



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDL2-LED-30L-FL-35.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-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	3077
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
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	14205	9639	9377
55	12995	8353	8358
65	11299	7047	7412
75	8538	5895	6511
85	3626	4945	5786

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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	755.374	755.374	755.374	755.374	755.374
2.5	773.218	765.287	755.374	745.461	741.496
5.0	773.218	765.287	757.357	745.461	743.479
7.5	769.253	763.305	755.374	745.461	741.496
10.0	765.287	759.340	751.409	745.461	741.496
12.5	761.322	755.374	749.427	741.496	739.514
15.0	753.392	749.427	743.479	739.514	737.531
17.5	745.461	741.496	737.531	735.548	733.566
20.0	733.566	731.583	731.583	731.583	729.600
22.5	721.670	719.687	721.670	723.653	723.653
25.0	707.792	705.809	709.774	715.722	717.705
27.5	689.948	691.931	699.861	707.792	709.774
30.0	672.105	674.087	684.000	695.896	701.844
32.5	652.279	654.261	668.140	684.000	689.948
35.0	628.487	632.453	650.296	670.122	678.053
37.5	604.696	610.644	632.453	656.244	664.174
40.0	578.922	586.853	612.626	638.400	650.296
42.5	553.148	561.079	590.818	622.540	634.435
45.0	525.392	535.305	569.009	602.713	616.592
47.5	497.635	509.531	547.200	584.870	598.748
50.0	467.896	483.757	523.409	563.061	580.905
52.5	438.157	456.000	499.618	543.235	559.096
55.0	408.418	428.244	475.826	521.426	541.253
57.5	378.679	398.505	450.052	499.618	521.426
60.0	344.974	368.765	424.279	479.792	499.618
62.5	311.270	339.026	400.487	456.000	479.792
65.0	281.531	311.270	374.713	436.174	457.983
67.5	247.826	283.513	350.922	412.383	436.174
70.0	216.104	255.757	327.131	390.574	412.383
72.5	182.400	228.000	303.339	366.783	390.574
75.0	150.678	202.226	281.531	346.957	370.748
77.5	118.957	176.452	259.722	325.148	348.939
80.0	87.235	152.661	239.896	305.322	329.113
82.5	59.478	130.852	220.070	285.496	311.270
85.0	35.687	111.026	202.226	267.652	291.444
87.5	15.861	95.165	184.383	249.809	273.600
90.0	5.948	79.304	168.522	231.965	255.757
92.5	1.983	67.409	152.661	214.122	237.913
95.0	1.983	55.513	136.800	198.261	220.070
97.5	1.983	45.600	122.922	182.400	202.226
100.0	1.983	37.670	111.026	166.539	188.348
102.5	1.983	31.722	99.130	152.661	172.487
105.0	1.983	25.774	89.217	138.783	158.609
107.5	1.983	21.809	79.304	126.887	144.731
110.0	1.983	19.826	69.391	114.991	132.835
112.5	0.000	15.861	61.461	103.096	120.939
115.0	1.983	13.878	53.530	93.183	109.044
117.5	1.983	11.896	47.583	85.252	99.130
120.0	1.983	9.913	41.635	75.339	87.235
122.5	1.983	7.930	35.687	65.426	77.322
125.0	0.000	5.948	31.722	57.496	69.391
127.5	1.983	5.948	27.757	51.548	61.461
130.0	0.000	3.965	21.809	43.617	53.530
132.5	0.000	3.965	17.843	37.670	45.600

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CANDELA TABULATION - (Cont.)

135.0	0.000	1.983	15.861	31.722	39.652
137.5	0.000	1.983	13.878	27.757	33.704
140.0	0.000	1.983	11.896	21.809	27.757
142.5	0.000	1.983	7.930	17.843	21.809
145.0	0.000	1.983	5.948	15.861	17.843
147.5	0.000	1.983	5.948	11.896	13.878
150.0	0.000	0.000	3.965	7.930	11.896
152.5	0.000	0.000	1.983	5.948	7.930
155.0	0.000	0.000	1.983	3.965	5.948
157.5	0.000	0.000	0.000	1.983	3.965
160.0	0.000	0.000	0.000	1.983	1.983
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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	282.53	N.A.	9.20
0-30	610.68	N.A.	19.80
0-40	1018.69	N.A.	33.10
0-60	1883.46	N.A.	61.20
0-80	2541.22	N.A.	82.60
0-90	2745.61	N.A.	89.20
10-90	2673.55	N.A.	86.90
20-40	736.16	N.A.	23.90
20-50	1176.15	N.A.	38.20
40-70	1234.08	N.A.	40.10
60-80	657.76	N.A.	21.40
70-80	288.45	N.A.	9.40
80-90	204.39	N.A.	6.60
90-110	226.97	N.A.	7.40
90-120	281.34	N.A.	9.10
90-130	311.17	N.A.	10.10
90-150	330.35	N.A.	10.70
90-180	331.45	N.A.	10.80
110-180	104.48	N.A.	3.40
0-180	3077.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.06
10-20	210.47
20-30	328.16
30-40	408.00
40-50	439.99
50-60	424.79
60-70	369.31
70-80	288.45
80-90	204.39
90-100	137.76
100-110	89.21
110-120	54.36
120-130	29.83
130-140	13.91
140-150	5.26
150-160	1.07
160-170	0.03
170-180	0.00

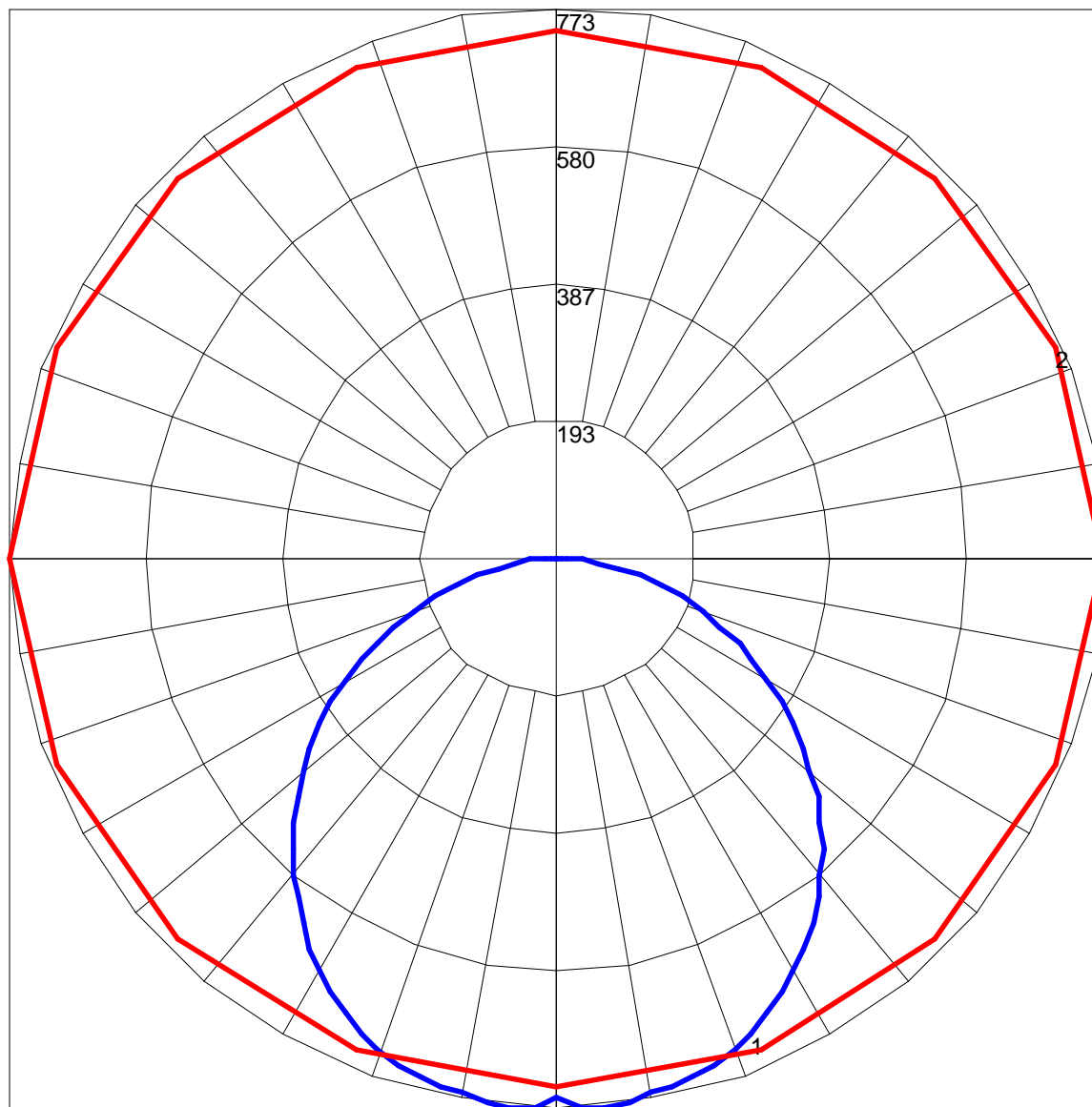
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 773.218 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.)