



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDL2-LED-20L-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-20L-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	2034
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	16.2
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	9390	6372	6199
55	8590	5521	5525
65	7469	4659	4900
75	5644	3897	4304
85	2397	3269	3825

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDL2-LED-20L-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	499.327	499.327	499.327	499.327	499.327
2.5	511.122	505.880	499.327	492.774	490.153
5.0	511.122	505.880	500.638	492.774	491.464
7.5	508.501	504.569	499.327	492.774	490.153
10.0	505.880	501.948	496.706	492.774	490.153
12.5	503.259	499.327	495.395	490.153	488.843
15.0	498.017	495.395	491.464	488.843	487.532
17.5	492.774	490.153	487.532	486.221	484.911
20.0	484.911	483.600	483.600	483.600	482.290
22.5	477.047	475.737	477.047	478.358	478.358
25.0	467.873	466.563	469.184	473.116	474.426
27.5	456.078	457.389	462.631	467.873	469.184
30.0	444.283	445.594	452.147	460.010	463.942
32.5	431.178	432.488	441.662	452.147	456.078
35.0	415.451	418.072	429.867	442.973	448.215
37.5	399.724	403.656	418.072	433.799	439.041
40.0	382.686	387.929	404.966	422.004	429.867
42.5	365.649	370.891	390.550	411.519	419.382
45.0	347.301	353.854	376.134	398.413	407.587
47.5	328.953	336.816	361.717	386.618	395.792
50.0	309.295	319.779	345.990	372.202	383.997
52.5	289.636	301.431	330.264	359.096	369.581
55.0	269.977	283.083	314.537	344.680	357.786
57.5	250.319	263.425	297.499	330.264	344.680
60.0	228.039	243.766	280.462	317.158	330.264
62.5	205.759	224.107	264.735	301.431	317.158
65.0	186.101	205.759	247.698	288.325	302.742
67.5	163.821	187.412	231.971	272.599	288.325
70.0	142.852	169.064	216.244	258.182	272.599
72.5	120.572	150.716	200.517	242.455	258.182
75.0	99.603	133.678	186.101	229.350	245.077
77.5	78.634	116.641	171.685	214.933	230.660
80.0	57.665	100.914	158.579	201.828	217.555
82.5	39.317	86.498	145.473	188.722	205.759
85.0	23.590	73.392	133.678	176.927	192.654
87.5	10.485	62.907	121.883	165.132	180.859
90.0	3.932	52.423	111.398	153.337	169.064
92.5	1.311	44.559	100.914	141.542	157.268
95.0	1.311	36.696	90.429	131.057	145.473
97.5	1.311	30.143	81.255	120.572	133.678
100.0	1.311	24.901	73.392	110.088	124.504
102.5	1.311	20.969	65.529	100.914	114.020
105.0	1.311	17.037	58.976	91.740	104.846
107.5	1.311	14.416	52.423	83.876	95.672
110.0	1.311	13.106	45.870	76.013	87.808
112.5	0.000	10.485	40.628	68.150	79.945
115.0	1.311	9.174	35.385	61.597	72.081
117.5	1.311	7.863	31.454	56.355	65.529
120.0	1.311	6.553	27.522	49.802	57.665
122.5	1.311	5.242	23.590	43.249	51.112
125.0	0.000	3.932	20.969	38.007	45.870
127.5	1.311	3.932	18.348	34.075	40.628
130.0	0.000	2.621	14.416	28.833	35.385
132.5	0.000	2.621	11.795	24.901	30.143

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDL2-LED-20L-FL-30.IES**

**CANDELA TABULATION - (Cont.)**

135.0	0.000	1.311	10.485	20.969	26.211
137.5	0.000	1.311	9.174	18.348	22.280
140.0	0.000	1.311	7.863	14.416	18.348
142.5	0.000	1.311	5.242	11.795	14.416
145.0	0.000	1.311	3.932	10.485	11.795
147.5	0.000	1.311	3.932	7.863	9.174
150.0	0.000	0.000	2.621	5.242	7.863
152.5	0.000	0.000	1.311	3.932	5.242
155.0	0.000	0.000	1.311	2.621	3.932
157.5	0.000	0.000	0.000	1.311	2.621
160.0	0.000	0.000	0.000	1.311	1.311
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-20L-FL-30.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	186.76	N.A.	9.20
0-30	403.68	N.A.	19.80
0-40	673.39	N.A.	33.10
0-60	1245.03	N.A.	61.20
0-80	1679.83	N.A.	82.60
0-90	1814.94	N.A.	89.20
10-90	1767.3	N.A.	86.90
20-40	486.63	N.A.	23.90
20-50	777.47	N.A.	38.20
40-70	815.77	N.A.	40.10
60-80	434.80	N.A.	21.40
70-80	190.68	N.A.	9.40
80-90	135.11	N.A.	6.60
90-110	150.04	N.A.	7.40
90-120	185.97	N.A.	9.10
90-130	205.69	N.A.	10.10
90-150	218.37	N.A.	10.70
90-180	219.10	N.A.	10.80
110-180	69.06	N.A.	3.40
0-180	2034.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	47.63
10-20	139.12
20-30	216.92
30-40	269.70
40-50	290.85
50-60	280.80
60-70	244.12
70-80	190.68
80-90	135.11
90-100	91.07
100-110	58.97
110-120	35.94
120-130	19.72
130-140	9.20
140-150	3.48
150-160	0.71
160-170	0.02
170-180	0.00

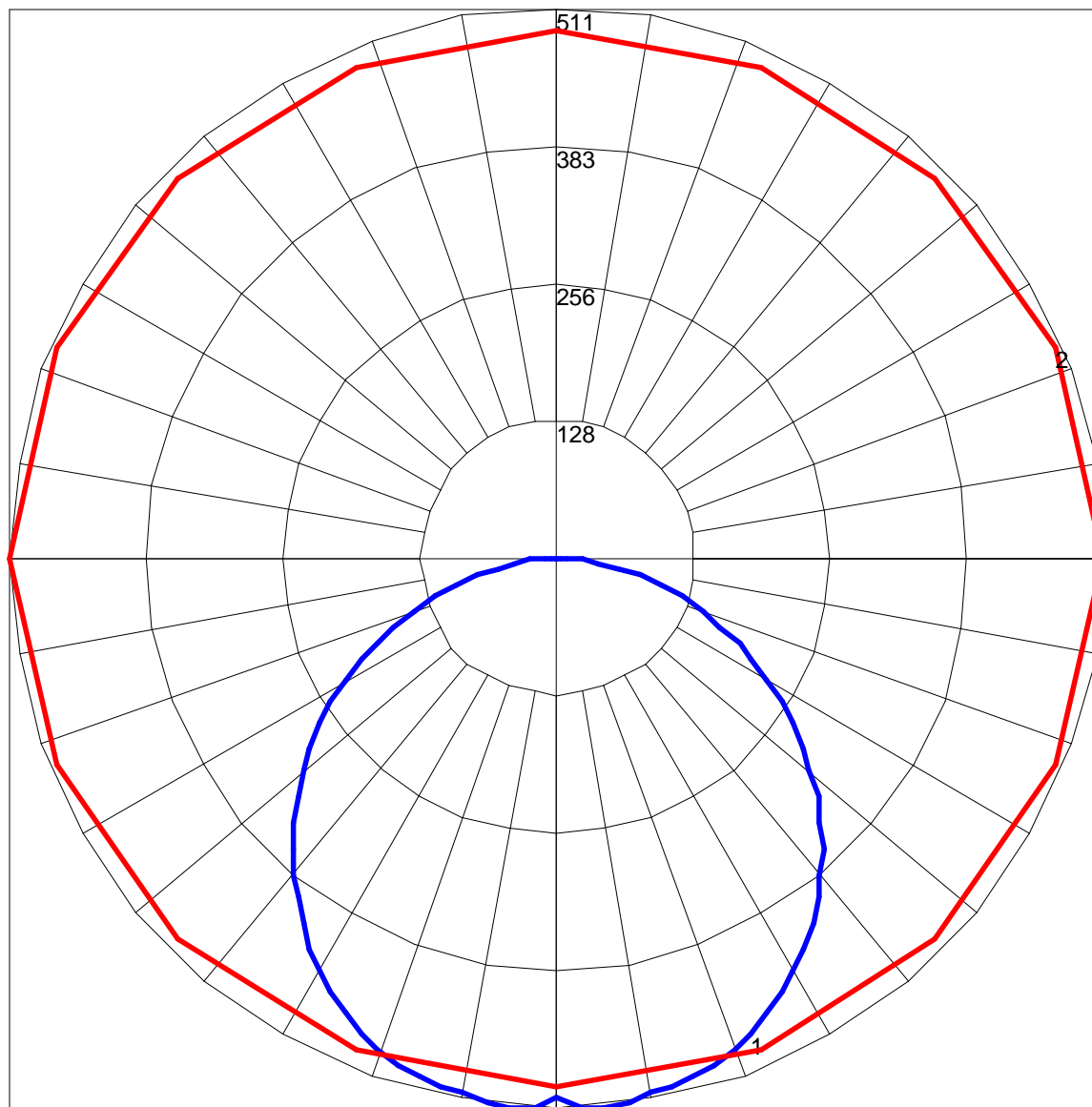
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDL2-LED-20L-FL-30.IES**

**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 = 511.122 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.)