



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL4-LED-30L-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-30L-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	3041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
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	7498	4878	4570
55	7010	4245	4080
65	6353	3644	3602
75	5050	3059	3177
85	2288	2591	2825

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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	741.855	741.855	741.855	741.855	741.855
2.5	760.023	749.425	743.369	737.313	731.257
5.0	760.023	747.911	743.369	737.313	731.257
7.5	758.509	746.397	741.855	735.799	731.257
10.0	755.481	743.369	740.341	735.799	729.743
12.5	749.425	738.827	735.799	732.771	728.229
15.0	743.369	734.285	731.257	729.743	725.201
17.5	734.285	725.201	725.201	725.201	720.659
20.0	723.687	716.117	717.631	719.145	716.117
22.5	711.575	704.005	708.547	713.089	710.061
25.0	696.435	691.893	697.949	704.005	704.005
27.5	681.296	676.754	685.837	694.921	694.921
30.0	663.128	661.614	672.212	684.324	685.837
32.5	643.446	643.446	658.586	673.726	673.726
35.0	622.250	625.278	640.418	660.100	661.614
37.5	599.540	604.082	623.764	644.960	647.988
40.0	575.316	581.372	604.082	628.306	632.848
42.5	551.092	558.662	584.400	611.652	616.194
45.0	523.841	534.438	561.690	593.484	601.054
47.5	496.589	508.701	540.494	575.316	584.400
50.0	467.823	482.963	517.785	557.148	566.232
52.5	442.085	454.197	495.075	535.952	549.578
55.0	407.263	426.945	469.337	514.757	528.383
57.5	378.498	398.179	445.113	493.561	508.701
60.0	348.218	369.414	422.403	472.365	489.019
62.5	317.938	342.162	398.179	449.655	467.823
65.0	283.116	313.396	373.956	426.945	445.113
67.5	251.322	284.630	349.732	405.749	423.917
70.0	218.015	255.864	325.508	383.039	402.721
72.5	183.193	225.585	302.798	361.844	381.525
75.0	149.885	201.361	280.088	340.648	361.844
77.5	118.091	177.137	258.892	320.966	342.162
80.0	86.297	154.427	239.210	301.284	322.480
82.5	59.046	133.231	219.529	281.602	302.798
85.0	31.794	113.549	201.361	263.434	284.630
87.5	13.626	95.381	184.707	246.780	267.976
90.0	1.514	80.241	168.053	228.612	251.322
92.5	0.000	66.616	152.913	211.959	233.154
95.0	1.514	56.018	137.773	195.305	216.501
97.5	1.514	46.934	124.147	180.165	199.847
100.0	1.514	37.850	110.521	165.025	184.707
102.5	1.514	31.794	99.923	149.885	169.567
105.0	1.514	27.252	87.811	137.773	155.941
107.5	0.000	22.710	78.727	125.661	142.315
110.0	0.000	18.168	69.644	113.549	130.203
112.5	0.000	15.140	62.074	102.951	118.091
115.0	0.000	13.626	54.504	92.353	107.493
117.5	0.000	10.598	46.934	83.269	96.895
120.0	0.000	9.084	40.878	74.186	86.297
122.5	0.000	7.570	36.336	65.102	77.213
125.0	0.000	6.056	31.794	59.046	69.644
127.5	0.000	4.542	25.738	51.476	60.560
130.0	1.514	4.542	22.710	43.906	52.990
132.5	0.000	3.028	18.168	37.850	45.420

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CANDELA TABULATION - (Cont.)

135.0	1.514	3.028	16.654	31.794	39.364
137.5	1.514	1.514	13.626	27.252	33.308
140.0	1.514	1.514	10.598	22.710	28.766
142.5	0.000	1.514	9.084	19.682	22.710
145.0	1.514	1.514	7.570	15.140	19.682
147.5	1.514	1.514	4.542	12.112	15.140
150.0	1.514	1.514	4.542	9.084	12.112
152.5	1.514	1.514	3.028	7.570	9.084
155.0	1.514	1.514	1.514	4.542	6.056
157.5	1.514	1.514	1.514	3.028	4.542
160.0	1.514	1.514	1.514	1.514	3.028
162.5	1.514	1.514	1.514	1.514	1.514
165.0	0.000	1.514	0.000	0.000	0.000
167.5	1.514	1.514	0.000	0.000	0.000
170.0	1.514	1.514	0.000	0.000	0.000
172.5	1.514	0.000	0.000	0.000	0.000
175.0	1.514	1.514	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	277.77	N.A.	9.10
0-30	599.97	N.A.	19.70
0-40	1001.72	N.A.	32.90
0-60	1857.3	N.A.	61.10
0-80	2509.37	N.A.	82.50
0-90	2711.86	N.A.	89.20
10-90	2641.00	N.A.	86.80
20-40	723.95	N.A.	23.80
20-50	1158.76	N.A.	38.10
40-70	1222.06	N.A.	40.20
60-80	652.07	N.A.	21.40
70-80	285.59	N.A.	9.40
80-90	202.49	N.A.	6.70
90-110	224.95	N.A.	7.40
90-120	278.44	N.A.	9.20
90-130	307.98	N.A.	10.10
90-150	327.57	N.A.	10.80
90-180	329.44	N.A.	10.80
110-180	104.49	N.A.	3.40
0-180	3041.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	70.87
10-20	206.90
20-30	322.20
30-40	401.75
40-50	434.80
50-60	420.77
60-70	366.49
70-80	285.59
80-90	202.49
90-100	136.65
100-110	88.30
110-120	53.48
120-130	29.54
130-140	14.05
140-150	5.54
150-160	1.56
160-170	0.28
170-180	0.03

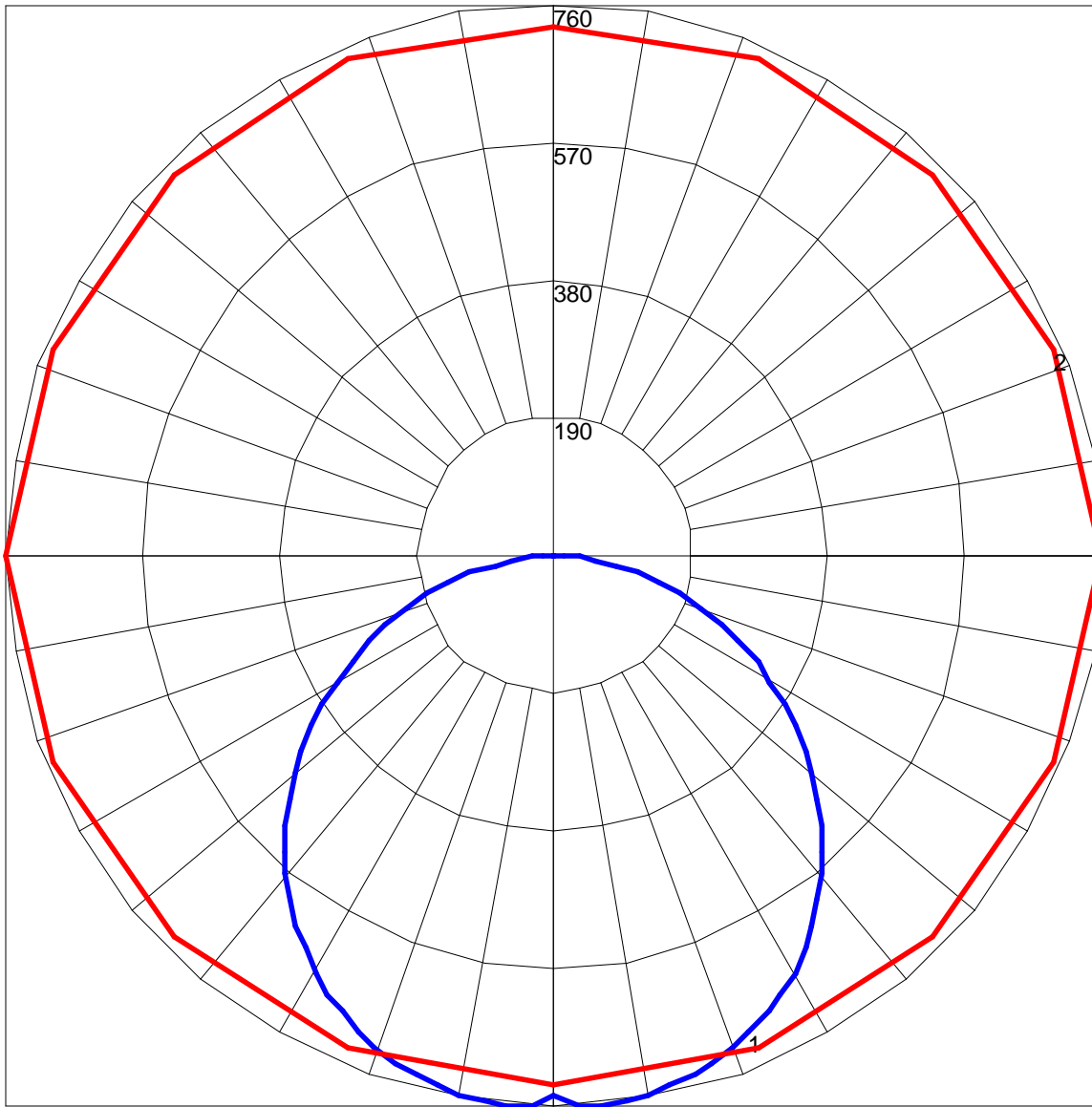
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 760.023 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.)