



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL2-LED-15L-FL-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9884_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]03/13/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]SDL2-LED-15L-FL-30
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1516
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	12.6
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.25 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6999	4749	4620
55	6402	4115	4118
65	5567	3472	3652
75	4207	2904	3208
85	1786	2436	2851

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	372.161	372.161	372.161	372.161	372.161
2.5	380.952	377.045	372.161	367.277	365.323
5.0	380.952	377.045	373.138	367.277	366.300
7.5	378.998	376.068	372.161	367.277	365.323
10.0	377.045	374.114	370.207	367.277	365.323
12.5	375.091	372.161	369.230	365.323	364.346
15.0	371.184	369.230	366.300	364.346	363.370
17.5	367.277	365.323	363.370	362.393	361.416
20.0	361.416	360.439	360.439	360.439	359.462
22.5	355.555	354.578	355.555	356.532	356.532
25.0	348.718	347.741	349.694	352.625	353.602
27.5	339.926	340.903	344.810	348.718	349.694
30.0	331.135	332.112	336.996	342.857	345.787
32.5	321.367	322.344	329.182	336.996	339.926
35.0	309.646	311.599	320.390	330.158	334.066
37.5	297.924	300.854	311.599	323.321	327.228
40.0	285.226	289.133	301.831	314.530	320.390
42.5	272.527	276.434	291.086	306.715	312.576
45.0	258.852	263.736	280.342	296.947	303.785
47.5	245.177	251.038	269.597	288.156	294.994
50.0	230.525	238.339	257.875	277.411	286.202
52.5	215.873	224.664	246.154	267.643	275.458
55.0	201.221	210.989	234.432	256.898	266.666
57.5	186.569	196.337	221.734	246.154	256.898
60.0	169.963	181.685	209.035	236.386	246.154
62.5	153.358	167.033	197.314	224.664	236.386
65.0	138.706	153.358	184.615	214.896	225.641
67.5	122.100	139.682	172.894	203.174	214.896
70.0	106.471	126.007	161.172	192.430	203.174
72.5	89.866	112.332	149.450	180.708	192.430
75.0	74.237	99.634	138.706	170.940	182.662
77.5	58.608	86.935	127.961	160.195	171.917
80.0	42.979	75.214	118.193	150.427	162.149
82.5	29.304	64.469	108.425	140.659	153.358
85.0	17.582	54.701	99.634	131.868	143.590
87.5	7.814	46.886	90.842	123.077	134.798
90.0	2.930	39.072	83.028	114.286	126.007
92.5	0.977	33.211	75.214	105.494	117.216
95.0	0.977	27.350	67.399	97.680	108.425
97.5	0.977	22.466	60.562	89.866	99.634
100.0	0.977	18.559	54.701	82.051	92.796
102.5	0.977	15.629	48.840	75.214	84.982
105.0	0.977	12.698	43.956	68.376	78.144
107.5	0.977	10.745	39.072	62.515	71.306
110.0	0.977	9.768	34.188	56.654	65.446
112.5	0.000	7.814	30.281	50.794	59.585
115.0	0.977	6.838	26.374	45.910	53.724
117.5	0.977	5.861	23.443	42.002	48.840
120.0	0.977	4.884	20.513	37.118	42.979
122.5	0.977	3.907	17.582	32.234	38.095
125.0	0.000	2.930	15.629	28.327	34.188
127.5	0.977	2.930	13.675	25.397	30.281
130.0	0.000	1.954	10.745	21.490	26.374
132.5	0.000	1.954	8.791	18.559	22.466

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CANDELA TABULATION - (Cont.)

135.0	0.000	0.977	7.814	15.629	19.536
137.5	0.000	0.977	6.838	13.675	16.606
140.0	0.000	0.977	5.861	10.745	13.675
142.5	0.000	0.977	3.907	8.791	10.745
145.0	0.000	0.977	2.930	7.814	8.791
147.5	0.000	0.977	2.930	5.861	6.838
150.0	0.000	0.000	1.954	3.907	5.861
152.5	0.000	0.000	0.977	2.930	3.907
155.0	0.000	0.000	0.977	1.954	2.930
157.5	0.000	0.000	0.000	0.977	1.954
160.0	0.000	0.000	0.000	0.977	0.977
162.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	139.20	N.A.	9.20
0-30	300.87	N.A.	19.80
0-40	501.89	N.A.	33.10
0-60	927.95	N.A.	61.20
0-80	1252.02	N.A.	82.60
0-90	1352.72	N.A.	89.20
10-90	1317.22	N.A.	86.90
20-40	362.70	N.A.	23.90
20-50	579.47	N.A.	38.20
40-70	608.01	N.A.	40.10
60-80	324.07	N.A.	21.40
70-80	142.12	N.A.	9.40
80-90	100.70	N.A.	6.60
90-110	111.83	N.A.	7.40
90-120	138.61	N.A.	9.10
90-130	153.31	N.A.	10.10
90-150	162.76	N.A.	10.70
90-180	163.30	N.A.	10.80
110-180	51.47	N.A.	3.40
0-180	1516.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	35.50
10-20	103.69
20-30	161.68
30-40	201.02
40-50	216.77
50-60	209.29
60-70	181.95
70-80	142.12
80-90	100.70
90-100	67.87
100-110	43.95
110-120	26.78
120-130	14.70
130-140	6.86
140-150	2.59
150-160	0.53
160-170	0.02
170-180	0.00

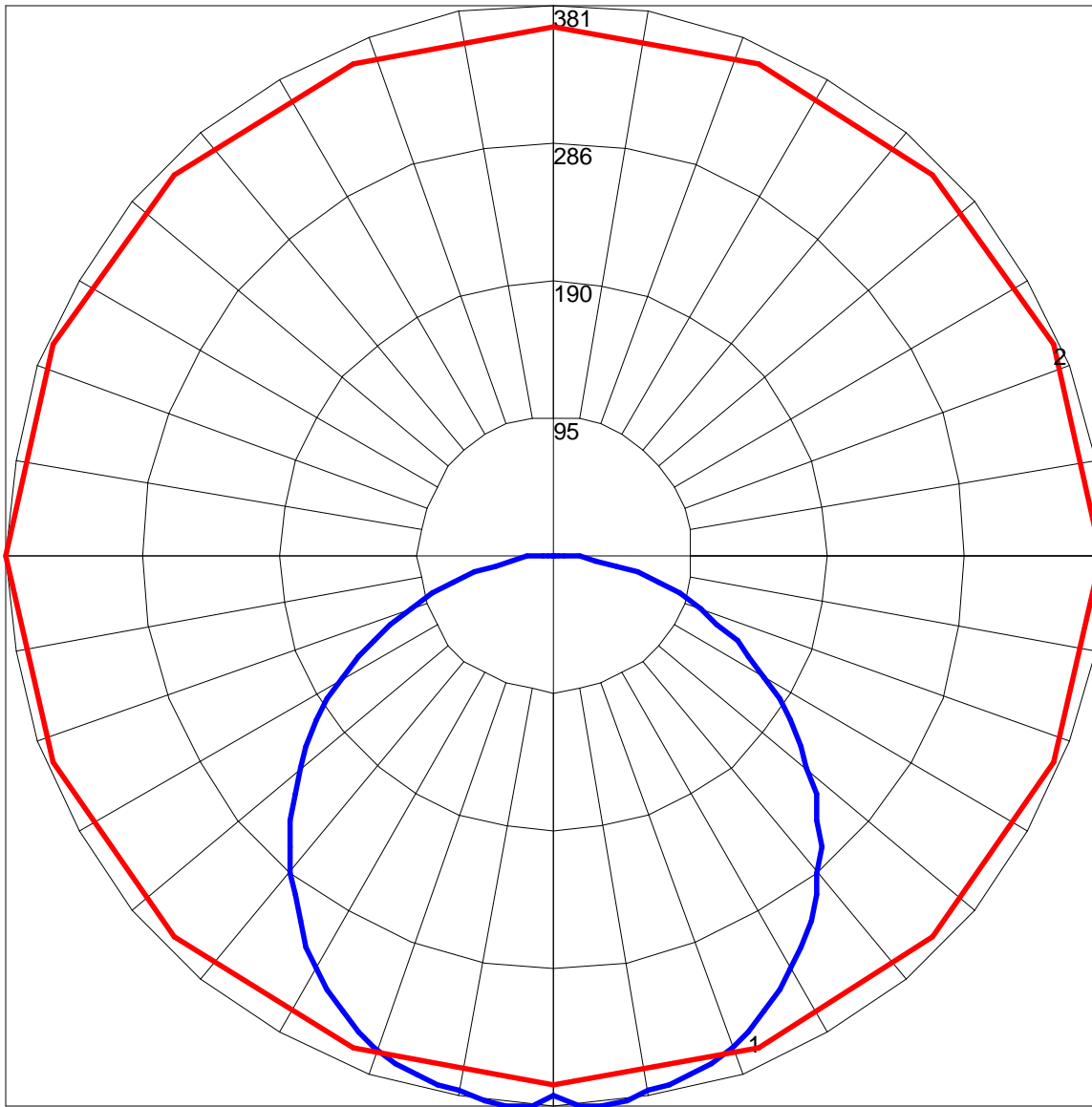
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	113	113	113	113	105	105	105	98	98	98	92	92	92	89
1	104	98	93	88	100	95	90	85	88	84	81	82	79	76	77	75	72	69
2	93	84	76	70	90	81	74	68	76	70	65	71	66	62	66	62	59	56
3	85	73	64	57	81	71	62	56	66	59	53	62	56	51	58	53	49	46
4	77	64	55	48	74	62	53	47	58	51	45	54	48	43	51	46	41	39
5	71	57	47	40	68	55	46	40	52	44	38	49	42	37	46	40	35	33
6	65	51	42	35	62	50	41	34	47	39	33	44	37	32	41	35	31	29
7	60	46	37	31	58	45	36	30	42	35	29	40	33	28	38	32	27	25
8	56	42	33	27	54	41	32	27	39	31	26	36	30	25	34	29	24	22
9	52	38	30	24	50	37	29	24	35	28	23	34	27	23	32	26	22	20
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	29	24	20	18

POLAR GRAPH



Maximum Candela = 380.952 Located At Horizontal Angle = 0, Vertical Angle = 2.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)