



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDL8-LED-180L-FL-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9829_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]03/01/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]SDL8-LED-180L-FL-35
[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	18325
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	142.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.00 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	23146	15262	14367
55	22005	13395	12824
65	20084	11508	11380
75	17005	9811	10032
85	11040	8163	8153

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL8-LED-180L-FL-35.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	4583.060	4583.060	4583.060	4583.060	4583.060
2.5	4601.340	4606.562	4585.671	4580.448	4598.728
5.0	4598.728	4603.951	4588.282	4585.671	4601.340
7.5	4585.671	4593.505	4577.837	4585.671	4598.728
10.0	4562.168	4572.614	4564.780	4575.225	4596.117
12.5	4525.608	4538.665	4541.277	4562.168	4585.671
15.0	4481.214	4499.494	4509.939	4543.888	4562.168
17.5	4423.762	4447.265	4468.157	4512.551	4541.277
20.0	4358.477	4387.202	4421.151	4475.991	4507.328
22.5	4282.745	4316.694	4366.311	4431.597	4468.157
25.0	4193.956	4230.516	4301.025	4376.757	4421.151
27.5	4097.334	4141.728	4222.682	4316.694	4368.922
30.0	3987.654	4037.271	4136.505	4248.796	4301.025
32.5	3864.916	3927.591	4045.105	4170.454	4230.516
35.0	3736.956	3807.465	3945.871	4084.276	4152.174
37.5	3598.550	3676.893	3836.191	3992.876	4068.608
40.0	3449.699	3535.876	3721.288	3893.642	3977.208
42.5	3298.236	3394.859	3598.550	3783.962	3880.585
45.0	3138.939	3246.007	3470.590	3676.893	3778.739
47.5	2974.419	3091.933	3337.407	3556.768	3663.836
50.0	2802.064	2935.247	3199.002	3441.865	3551.545
52.5	2647.990	2765.504	3057.984	3319.127	3439.253
55.0	2452.133	2608.818	2916.967	3196.390	3321.739
57.5	2266.721	2428.630	2765.504	3071.042	3199.002
60.0	2086.533	2253.664	2611.430	2940.470	3073.653
62.5	1880.230	2081.310	2465.190	2809.899	2943.082
65.0	1684.372	1903.732	2318.950	2671.493	2812.510
67.5	1488.515	1731.378	2172.710	2533.087	2666.270
70.0	1303.104	1566.858	2029.081	2397.293	2535.698
72.5	1104.635	1394.504	1888.064	2264.110	2407.738
75.0	914.000	1240.429	1757.492	2141.373	2285.001
77.5	720.755	1088.966	1626.921	2016.024	2157.041
80.0	545.789	947.949	1498.961	1885.452	2029.081
82.5	378.657	814.766	1373.612	1747.047	1877.618
85.0	242.863	699.863	1235.206	1543.355	1642.589
87.5	135.794	584.960	1018.458	1243.041	1305.715
90.0	67.897	438.720	752.092	927.058	987.121
92.5	36.560	347.320	618.909	762.538	809.543
95.0	23.503	297.703	556.235	702.475	752.092
97.5	18.280	255.920	511.840	650.246	699.863
100.0	13.057	240.252	483.115	611.075	660.692
102.5	13.057	206.303	504.006	582.349	624.132
105.0	10.446	177.577	535.343	616.297	629.355
107.5	10.446	148.852	485.726	715.532	741.646
110.0	7.834	127.960	430.886	707.698	812.155
112.5	7.834	107.069	389.103	642.412	749.480
115.0	7.834	91.400	347.320	579.737	678.972
117.5	7.834	78.343	308.149	527.509	621.520
120.0	7.834	65.286	271.589	472.669	561.457
122.5	7.834	54.840	235.029	423.052	501.395
125.0	7.834	47.006	206.303	376.046	446.555
127.5	7.834	39.171	177.577	331.652	396.937
130.0	7.834	33.949	151.463	287.257	349.932
132.5	7.834	28.726	127.960	250.697	305.537

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL8-LED-180L-FL-35.IES

CANDELA TABULATION - (Cont.)

135.0	7.834	23.503	104.457	214.137	266.366
137.5	7.834	20.891	88.789	180.189	224.583
140.0	7.834	15.669	75.731	148.852	185.412
142.5	7.834	13.057	62.674	122.737	151.463
145.0	7.834	10.446	49.617	99.234	125.349
147.5	7.834	10.446	41.783	80.954	101.846
150.0	7.834	7.834	31.337	65.286	80.954
152.5	7.834	7.834	23.503	49.617	62.674
155.0	7.834	7.834	15.669	36.560	47.006
157.5	7.834	7.834	13.057	26.114	36.560
160.0	7.834	7.834	10.446	18.280	23.503
162.5	7.834	7.834	7.834	13.057	15.669
165.0	7.834	7.834	7.834	7.834	10.446
167.5	7.834	7.834	7.834	5.223	7.834
170.0	7.834	7.834	7.834	5.223	7.834
172.5	7.834	7.834	5.223	5.223	5.223
175.0	7.834	7.834	5.223	5.223	5.223
177.5	7.834	7.834	5.223	5.223	5.223
180.0	5.223	5.223	5.223	5.223	5.223

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL8-LED-180L-FL-35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1714.67	N.A.	9.40
0-30	3700.00	N.A.	20.20
0-40	6169.43	N.A.	33.70
0-60	11436.71	N.A.	62.40
0-80	15483.42	N.A.	84.50
0-90	16654.3	N.A.	90.90
10-90	16216.49	N.A.	88.50
20-40	4454.76	N.A.	24.30
20-50	7127.45	N.A.	38.90
40-70	7532.38	N.A.	41.10
60-80	4046.71	N.A.	22.10
70-80	1781.61	N.A.	9.70
80-90	1170.89	N.A.	6.40
90-110	988.24	N.A.	5.40
90-120	1329.94	N.A.	7.30
90-130	1524.21	N.A.	8.30
90-150	1656.38	N.A.	9.00
90-180	1670.73	N.A.	9.10
110-180	682.48	N.A.	3.70
0-180	18325.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	437.81
10-20	1276.86
20-30	1985.33
30-40	2469.43
40-50	2672.68
50-60	2594.6
60-70	2265.1
70-80	1781.61
80-90	1170.89
90-100	547.95
100-110	440.29
110-120	341.70
120-130	194.26
130-140	94.91
140-150	37.27
150-160	11.13
160-170	2.61
170-180	0.61

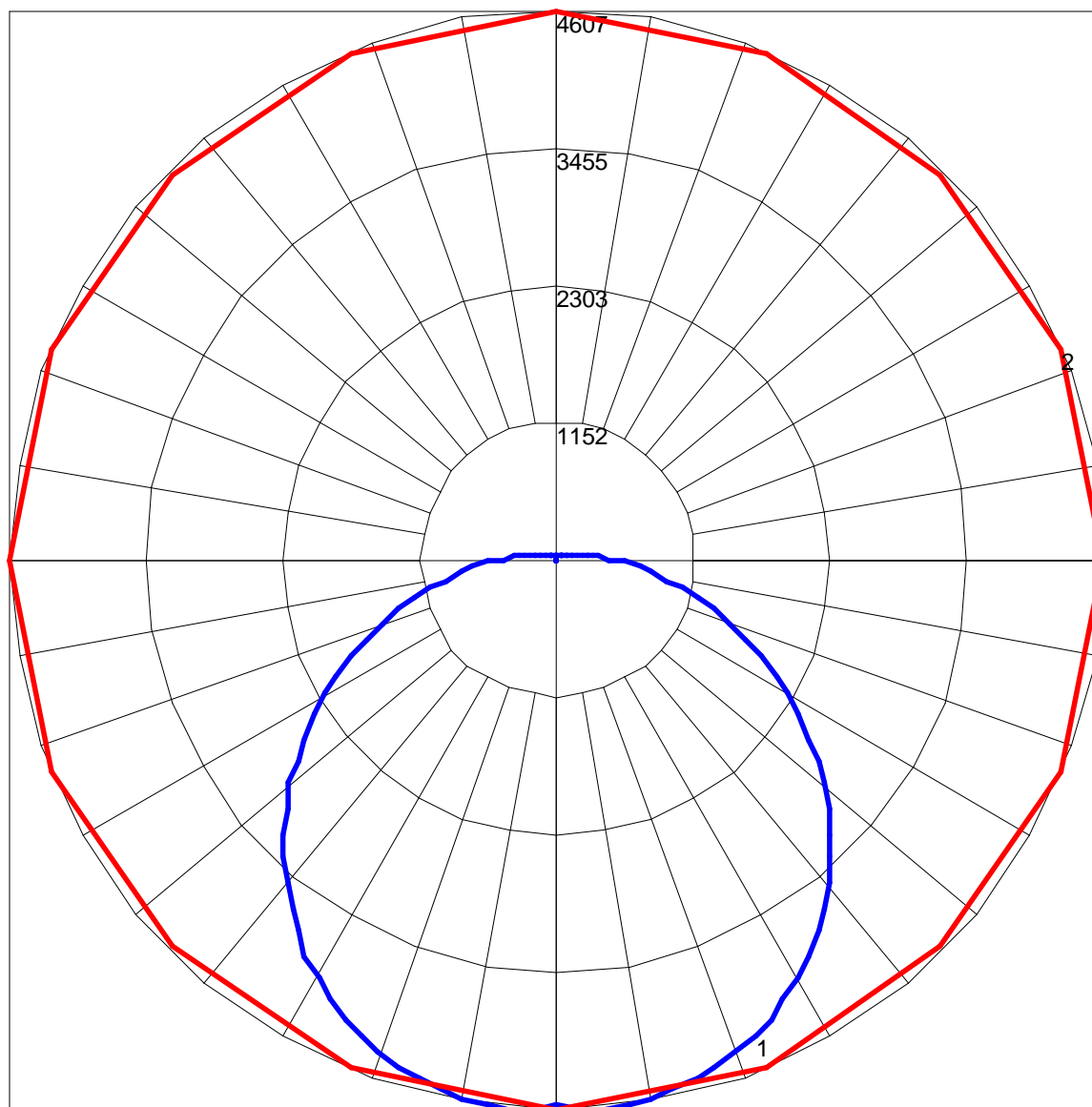
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL8-LED-180L-FL-35.IES

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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	104	98	93	88	100	95	90	86	89	85	82	84	80	77	78	76	74	71
2	94	84	76	70	90	82	74	68	76	70	65	72	67	63	67	63	60	57
3	85	73	64	57	81	71	63	56	67	59	54	62	57	52	59	54	50	47
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	39
5	71	57	48	41	68	55	47	40	52	45	39	49	43	37	46	41	36	34
6	65	51	42	35	63	50	41	35	47	39	33	44	38	32	42	36	31	29
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	26
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	23
9	52	38	30	24	50	38	29	24	36	28	23	34	27	23	32	26	22	20
10	49	35	27	22	47	35	27	22	33	26	21	31	25	21	30	24	20	18

POLAR GRAPH



Maximum Candela = 4606.562 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)