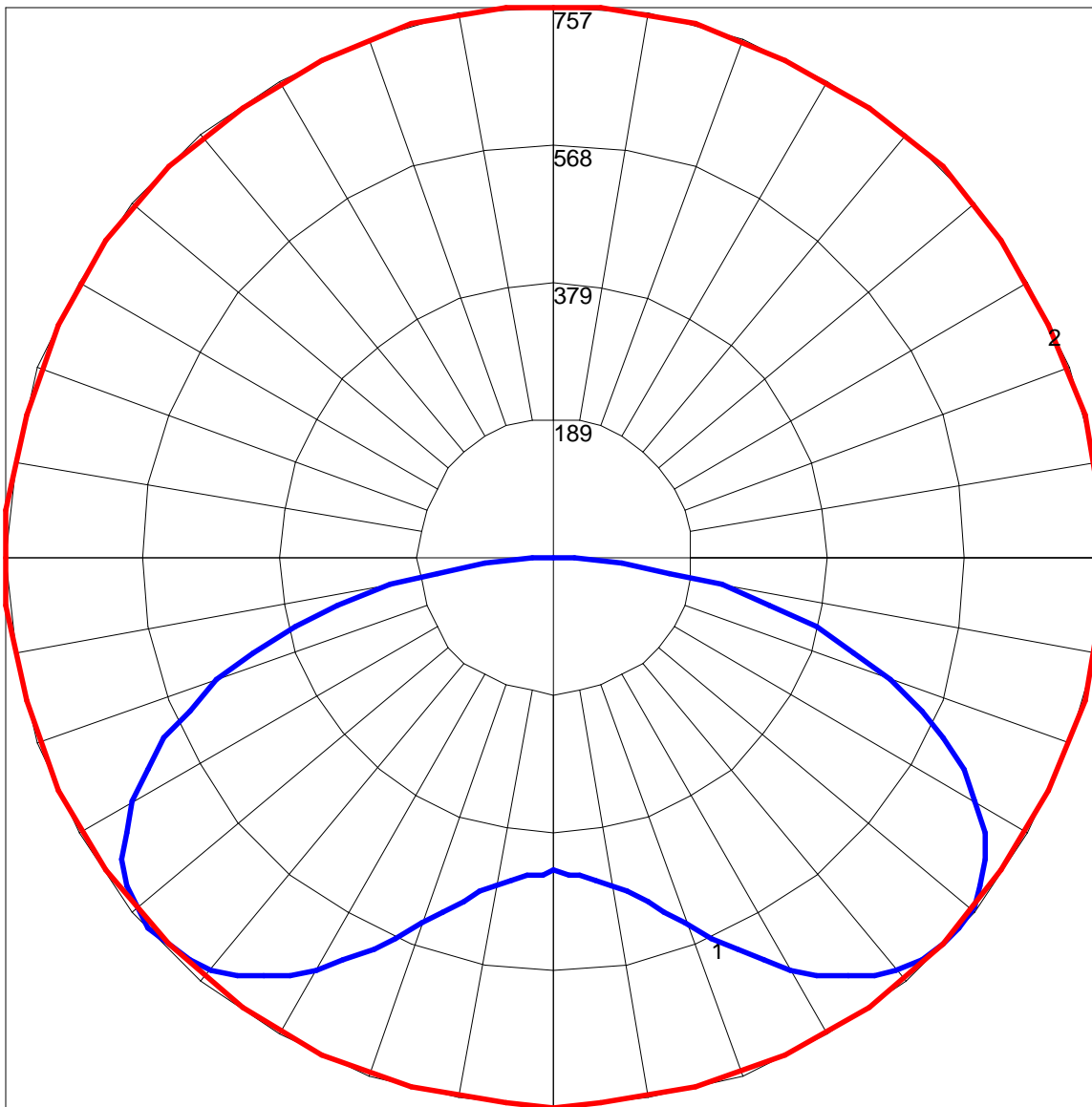
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 757.325 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.)