



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9884_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]03/13/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]SDL2-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2964
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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	13683	9285	9033
55	12518	8046	8052
65	10884	6789	7140
75	8225	5678	6272
85	3493	4763	5574

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL2-LED-30L-FL-30.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	727.634	727.634	727.634	727.634	727.634
2.5	744.822	737.183	727.634	718.085	714.265
5.0	744.822	737.183	729.544	718.085	716.175
7.5	741.002	735.273	727.634	718.085	714.265
10.0	737.183	731.453	723.814	718.085	714.265
12.5	733.363	727.634	721.904	714.265	712.355
15.0	725.724	721.904	716.175	712.355	710.446
17.5	718.085	714.265	710.446	708.536	706.626
20.0	706.626	704.716	704.716	704.716	702.806
22.5	695.167	693.257	695.167	697.077	697.077
25.0	681.799	679.889	683.708	689.438	691.348
27.5	664.610	666.520	674.159	681.799	683.708
30.0	647.422	649.332	658.881	670.340	676.069
32.5	628.324	630.234	643.603	658.881	664.610
35.0	605.407	609.226	626.414	645.512	653.152
37.5	582.489	588.218	609.226	632.144	639.783
40.0	557.662	565.301	590.128	614.956	626.414
42.5	532.834	540.473	569.120	599.677	611.136
45.0	506.097	515.646	548.113	580.579	593.948
47.5	479.360	490.819	527.105	563.391	576.760
50.0	450.713	465.991	504.187	542.383	559.571
52.5	422.066	439.254	481.270	523.285	538.564
55.0	393.419	412.517	458.352	502.277	521.375
57.5	364.772	383.870	433.525	481.270	502.277
60.0	332.305	355.223	408.697	462.172	481.270
62.5	299.839	326.576	385.780	439.254	462.172
65.0	271.192	299.839	360.952	420.156	441.164
67.5	238.725	273.101	338.035	397.238	420.156
70.0	208.168	246.364	315.117	376.231	397.238
72.5	175.702	219.627	292.199	353.313	376.231
75.0	145.145	194.800	271.192	334.215	357.133
77.5	114.588	169.972	250.184	313.207	336.125
80.0	84.031	147.055	231.086	294.109	317.027
82.5	57.294	126.047	211.988	275.011	299.839
85.0	34.376	106.949	194.800	257.823	280.741
87.5	15.278	91.670	177.611	240.635	263.552
90.0	5.729	76.392	162.333	223.447	246.364
92.5	1.910	64.933	147.055	206.258	229.176
95.0	1.910	53.474	131.776	190.980	211.988
97.5	1.910	43.925	118.408	175.702	194.800
100.0	1.910	36.286	106.949	160.423	181.431
102.5	1.910	30.557	95.490	147.055	166.153
105.0	1.910	24.827	85.941	133.686	152.784
107.5	1.910	21.008	76.392	122.227	139.415
110.0	1.910	19.098	66.843	110.768	127.957
112.5	0.000	15.278	59.204	99.310	116.498
115.0	1.910	13.369	51.565	89.761	105.039
117.5	1.910	11.459	45.835	82.121	95.490
120.0	1.910	9.549	40.106	72.572	84.031
122.5	1.910	7.639	34.376	63.023	74.482
125.0	0.000	5.729	30.557	55.384	66.843
127.5	1.910	5.729	26.737	49.655	59.204
130.0	0.000	3.820	21.008	42.016	51.565
132.5	0.000	3.820	17.188	36.286	43.925

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

CANDELA TABULATION - (Cont.)

135.0	0.000	1.910	15.278	30.557	38.196
137.5	0.000	1.910	13.369	26.737	32.467
140.0	0.000	1.910	11.459	21.008	26.737
142.5	0.000	1.910	7.639	17.188	21.008
145.0	0.000	1.910	5.729	15.278	17.188
147.5	0.000	1.910	5.729	11.459	13.369
150.0	0.000	0.000	3.820	7.639	11.459
152.5	0.000	0.000	1.910	5.729	7.639
155.0	0.000	0.000	1.910	3.820	5.729
157.5	0.000	0.000	0.000	1.910	3.820
160.0	0.000	0.000	0.000	1.910	1.910
162.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	272.15	N.A.	9.20
0-30	588.26	N.A.	19.80
0-40	981.28	N.A.	33.10
0-60	1814.29	N.A.	61.20
0-80	2447.9	N.A.	82.60
0-90	2644.78	N.A.	89.20
10-90	2575.37	N.A.	86.90
20-40	709.13	N.A.	23.90
20-50	1132.96	N.A.	38.20
40-70	1188.76	N.A.	40.10
60-80	633.61	N.A.	21.40
70-80	277.86	N.A.	9.40
80-90	196.88	N.A.	6.60
90-110	218.64	N.A.	7.40
90-120	271.00	N.A.	9.10
90-130	299.74	N.A.	10.10
90-150	318.22	N.A.	10.70
90-180	319.28	N.A.	10.80
110-180	100.64	N.A.	3.40
0-180	2964.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	69.41
10-20	202.74
20-30	316.11
30-40	393.02
40-50	423.83
50-60	409.19
60-70	355.74
70-80	277.86
80-90	196.88
90-100	132.70
100-110	85.93
110-120	52.37
120-130	28.74
130-140	13.40
140-150	5.07
150-160	1.03
160-170	0.03
170-180	0.00

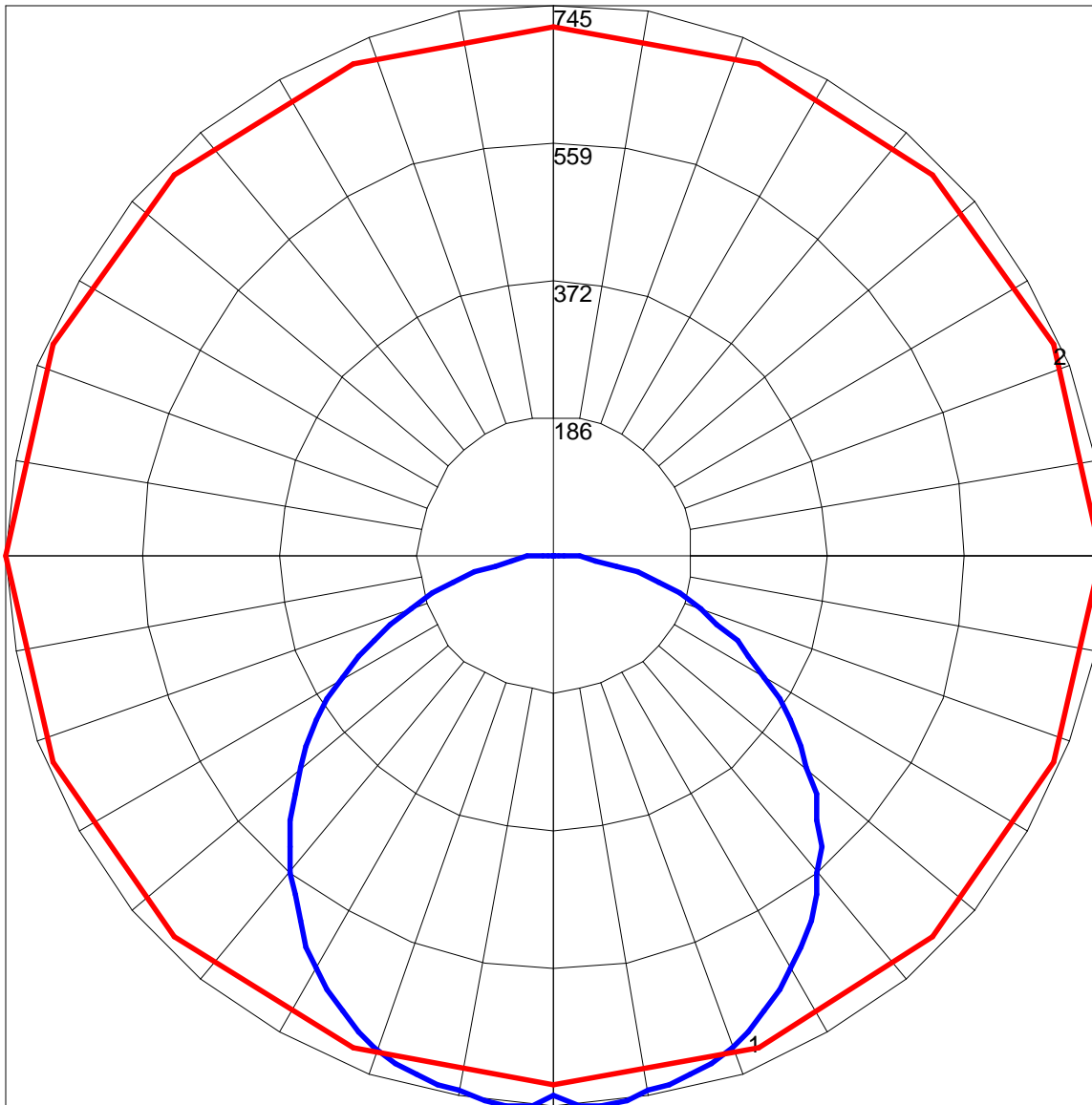
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL2-LED-30L-FL-30.IES

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	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 = 744.822 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.)