



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL2-LED-30L-FL-50.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
[LUMEN CATEGORY]SDL2-LED-30L-FL-50
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3243
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	24.4
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	14972	10160	9884
55	13697	8804	8810
65	11909	7428	7812
75	8999	6213	6862
85	3822	5212	6099

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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	796.176	796.176	796.176	796.176	796.176
2.5	814.983	806.624	796.176	785.727	781.548
5.0	814.983	806.624	798.265	785.727	783.637
7.5	810.804	804.534	796.176	785.727	781.548
10.0	806.624	800.355	791.996	785.727	781.548
12.5	802.445	796.176	789.907	781.548	779.458
15.0	794.086	789.907	783.637	779.458	777.368
17.5	785.727	781.548	777.368	775.279	773.189
20.0	773.189	771.099	771.099	771.099	769.010
22.5	760.651	758.561	760.651	762.740	762.740
25.0	746.023	743.933	748.113	754.382	756.471
27.5	727.216	729.305	737.664	746.023	748.113
30.0	708.408	710.498	720.946	733.485	739.754
32.5	687.511	689.601	704.229	720.946	727.216
35.0	662.435	666.614	685.422	706.319	714.677
37.5	637.358	643.628	666.614	691.691	700.049
40.0	610.192	618.551	645.717	672.883	685.422
42.5	583.026	591.385	622.731	656.166	668.704
45.0	553.770	564.219	599.744	635.269	649.897
47.5	524.515	537.053	576.757	616.461	631.089
50.0	493.169	509.887	551.681	593.475	612.282
52.5	461.824	480.631	526.604	572.578	589.295
55.0	430.478	451.375	501.528	549.591	570.488
57.5	399.133	420.030	474.362	526.604	549.591
60.0	363.608	388.684	447.196	505.707	526.604
62.5	328.083	357.339	422.119	480.631	505.707
65.0	296.737	328.083	394.953	459.734	482.721
67.5	261.212	298.827	369.877	434.658	459.734
70.0	227.777	269.571	344.800	411.671	434.658
72.5	192.252	240.315	319.724	386.594	411.671
75.0	158.817	213.149	296.737	365.697	390.774
77.5	125.382	185.983	273.751	342.711	367.787
80.0	91.947	160.907	252.854	321.814	346.890
82.5	62.691	137.920	231.957	300.917	328.083
85.0	37.615	117.023	213.149	282.109	307.186
87.5	16.718	100.306	194.342	263.302	288.379
90.0	6.269	83.588	177.624	244.495	269.571
92.5	2.090	71.050	160.907	225.688	250.764
95.0	2.090	58.512	144.189	208.970	231.957
97.5	2.090	48.063	129.561	192.252	213.149
100.0	2.090	39.704	117.023	175.535	198.521
102.5	2.090	33.435	104.485	160.907	181.804
105.0	2.090	27.166	94.036	146.279	167.176
107.5	2.090	22.987	83.588	133.741	152.548
110.0	2.090	20.897	73.139	121.203	140.010
112.5	0.000	16.718	64.781	108.664	127.472
115.0	2.090	14.628	56.422	98.216	114.933
117.5	2.090	12.538	50.153	89.857	104.485
120.0	2.090	10.448	43.884	79.409	91.947
122.5	2.090	8.359	37.615	68.960	81.498
125.0	0.000	6.269	33.435	60.601	73.139
127.5	2.090	6.269	29.256	54.332	64.781
130.0	0.000	4.179	22.987	45.973	56.422
132.5	0.000	4.179	18.807	39.704	48.063

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CANDELA TABULATION - (Cont.)

135.0	0.000	2.090	16.718	33.435	41.794
137.5	0.000	2.090	14.628	29.256	35.525
140.0	0.000	2.090	12.538	22.987	29.256
142.5	0.000	2.090	8.359	18.807	22.987
145.0	0.000	2.090	6.269	16.718	18.807
147.5	0.000	2.090	6.269	12.538	14.628
150.0	0.000	0.000	4.179	8.359	12.538
152.5	0.000	0.000	2.090	6.269	8.359
155.0	0.000	0.000	2.090	4.179	6.269
157.5	0.000	0.000	0.000	2.090	4.179
160.0	0.000	0.000	0.000	2.090	2.090
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	297.79	N.A.	9.20
0-30	643.67	N.A.	19.80
0-40	1073.71	N.A.	33.10
0-60	1985.2	N.A.	61.20
0-80	2678.49	N.A.	82.60
0-90	2893.91	N.A.	89.20
10-90	2817.96	N.A.	86.90
20-40	775.93	N.A.	23.90
20-50	1239.68	N.A.	38.20
40-70	1300.74	N.A.	40.10
60-80	693.29	N.A.	21.40
70-80	304.03	N.A.	9.40
80-90	215.43	N.A.	6.60
90-110	239.23	N.A.	7.40
90-120	296.53	N.A.	9.10
90-130	327.98	N.A.	10.10
90-150	348.19	N.A.	10.70
90-180	349.35	N.A.	10.80
110-180	110.12	N.A.	3.40
0-180	3243.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.95
10-20	221.83
20-30	345.88
30-40	430.04
40-50	463.75
50-60	447.73
60-70	389.25
70-80	304.03
80-90	215.43
90-100	145.20
100-110	94.03
110-120	57.30
120-130	31.44
130-140	14.67
140-150	5.55
150-160	1.13
160-170	0.03
170-180	0.00

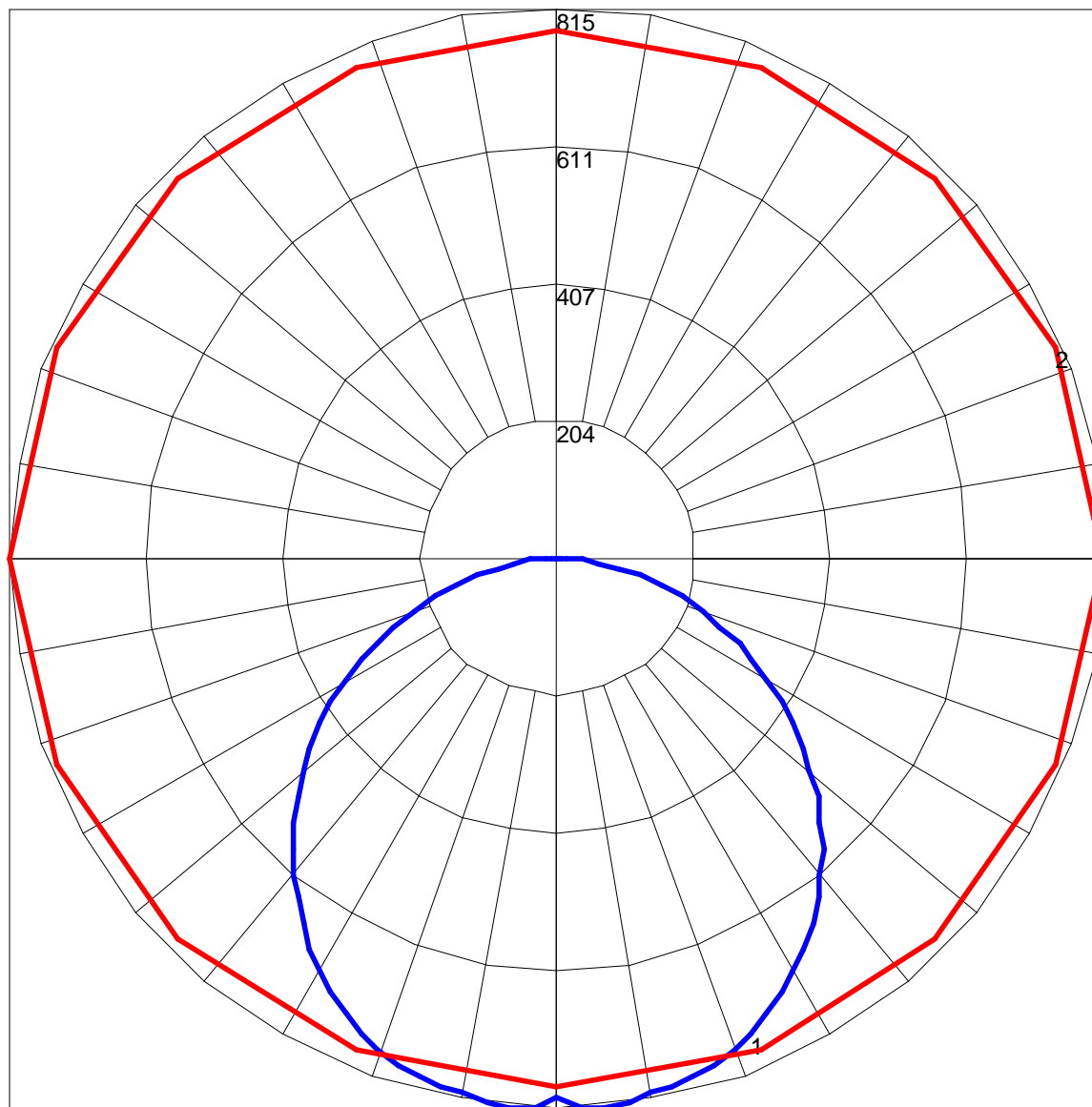
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 814.983 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.)