



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDL4-LED-30L-FL-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-9678  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]03/30/18  
[TEST DATE]02/07/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT]SDL4-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	3032
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	22.6
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 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	7486	4872	4555
55	7023	4242	4077
65	6350	3635	3593
75	5020	3047	3179
85	2519	2574	2819

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDL4-LED-30L-FL-40.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	742	742	742	742	742
2.5	760	747	742	736	730
5.0	760	748	742	737	730
7.5	758	746	741	736	729
10.0	756	744	739	735	729
12.5	751	739	735	732	727
15.0	743	733	730	729	724
17.5	734	725	724	724	721
20.0	725	715	717	719	715
22.5	712	705	707	712	710
25.0	697	691	697	704	703
27.5	680	678	685	694	694
30.0	662	661	672	684	684
32.5	643	643	656	671	673
35.0	622	624	640	659	661
37.5	600	603	622	644	647
40.0	576	582	604	628	632
42.5	550	558	583	610	616
45.0	523	533	561	593	599
47.5	496	507	540	575	583
50.0	468	480	516	555	565
52.5	437	453	493	534	546
55.0	408	426	469	513	528
57.5	378	398	445	492	508
60.0	347	370	421	470	487
62.5	316	341	396	447	466
65.0	283	312	373	426	444
67.5	249	282	348	403	423
70.0	217	254	325	382	402
72.5	184	226	302	361	382
75.0	149	200	279	340	362
77.5	118	176	258	319	340
80.0	88	153	238	299	320
82.5	59	131	218	280	302
85.0	35	112	200	262	284
87.5	14	94	183	245	266
90.0	3	79	166	227	250
92.5	1	66	150	210	232
95.0	1	55	136	193	214
97.5	1	46	123	178	198
100.0	1	38	110	163	182
102.5	1	32	99	149	168
105.0	1	26	88	137	155
107.5	1	22	78	125	142
110.0	1	18	69	113	130
112.5	1	15	61	102	118
115.0	1	13	54	92	106
117.5	1	11	47	82	96
120.0	1	9	41	73	86
122.5	1	7	36	65	77
125.0	1	6	31	57	68
127.5	1	5	27	50	60
130.0	1	4	23	43	52
132.5	1	3	19	38	46

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SDL4-LED-30L-FL-40.IES

CANDELA TABULATION - (Cont.)

135.0	1	2	16	32	39
137.5	1	2	14	27	33
140.0	1	1	11	23	28
142.5	1	1	9	19	23
145.0	1	1	7	16	19
147.5	1	1	5	12	15
150.0	1	1	4	10	12
152.5	1	1	3	7	9
155.0	1	1	2	5	7
157.5	1	1	1	3	4
160.0	1	1	1	2	3
162.5	1	1	1	1	1
165.0	1	1	1	1	1
167.5	1	1	1	1	1
170.0	1	1	1	1	0
172.5	1	1	1	1	1
175.0	1	1	1	1	0
177.5	1	1	1	0	0
180.0	1	1	1	1	1

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDL4-LED-30L-FL-40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	277.53	N.A.	9.20
0-30	599.52	N.A.	19.80
0-40	1000.7	N.A.	33.00
0-60	1854.35	N.A.	61.20
0-80	2503.94	N.A.	82.60
0-90	2705.1	N.A.	89.20
10-90	2634.29	N.A.	86.90
20-40	723.17	N.A.	23.90
20-50	1157.21	N.A.	38.20
40-70	1218.59	N.A.	40.20
60-80	649.59	N.A.	21.40
70-80	284.66	N.A.	9.40
80-90	201.15	N.A.	6.60
90-110	222.82	N.A.	7.30
90-120	275.99	N.A.	9.10
90-130	305.27	N.A.	10.10
90-150	324.71	N.A.	10.70
90-180	326.58	N.A.	10.80
110-180	103.75	N.A.	3.40
0-180	3031.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	70.81
10-20	206.73
20-30	321.99
30-40	401.18
40-50	434.04
50-60	419.61
60-70	364.93
70-80	284.66
80-90	201.15
90-100	135.15
100-110	87.67
110-120	53.17
120-130	29.28
130-140	13.99
140-150	5.45
150-160	1.48
160-170	0.30
170-180	0.09

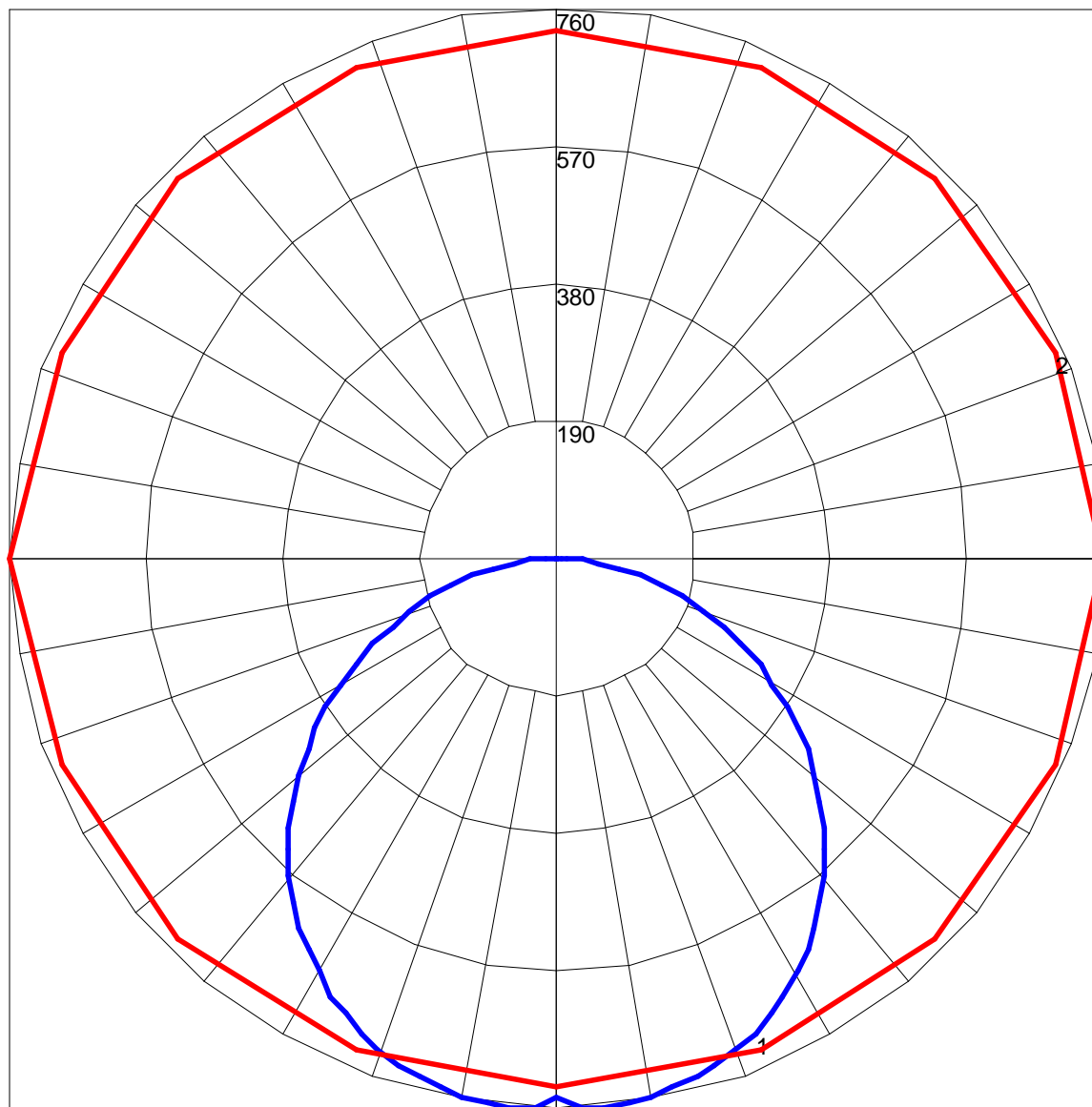
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDL4-LED-30L-FL-40.IES**

**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	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	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	49	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	38	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	21	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.)