



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDL2-LED-15L-FL-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-9887

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]03/30/18

[TEST DATE]03/13/18

[MANUFACTURER]LSI INDUSTRIES, INC

[LUMEN CATEGORY]SDL2-LED-15L-FL-50

[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[_SEARCH_SOURCE TYPE] LED

[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1659
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
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	7678	5201	5049
55	7032	4494	4509
65	6100	3818	3981
75	4590	3183	3512
85	1930	2665	3117

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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	407	407	407	407	407
2.5	417	413	408	402	401
5.0	417	413	408	403	400
7.5	416	412	407	403	401
10.0	414	410	406	402	400
12.5	411	407	404	400	399
15.0	407	404	401	399	398
17.5	402	400	399	397	396
20.0	396	394	394	394	393
22.5	390	388	389	390	391
25.0	382	380	383	386	387
27.5	373	372	377	381	383
30.0	363	363	369	375	378
32.5	351	353	361	369	372
35.0	339	341	351	362	366
37.5	326	329	341	353	358
40.0	312	317	330	344	350
42.5	298	303	319	335	341
45.0	284	290	307	325	332
47.5	269	276	295	315	323
50.0	253	261	282	304	313
52.5	238	245	269	293	303
55.0	221	230	256	282	292
57.5	203	215	242	270	281
60.0	186	199	229	258	270
62.5	169	184	216	246	258
65.0	152	168	203	234	246
67.5	135	153	189	222	234
70.0	117	138	177	210	222
72.5	100	122	164	198	211
75.0	81	108	152	187	200
77.5	64	95	140	176	189
80.0	47	82	129	164	177
82.5	32	71	119	154	167
85.0	19	61	109	144	157
87.5	9	51	100	135	147
90.0	3	43	91	125	138
92.5	1	35	82	116	128
95.0	1	29	74	107	119
97.5	1	25	67	98	110
100.0	1	20	60	90	101
102.5	1	17	54	82	93
105.0	1	14	48	75	85
107.5	0	12	42	68	78
110.0	1	10	38	62	71
112.5	0	8	33	56	65
115.0	1	7	29	51	59
117.5	1	6	26	45	53
120.0	1	5	22	40	47
122.5	1	4	19	35	42
125.0	1	3	17	31	37
127.5	0	3	14	27	33
130.0	0	2	12	24	29
132.5	0	2	10	20	25

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CANDELA TABULATION - (Cont.)

135.0	0	1	9	17	21
137.5	0	1	7	14	17
140.0	1	1	6	12	15
142.5	0	0	5	10	12
145.0	0	0	4	8	10
147.5	1	1	3	7	8
150.0	0	0	2	5	6
152.5	0	0	1	3	5
155.0	0	1	1	2	3
157.5	0	0	0	1	2
160.0	0	0	0	1	1
162.5	1	0	0	0	0
165.0	1	0	1	0	0
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	152.44	N.A.	9.20
0-30	329.32	N.A.	19.90
0-40	549.33	N.A.	33.10
0-60	1015.75	N.A.	61.20
0-80	1370.46	N.A.	82.60
0-90	1480.72	N.A.	89.30
10-90	1441.83	N.A.	86.90
20-40	396.89	N.A.	23.90
20-50	634.26	N.A.	38.20
40-70	665.60	N.A.	40.10
60-80	354.71	N.A.	21.40
70-80	155.53	N.A.	9.40
80-90	110.26	N.A.	6.60
90-110	122.22	N.A.	7.40
90-120	151.40	N.A.	9.10
90-130	167.28	N.A.	10.10
90-150	177.59	N.A.	10.70
90-180	178.25	N.A.	10.70
110-180	56.03	N.A.	3.40
0-180	1658.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	38.90
10-20	113.54
20-30	176.88
30-40	220.01
40-50	237.37
50-60	229.04
60-70	199.18
70-80	155.53
80-90	110.26
90-100	74.24
100-110	47.98
110-120	29.18
120-130	15.88
130-140	7.44
140-150	2.87
150-160	0.60
160-170	0.05
170-180	0.00

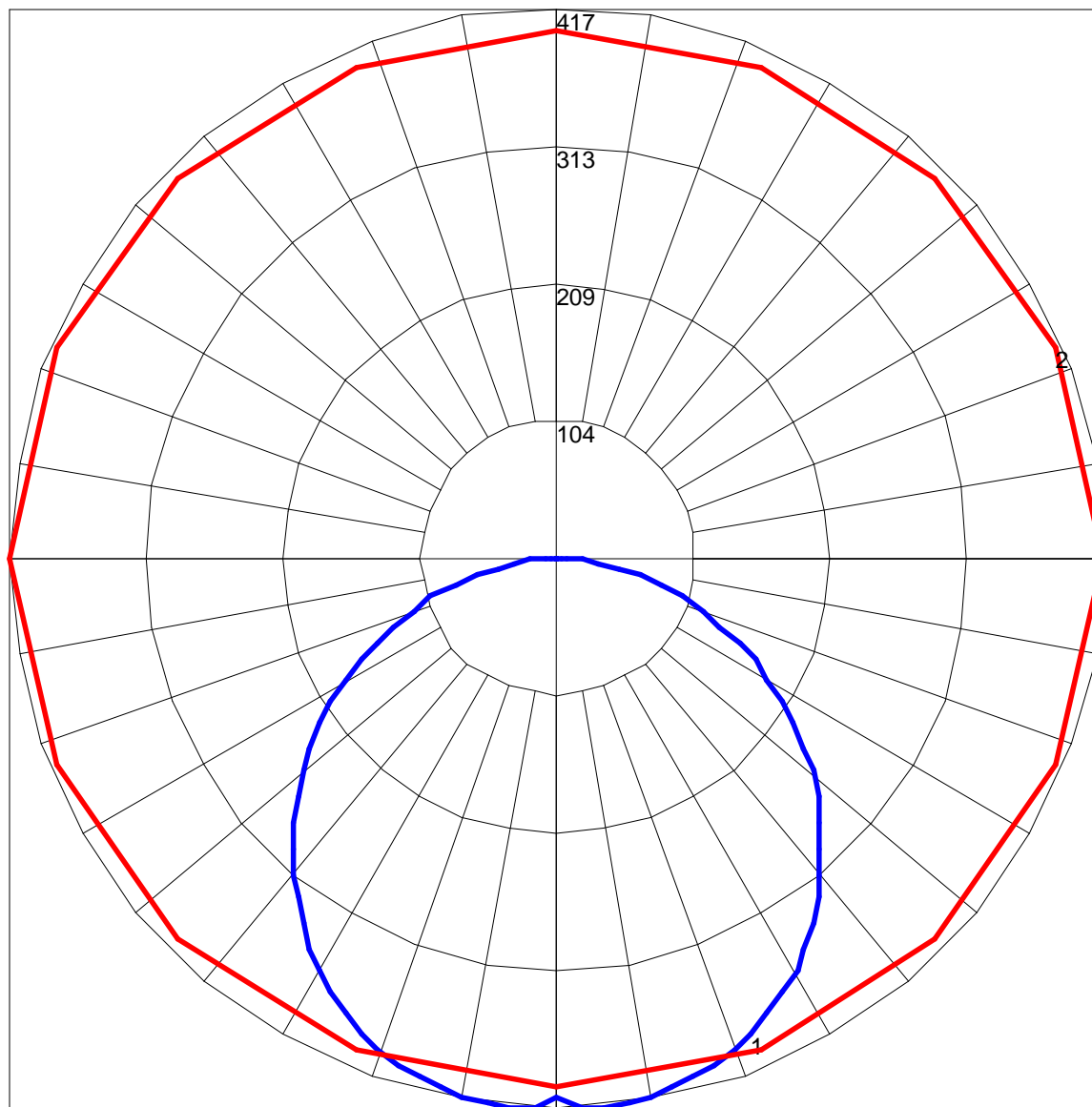
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 417 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.)