



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-9918\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]6/12/2018  
[TEST DATE]03/20/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]SDL4-LED-30L-FL-30  
[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	2930
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
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	7224	4700	4404
55	6754	4090	3931
65	6121	3511	3470
75	4865	2948	3061
85	2205	2497	2722

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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	714.778	714.778	714.778	714.778	714.778
2.5	732.282	722.071	716.236	710.402	704.567
5.0	732.282	720.613	716.236	710.402	704.567
7.5	730.824	719.154	714.778	708.943	704.567
10.0	727.906	716.236	713.319	708.943	703.108
12.5	722.071	711.860	708.943	706.025	701.649
15.0	716.236	707.484	704.567	703.108	698.732
17.5	707.484	698.732	698.732	698.732	694.355
20.0	697.273	689.979	691.438	692.897	689.979
22.5	685.603	678.309	682.686	687.062	684.144
25.0	671.016	666.640	672.475	678.309	678.309
27.5	656.428	652.052	660.805	669.557	669.557
30.0	638.924	637.465	647.676	659.346	660.805
32.5	619.960	619.960	634.548	649.135	649.135
35.0	599.538	602.455	617.043	636.006	637.465
37.5	577.657	582.033	600.997	621.419	624.336
40.0	554.317	560.152	582.033	605.373	609.749
42.5	530.978	538.271	563.070	589.327	593.703
45.0	504.721	514.932	541.189	571.822	579.116
47.5	478.463	490.133	520.767	554.317	563.070
50.0	450.748	465.335	498.886	536.813	545.565
52.5	425.949	437.619	477.005	516.390	529.519
55.0	392.398	411.362	452.206	495.968	509.097
57.5	364.682	383.646	428.867	475.546	490.133
60.0	335.508	355.930	406.986	455.124	471.170
62.5	306.333	329.673	383.646	433.243	450.748
65.0	272.783	301.957	360.306	411.362	428.867
67.5	242.149	274.241	336.967	390.940	408.444
70.0	210.057	246.525	313.627	369.059	388.022
72.5	176.506	217.351	291.746	348.636	367.600
75.0	144.414	194.011	269.865	328.214	348.636
77.5	113.781	170.671	249.443	309.251	329.673
80.0	83.148	148.790	230.479	290.287	310.709
82.5	56.890	128.368	211.516	271.324	291.746
85.0	30.633	109.405	194.011	253.819	274.241
87.5	13.129	91.900	177.965	237.773	258.195
90.0	1.459	77.313	161.919	220.268	242.149
92.5	0.000	64.184	147.332	204.222	224.644
95.0	1.459	53.973	132.744	188.176	208.598
97.5	1.459	45.221	119.616	173.589	192.552
100.0	1.459	36.468	106.487	159.002	177.965
102.5	1.459	30.633	96.276	144.414	163.378
105.0	1.459	26.257	84.606	132.744	150.249
107.5	0.000	21.881	75.854	121.075	137.121
110.0	0.000	17.505	67.102	109.405	125.451
112.5	0.000	14.587	59.808	99.194	113.781
115.0	0.000	13.129	52.514	88.983	103.570
117.5	0.000	10.211	45.221	80.230	93.359
120.0	0.000	8.752	39.386	71.478	83.148
122.5	0.000	7.294	35.010	62.725	74.395
125.0	0.000	5.835	30.633	56.890	67.102
127.5	0.000	4.376	24.798	49.597	58.349
130.0	1.459	4.376	21.881	42.303	51.056
132.5	0.000	2.917	17.505	36.468	43.762

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	1.459	2.917	16.046	30.633	37.927
<b>137.5</b>	1.459	1.459	13.129	26.257	32.092
<b>140.0</b>	1.459	1.459	10.211	21.881	27.716
<b>142.5</b>	0.000	1.459	8.752	18.963	21.881
<b>145.0</b>	1.459	1.459	7.294	14.587	18.963
<b>147.5</b>	1.459	1.459	4.376	11.670	14.587
<b>150.0</b>	1.459	1.459	4.376	8.752	11.670
<b>152.5</b>	1.459	1.459	2.917	7.294	8.752
<b>155.0</b>	1.459	1.459	1.459	4.376	5.835
<b>157.5</b>	1.459	1.459	1.459	2.917	4.376
<b>160.0</b>	1.459	1.459	1.459	1.459	2.917
<b>162.5</b>	1.459	1.459	1.459	1.459	1.459
<b>165.0</b>	0.000	1.459	0.000	0.000	0.000
<b>167.5</b>	1.459	1.459	0.000	0.000	0.000
<b>170.0</b>	1.459	1.459	0.000	0.000	0.000
<b>172.5</b>	1.459	0.000	0.000	0.000	0.000
<b>175.0</b>	1.459	1.459	0.000	0.000	0.000
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	267.63	N.A.	9.10
0-30	578.07	N.A.	19.70
0-40	965.16	N.A.	32.90
0-60	1789.51	N.A.	61.10
0-80	2417.78	N.A.	82.50
0-90	2612.88	N.A.	89.20
10-90	2544.6	N.A.	86.80
20-40	697.53	N.A.	23.80
20-50	1116.46	N.A.	38.10
40-70	1177.46	N.A.	40.20
60-80	628.27	N.A.	21.40
70-80	275.16	N.A.	9.40
80-90	195.10	N.A.	6.70
90-110	216.74	N.A.	7.40
90-120	268.27	N.A.	9.20
90-130	296.74	N.A.	10.10
90-150	315.61	N.A.	10.80
90-180	317.42	N.A.	10.80
110-180	100.67	N.A.	3.40
0-180	2930.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	68.28
10-20	199.35
20-30	310.44
30-40	387.09
40-50	418.93
50-60	405.42
60-70	353.11
70-80	275.16
80-90	195.10
90-100	131.66
100-110	85.08
110-120	51.53
120-130	28.47
130-140	13.53
140-150	5.34
150-160	1.51
160-170	0.27
170-180	0.03

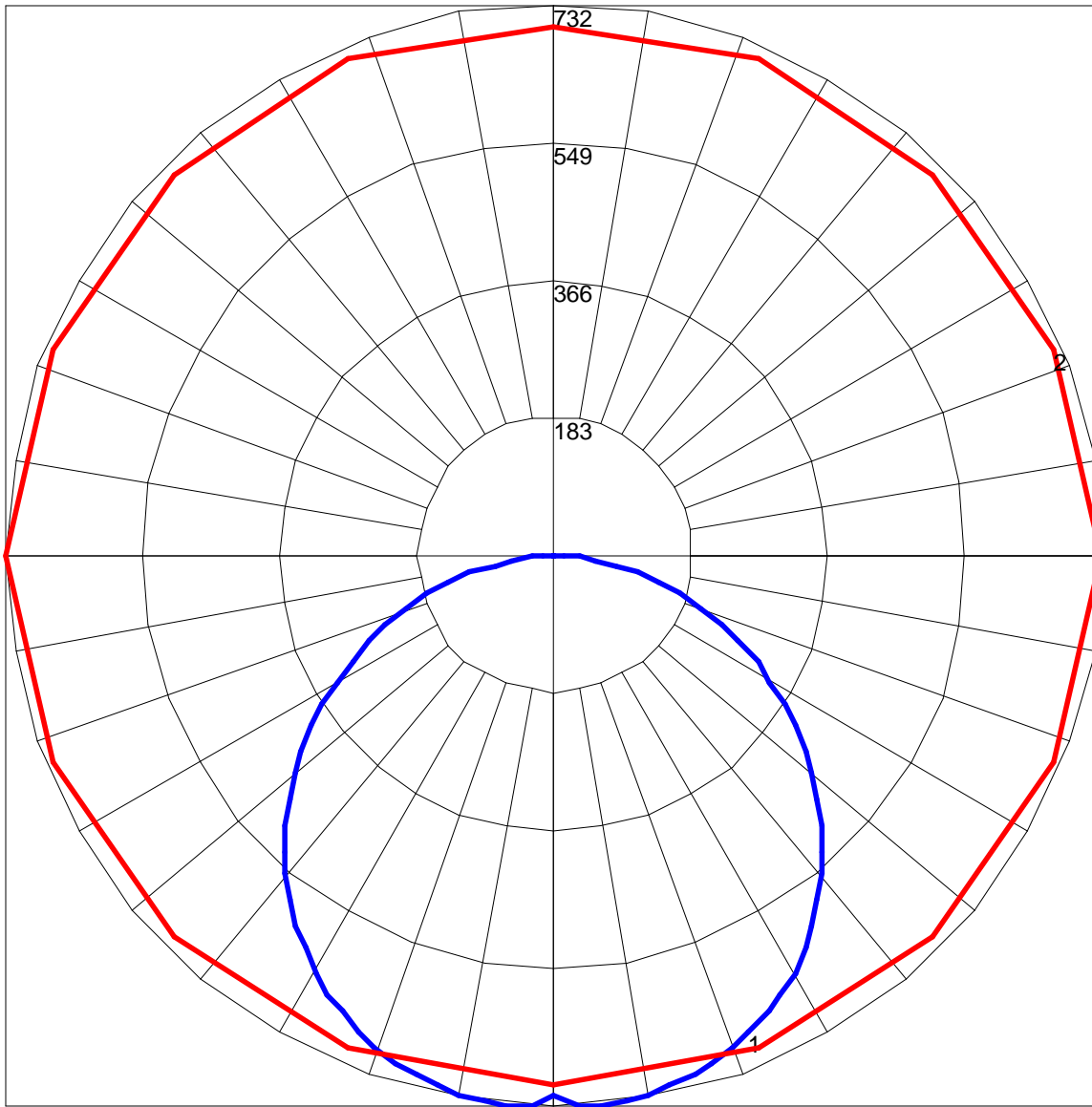
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	84	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	46	58	51	45	54	48	43	51	46	41	38
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	28
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 = 732.282 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.)