



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDL4-LED-60L-FL-30.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-60L-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	5816
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	43.9
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	14338	9327	8740
55	13404	8117	7802
65	12148	6968	6888
75	9656	5850	6075
85	4376	4955	5403

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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	1418.579	1418.579	1418.579	1418.579	1418.579
2.5	1453.320	1433.055	1421.474	1409.894	1398.314
5.0	1453.320	1430.160	1421.474	1409.894	1398.314
7.5	1450.425	1427.265	1418.579	1406.999	1398.314
10.0	1444.635	1421.474	1415.684	1406.999	1395.419
12.5	1433.055	1412.789	1406.999	1401.209	1392.524
15.0	1421.474	1404.104	1398.314	1395.419	1386.734
17.5	1404.104	1386.734	1386.734	1386.734	1378.049
20.0	1383.839	1369.363	1372.258	1375.154	1369.363
22.5	1360.678	1346.203	1354.888	1363.573	1357.783
25.0	1331.728	1323.042	1334.623	1346.203	1346.203
27.5	1302.777	1294.092	1311.462	1328.833	1328.833
30.0	1268.036	1265.141	1285.407	1308.567	1311.462
32.5	1230.401	1230.401	1259.351	1288.302	1288.302
35.0	1189.870	1195.660	1224.610	1262.246	1265.141
37.5	1146.444	1155.129	1192.765	1233.296	1239.086
40.0	1100.123	1111.703	1155.129	1201.450	1210.135
42.5	1053.802	1068.277	1117.493	1169.604	1178.289
45.0	1001.691	1021.956	1074.067	1134.864	1149.339
47.5	949.580	972.740	1033.536	1100.123	1117.493
50.0	894.574	923.524	990.111	1065.382	1082.752
52.5	845.358	868.518	946.685	1024.851	1050.907
55.0	778.771	816.407	897.469	984.320	1010.376
57.5	723.765	761.401	851.148	943.790	972.740
60.0	665.864	706.395	807.722	903.259	935.104
62.5	607.963	654.284	761.401	859.833	894.574
65.0	541.376	599.277	715.080	816.407	851.148
67.5	480.580	544.271	668.759	775.876	810.617
70.0	416.889	489.265	622.438	732.450	770.086
72.5	350.302	431.364	579.012	691.919	729.555
75.0	286.611	385.043	535.586	651.389	691.919
77.5	225.815	338.722	495.055	613.753	654.284
80.0	165.018	295.296	457.419	576.117	616.648
82.5	112.907	254.765	419.784	538.481	579.012
85.0	60.796	217.130	385.043	503.740	544.271
87.5	26.056	182.389	353.197	471.895	512.426
90.0	2.895	153.438	321.352	437.154	480.580
92.5	0.000	127.383	292.401	405.308	445.839
95.0	2.895	107.117	263.450	373.463	413.994
97.5	2.895	89.747	237.395	344.512	382.148
100.0	2.895	72.377	211.339	315.562	353.197
102.5	2.895	60.796	191.074	286.611	324.247
105.0	2.895	52.111	167.913	263.450	298.191
107.5	0.000	43.426	150.543	240.290	272.136
110.0	0.000	34.741	133.173	217.130	248.975
112.5	0.000	28.951	118.697	196.864	225.815
115.0	0.000	26.056	104.222	176.599	205.549
117.5	0.000	20.265	89.747	159.228	185.284
120.0	0.000	17.370	78.167	141.858	165.018
122.5	0.000	14.475	69.481	124.488	147.648
125.0	0.000	11.580	60.796	112.907	133.173
127.5	0.000	8.685	49.216	98.432	115.802
130.0	2.895	8.685	43.426	83.957	101.327
132.5	0.000	5.790	34.741	72.377	86.852

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CANDELA TABULATION - (Cont.)

135.0	2.895	5.790	31.846	60.796	75.272
137.5	2.895	2.895	26.056	52.111	63.691
140.0	2.895	2.895	20.265	43.426	55.006
142.5	0.000	2.895	17.370	37.636	43.426
145.0	2.895	2.895	14.475	28.951	37.636
147.5	2.895	2.895	8.685	23.160	28.951
150.0	2.895	2.895	8.685	17.370	23.160
152.5	2.895	2.895	5.790	14.475	17.370
155.0	2.895	2.895	2.895	8.685	11.580
157.5	2.895	2.895	2.895	5.790	8.685
160.0	2.895	2.895	2.895	2.895	5.790
162.5	2.895	2.895	2.895	2.895	2.895
165.0	0.000	2.895	0.000	0.000	0.000
167.5	2.895	2.895	0.000	0.000	0.000
170.0	2.895	2.895	0.000	0.000	0.000
172.5	2.895	0.000	0.000	0.000	0.000
175.0	2.895	2.895	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	531.15	N.A.	9.10
0-30	1147.27	N.A.	19.70
0-40	1915.5	N.A.	32.90
0-60	3551.54	N.A.	61.10
0-80	4798.44	N.A.	82.50
0-90	5185.64	N.A.	89.20
10-90	5050.13	N.A.	86.80
20-40	1384.35	N.A.	23.80
20-50	2215.78	N.A.	38.10
40-70	2336.84	N.A.	40.20
60-80	1246.9	N.A.	21.40
70-80	546.10	N.A.	9.40
80-90	387.20	N.A.	6.70
90-110	430.15	N.A.	7.40
90-120	532.43	N.A.	9.20
90-130	588.92	N.A.	10.10
90-150	626.38	N.A.	10.80
90-180	629.96	N.A.	10.80
110-180	199.80	N.A.	3.40
0-180	5815.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	135.51
10-20	395.64
20-30	616.12
30-40	768.23
40-50	831.43
50-60	804.61
60-70	700.80
70-80	546.10
80-90	387.20
90-100	261.31
100-110	168.85
110-120	102.27
120-130	56.49
130-140	26.86
140-150	10.60
150-160	2.99
160-170	0.53
170-180	0.06

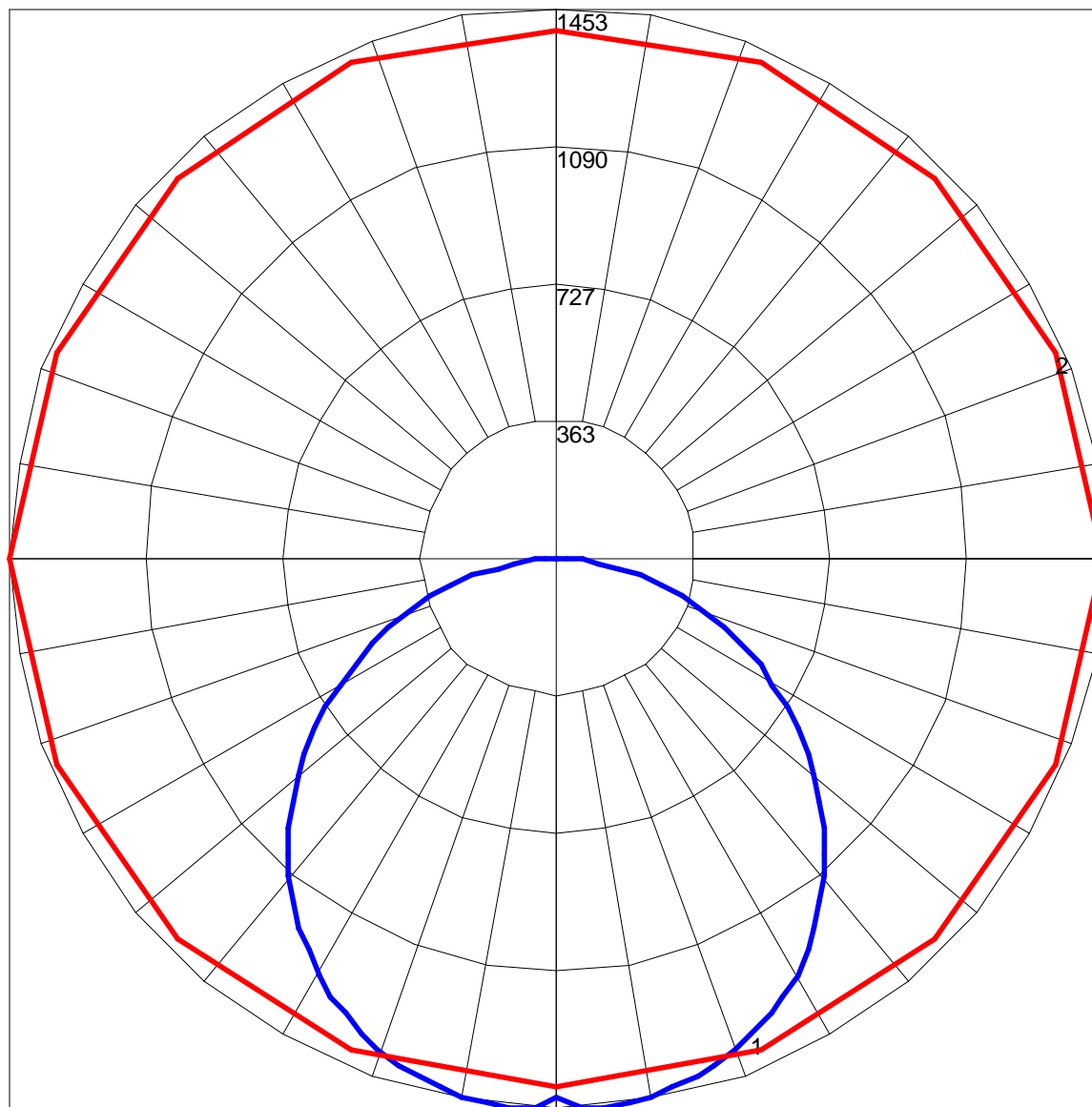
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	112	112	112	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	89	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	37	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 = 1453.32 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.)