



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDL2-LED-15L-FL-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-9886  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]03/30/18  
[TEST DATE]03/13/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT]SDL2-LED-15L-FL-35  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1574
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
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)	1.46
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	7273	4930	4806
55	6618	4248	4278
65	5779	3611	3771
75	4307	3015	3337
85	1829	2518	2958

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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	388	388	388	388	388
2.5	396	392	388	383	381
5.0	396	392	388	382	381
7.5	395	392	387	382	381
10.0	393	389	386	381	380
12.5	390	388	384	381	379
15.0	387	384	382	379	378
17.5	382	380	378	377	376
20.0	377	375	374	374	374
22.5	370	369	370	371	372
25.0	363	362	365	367	368
27.5	354	354	358	362	364
30.0	344	345	350	357	359
32.5	333	334	342	350	354
35.0	321	324	333	343	347
37.5	310	313	324	336	340
40.0	297	300	313	327	333
42.5	283	288	303	318	324
45.0	269	275	291	309	316
47.5	255	261	280	299	307
50.0	240	247	268	289	297
52.5	224	233	255	278	287
55.0	208	218	242	267	277
57.5	193	204	230	257	266
60.0	177	189	217	245	256
62.5	160	175	205	234	245
65.0	144	160	192	222	233
67.5	128	145	180	210	222
70.0	111	131	167	199	211
72.5	94	116	156	188	201
75.0	76	103	144	177	190
77.5	60	90	133	166	178
80.0	45	78	122	155	168
82.5	31	67	112	146	158
85.0	18	57	103	137	149
87.5	8	48	94	128	139
90.0	3	40	86	119	131
92.5	1	34	78	110	121
95.0	1	28	70	101	112
97.5	1	23	63	93	104
100.0	1	19	56	85	96
102.5	1	16	51	78	88
105.0	1	14	45	71	81
107.5	0	11	40	65	74
110.0	1	9	36	59	68
112.5	0	8	31	53	61
115.0	0	7	28	48	55
117.5	0	6	24	43	50
120.0	1	5	21	38	45
122.5	0	4	18	33	40
125.0	0	3	16	30	35
127.5	0	3	13	26	31
130.0	0	2	11	22	27
132.5	0	2	10	19	23

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CANDELA TABULATION - (Cont.)

135.0	0	1	8	16	20
137.5	0	1	7	14	17
140.0	0	1	6	11	14
142.5	0	1	5	10	12
145.0	0	1	3	8	10
147.5	0	0	2	6	8
150.0	0	1	2	5	6
152.5	0	0	1	3	4
155.0	0	1	1	2	3
157.5	0	0	0	1	2
160.0	0	0	0	1	1
162.5	0	0	0	0	0
165.0	0	0	0	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	144.85	N.A.	9.20
0-30	313.02	N.A.	19.90
0-40	521.88	N.A.	33.20
0-60	964.39	N.A.	61.30
0-80	1300.79	N.A.	82.60
0-90	1405.09	N.A.	89.30
10-90	1368.14	N.A.	86.90
20-40	377.03	N.A.	24.00
20-50	602.33	N.A.	38.30
40-70	631.51	N.A.	40.10
60-80	336.40	N.A.	21.40
70-80	147.40	N.A.	9.40
80-90	104.30	N.A.	6.60
90-110	115.78	N.A.	7.40
90-120	143.39	N.A.	9.10
90-130	158.43	N.A.	10.10
90-150	168.25	N.A.	10.70
90-180	168.87	N.A.	10.70
110-180	53.09	N.A.	3.40
0-180	1573.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	36.95
10-20	107.90
20-30	168.17
30-40	208.85
40-50	225.30
50-60	217.21
60-70	188.99
70-80	147.40
80-90	104.30
90-100	70.29
100-110	45.49
110-120	27.61
120-130	15.04
130-140	7.07
140-150	2.76
150-160	0.60
160-170	0.02
170-180	0.00

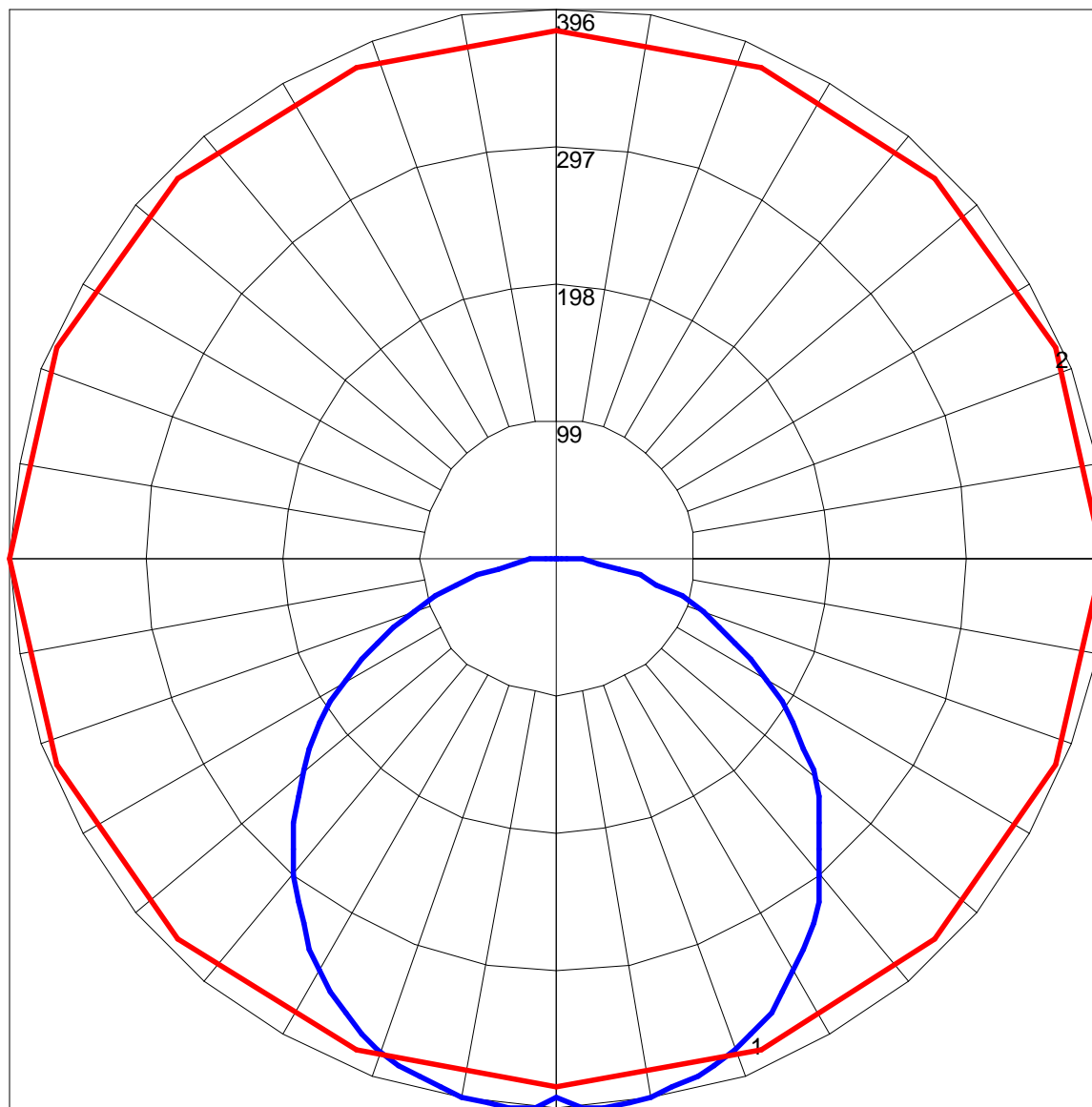
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	86	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	55	48	43	51	46	41	39
5	71	57	48	40	68	55	46	40	52	44	38	49	42	37	46	40	36	33
6	65	51	42	35	62	50	41	34	47	39	33	44	37	32	41	36	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	33	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 = 396 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.)