



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL2-LED-30L-FL-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9697
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/18
[TEST DATE]02/09/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]SDL2-LED-30L-FL-40
[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	3033
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	13978	9504	9247
55	12791	8215	8216
65	11157	6978	7283
75	8386	5842	6410
85	3353	4866	5698

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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	743	743	743	743	743
2.5	760	753	744	734	731
5.0	760	752	744	734	730
7.5	758	751	743	734	730
10.0	754	748	741	733	729
12.5	748	743	737	731	728
15.0	741	736	732	727	726
17.5	733	728	727	724	723
20.0	721	718	719	718	718
22.5	710	707	710	712	713
25.0	696	695	699	705	707
27.5	679	679	687	695	698
30.0	662	663	674	685	689
32.5	641	644	658	673	678
35.0	619	624	641	659	667
37.5	596	601	622	645	653
40.0	571	578	603	628	638
42.5	546	554	583	612	624
45.0	517	528	561	594	608
47.5	489	502	539	575	590
50.0	460	475	514	555	572
52.5	432	448	491	535	552
55.0	402	421	468	514	532
57.5	372	393	443	493	512
60.0	341	365	419	471	492
62.5	310	336	395	450	470
65.0	278	308	371	428	450
67.5	244	278	347	407	429
70.0	212	251	324	385	408
72.5	179	224	301	363	387
75.0	148	199	279	342	365
77.5	117	175	257	321	344
80.0	88	151	237	301	324
82.5	59	130	217	282	306
85.0	33	110	199	264	287
87.5	15	94	183	247	270
90.0	4	79	166	229	253
92.5	2	66	151	213	234
95.0	2	55	136	196	216
97.5	2	46	123	180	201
100.0	1	38	110	165	185
102.5	2	32	99	152	171
105.0	2	26	88	139	157
107.5	1	22	78	126	144
110.0	1	19	70	115	132
112.5	1	16	62	103	119
115.0	1	13	54	93	108
117.5	1	11	48	83	97
120.0	1	9	42	74	87
122.5	1	8	36	66	78
125.0	1	6	31	58	69
127.5	1	5	26	50	60
130.0	1	4	23	43	52
132.5	1	3	19	37	45

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CANDELA TABULATION - (Cont.)

135.0	1	2	16	32	38
137.5	1	2	13	27	33
140.0	1	1	10	23	28
142.5	1	1	8	18	23
145.0	1	1	6	14	18
147.5	1	1	5	11	14
150.0	1	1	4	9	11
152.5	1	1	2	6	8
155.0	1	1	2	4	5
157.5	1	1	1	3	3
160.0	1	1	1	1	2
162.5	1	1	1	1	1
165.0	1	1	1	1	1
167.5	1	0	1	0	0
170.0	1	1	1	1	0
172.5	1	1	1	0	0
175.0	0	0	0	0	0
177.5	1	1	1	1	1
180.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	277.94	N.A.	9.20
0-30	600.66	N.A.	19.80
0-40	1002.22	N.A.	33.00
0-60	1853.72	N.A.	61.10
0-80	2502.79	N.A.	82.50
0-90	2704.53	N.A.	89.20
10-90	2633.61	N.A.	86.80
20-40	724.27	N.A.	23.90
20-50	1157.59	N.A.	38.20
40-70	1215.73	N.A.	40.10
60-80	649.07	N.A.	21.40
70-80	284.84	N.A.	9.40
80-90	201.73	N.A.	6.70
90-110	225.01	N.A.	7.40
90-120	278.91	N.A.	9.20
90-130	308.44	N.A.	10.20
90-150	327.38	N.A.	10.80
90-180	328.97	N.A.	10.80
110-180	103.96	N.A.	3.40
0-180	3033.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	70.91
10-20	207.03
20-30	322.72
30-40	401.55
40-50	433.32
50-60	418.18
60-70	364.23
70-80	284.84
80-90	201.73
90-100	136.36
100-110	88.65
110-120	53.90
120-130	29.53
130-140	13.82
140-150	5.12
150-160	1.29
160-170	0.25
170-180	0.05

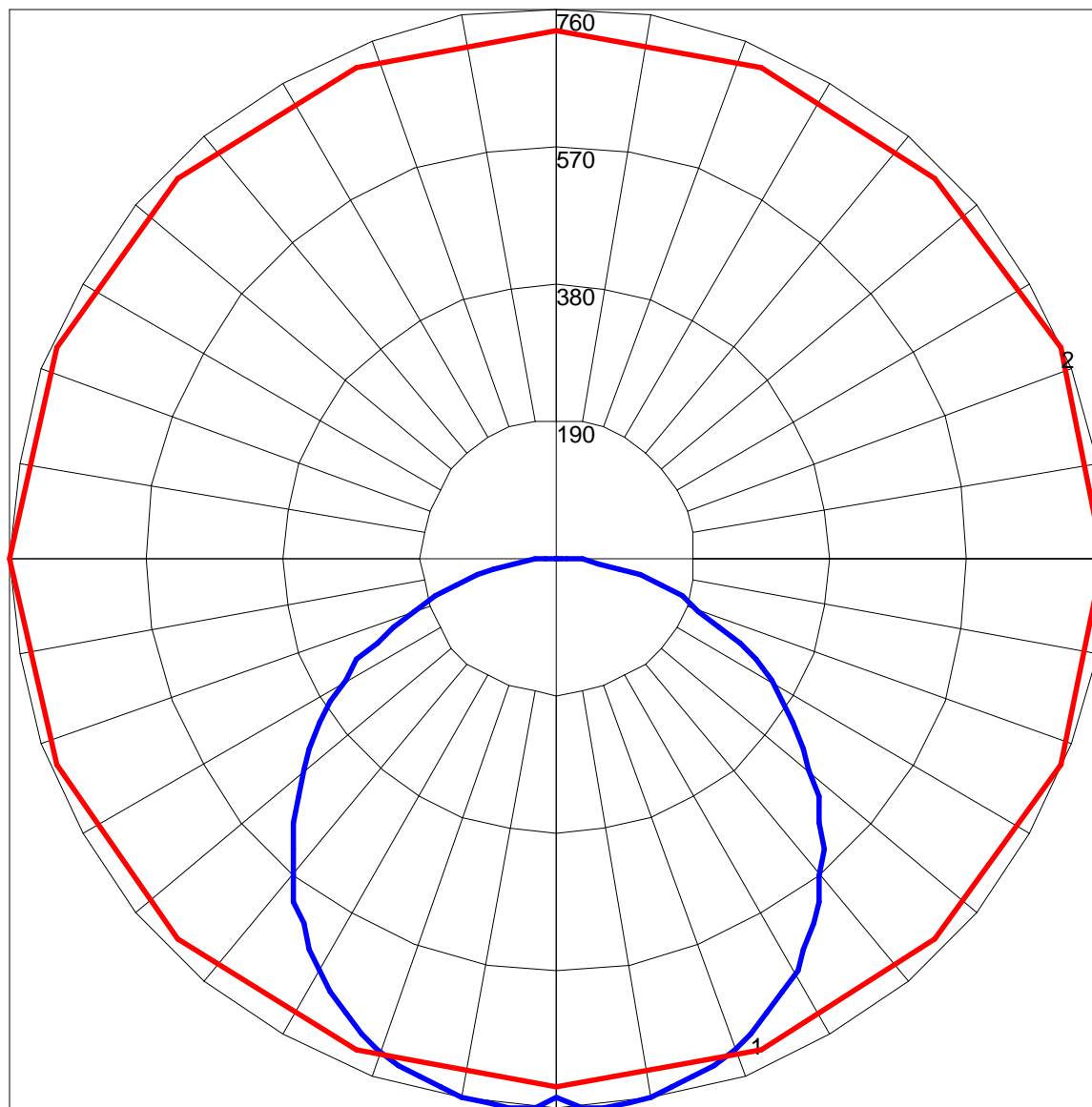
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	90	85	88	84	81	82	79	76	77	74	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	70	62	56	66	59	53	62	56	51	58	53	49	46
4	77	64	55	47	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	33	27	22	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 = 760 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.)