



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDL4-LED-40L-FL-35.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
[LUMCAT]SDL4-LED-40L-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	4026
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	30.1
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	9927	6458	6051
55	9281	5620	5401
65	8410	4825	4769
75	6685	4050	4206
85	3029	3431	3741

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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	982.151	982.151	982.151	982.151	982.151
2.5	1006.204	992.173	984.155	976.138	968.120
5.0	1006.204	990.169	984.155	976.138	968.120
7.5	1004.199	988.164	982.151	974.134	968.120
10.0	1000.191	984.155	980.147	974.134	966.116
12.5	992.173	978.142	974.134	970.125	964.112
15.0	984.155	972.129	968.120	966.116	960.103
17.5	972.129	960.103	960.103	960.103	954.090
20.0	958.098	948.076	950.081	952.085	948.076
22.5	942.063	932.041	938.055	944.068	940.059
25.0	922.019	916.006	924.024	932.041	932.041
27.5	901.976	895.962	907.989	920.015	920.015
30.0	877.923	875.918	889.949	905.984	907.989
32.5	851.866	851.866	871.910	891.954	891.954
35.0	823.804	827.813	847.857	873.914	875.918
37.5	793.738	799.752	825.809	853.870	857.879
40.0	761.668	769.686	799.752	831.822	837.835
42.5	729.598	739.620	773.695	809.774	815.787
45.0	693.519	707.550	743.629	785.721	795.743
47.5	657.440	673.475	715.567	761.668	773.695
50.0	619.357	639.400	685.501	737.616	749.642
52.5	585.282	601.317	655.436	709.554	727.594
55.0	539.181	565.238	621.361	681.493	699.532
57.5	501.098	527.155	589.291	653.431	673.475
60.0	461.010	489.071	559.225	625.370	647.418
62.5	420.922	452.992	527.155	595.304	619.357
65.0	374.821	414.909	495.084	565.238	589.291
67.5	332.729	376.825	463.014	537.177	561.229
70.0	288.632	338.742	430.944	507.111	533.168
72.5	242.531	298.654	400.878	479.049	505.106
75.0	198.435	266.584	370.812	450.988	479.049
77.5	156.342	234.514	342.751	424.931	452.992
80.0	114.250	204.448	316.694	398.874	426.935
82.5	78.171	176.386	290.637	372.817	400.878
85.0	42.092	150.329	266.584	348.764	376.825
87.5	18.040	126.277	244.536	326.716	354.777
90.0	2.004	106.233	222.487	302.663	332.729
92.5	0.000	88.193	202.443	280.615	308.676
95.0	2.004	74.162	182.399	258.566	286.628
97.5	2.004	62.136	164.360	238.522	264.579
100.0	2.004	50.110	146.320	218.479	244.536
102.5	2.004	42.092	132.290	198.435	224.492
105.0	2.004	36.079	116.255	182.399	206.452
107.5	0.000	30.066	104.228	166.364	188.413
110.0	0.000	24.053	92.202	150.329	172.378
112.5	0.000	20.044	82.180	136.299	156.342
115.0	0.000	18.040	72.158	122.268	142.312
117.5	0.000	14.031	62.136	110.241	128.281
120.0	0.000	12.026	54.119	98.215	114.250
122.5	0.000	10.022	48.105	86.189	102.224
125.0	0.000	8.018	42.092	78.171	92.202
127.5	0.000	6.013	34.075	68.149	80.176
130.0	2.004	6.013	30.066	58.127	70.154
132.5	0.000	4.009	24.053	50.110	60.132

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CANDELA TABULATION - (Cont.)

135.0	2.004	4.009	22.048	42.092	52.114
137.5	2.004	2.004	18.040	36.079	44.097
140.0	2.004	2.004	14.031	30.066	38.083
142.5	0.000	2.004	12.026	26.057	30.066
145.0	2.004	2.004	10.022	20.044	26.057
147.5	2.004	2.004	6.013	16.035	20.044
150.0	2.004	2.004	6.013	12.026	16.035
152.5	2.004	2.004	4.009	10.022	12.026
155.0	2.004	2.004	2.004	6.013	8.018
157.5	2.004	2.004	2.004	4.009	6.013
160.0	2.004	2.004	2.004	2.004	4.009
162.5	2.004	2.004	2.004	2.004	2.004
165.0	0.000	2.004	0.000	0.000	0.000
167.5	2.004	2.004	0.000	0.000	0.000
170.0	2.004	2.004	0.000	0.000	0.000
172.5	2.004	0.000	0.000	0.000	0.000
175.0	2.004	2.004	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	367.74	N.A.	9.10
0-30	794.31	N.A.	19.70
0-40	1326.19	N.A.	32.90
0-60	2458.9	N.A.	61.10
0-80	3322.19	N.A.	82.50
0-90	3590.27	N.A.	89.20
10-90	3496.45	N.A.	86.80
20-40	958.45	N.A.	23.80
20-50	1534.09	N.A.	38.10
40-70	1617.91	N.A.	40.20
60-80	863.29	N.A.	21.40
70-80	378.09	N.A.	9.40
80-90	268.08	N.A.	6.70
90-110	297.82	N.A.	7.40
90-120	368.62	N.A.	9.20
90-130	407.74	N.A.	10.10
90-150	433.67	N.A.	10.80
90-180	436.15	N.A.	10.80
110-180	138.33	N.A.	3.40
0-180	4026.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	93.82
10-20	273.92
20-30	426.57
30-40	531.88
40-50	575.64
50-60	557.07
60-70	485.20
70-80	378.09
80-90	268.08
90-100	180.91
100-110	116.90
110-120	70.81
120-130	39.11
130-140	18.60
140-150	7.34
150-160	2.07
160-170	0.36
170-180	0.04

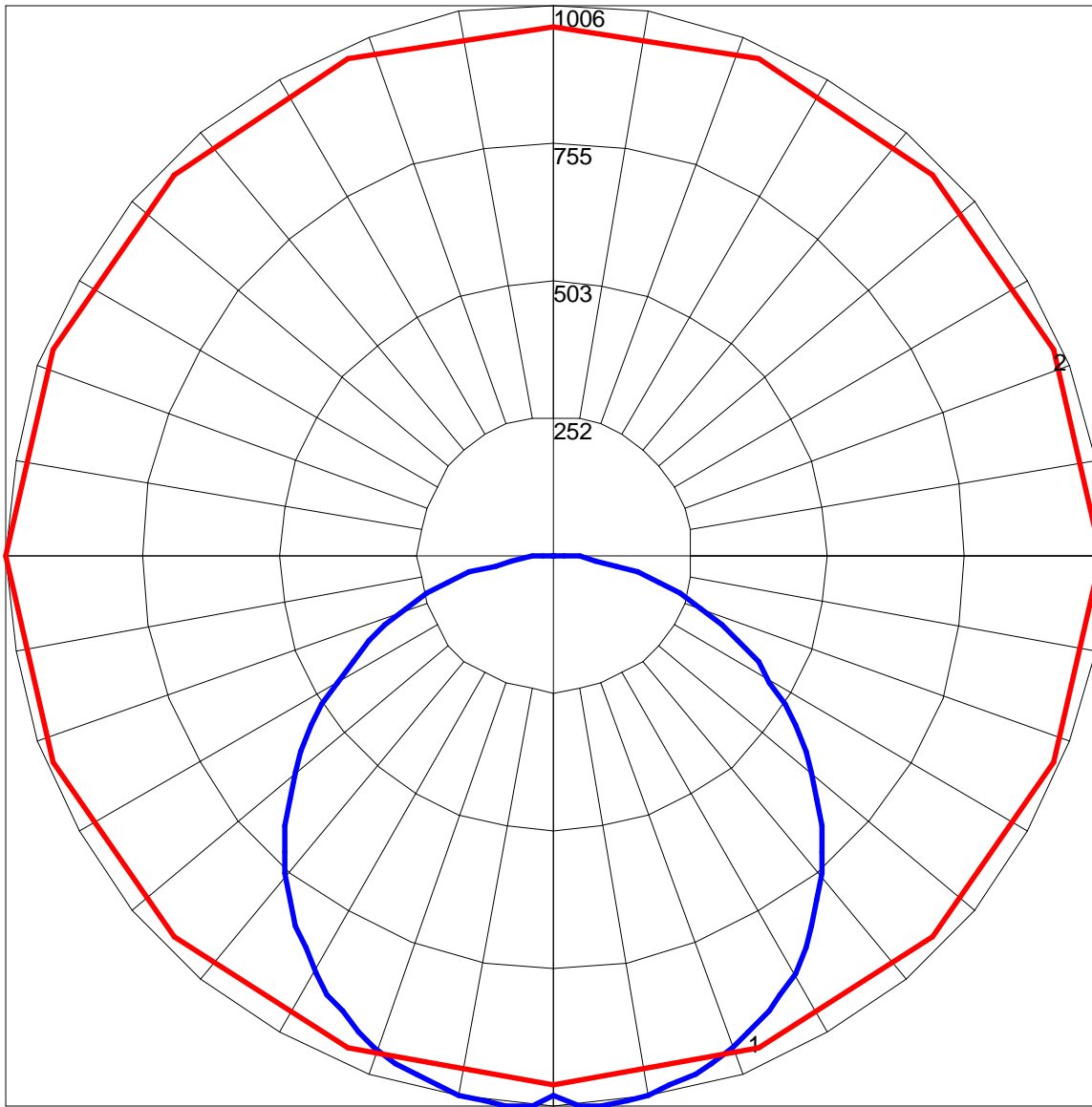
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1006.204 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.)