



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDLRK8-LED-80L-FL-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-9829_scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUEDATE] 09/25/19

[TESTDATE] 03/01/18

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] SDLRK8-LED-80L-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	7922
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	60.6
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	10006	6598	6211
55	9513	5791	5544
65	8683	4975	4920
75	7351	4241	4337
85	4773	3529	3524

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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	1981.307	1981.307	1981.307	1981.307	1981.307
2.5	1989.210	1991.468	1982.436	1980.178	1988.081
5.0	1988.081	1990.339	1983.565	1982.436	1989.210
7.5	1982.436	1985.823	1979.049	1982.436	1988.081
10.0	1972.276	1976.791	1973.405	1977.920	1986.952
12.5	1956.470	1962.115	1963.244	1972.276	1982.436
15.0	1937.278	1945.181	1949.697	1964.373	1972.276
17.5	1912.441	1922.602	1931.633	1950.826	1963.244
20.0	1884.218	1896.636	1911.312	1935.020	1948.568
22.5	1851.478	1866.154	1887.604	1915.828	1931.633
25.0	1813.094	1828.899	1859.381	1892.120	1911.312
27.5	1771.323	1790.515	1825.512	1866.154	1888.733
30.0	1723.907	1745.357	1788.257	1836.802	1859.381
32.5	1670.846	1697.941	1748.744	1802.933	1828.899
35.0	1615.527	1646.009	1705.843	1765.678	1795.030
37.5	1555.693	1589.562	1658.428	1726.165	1758.904
40.0	1491.343	1528.598	1608.754	1683.264	1719.391
42.5	1425.864	1467.635	1555.693	1635.849	1677.620
45.0	1356.998	1403.285	1500.375	1589.562	1633.591
47.5	1285.874	1336.677	1442.798	1537.630	1583.917
50.0	1211.363	1268.940	1382.964	1487.956	1535.372
52.5	1144.755	1195.558	1322.000	1434.895	1486.827
55.0	1060.084	1127.821	1261.037	1381.835	1436.024
57.5	979.929	1049.923	1195.558	1327.645	1382.964
60.0	902.031	974.284	1128.950	1271.198	1328.774
62.5	812.844	899.773	1065.729	1214.750	1272.327
65.0	728.173	823.005	1002.508	1154.916	1215.879
67.5	643.501	748.494	939.286	1095.081	1152.658
70.0	563.346	677.370	877.194	1036.376	1096.210
72.5	477.546	602.859	816.231	978.800	1040.892
75.0	395.132	536.251	759.783	925.739	987.831
77.5	311.590	470.772	703.336	871.549	932.513
80.0	235.951	409.809	648.017	815.102	877.194
82.5	163.698	352.232	593.828	755.268	811.715
85.0	104.992	302.559	533.993	667.209	710.110
87.5	58.705	252.885	440.290	537.380	564.475
90.0	29.353	189.664	325.138	400.777	426.743
92.5	15.805	150.150	267.561	329.653	349.974
95.0	10.161	128.700	240.466	303.688	325.138
97.5	7.903	110.637	221.274	281.109	302.559
100.0	5.645	103.863	208.856	264.174	285.624
102.5	5.645	89.187	217.887	251.756	269.819
105.0	4.516	76.769	231.435	266.432	272.077
107.5	4.516	64.350	209.985	309.332	320.622
110.0	3.387	55.319	186.277	305.945	351.103
112.5	3.387	46.287	168.214	277.722	324.009
115.0	3.387	39.513	150.150	250.627	293.527
117.5	3.387	33.868	133.216	228.048	268.690
120.0	3.387	28.224	117.411	204.340	242.724
122.5	3.387	23.708	101.605	182.890	216.758
125.0	3.387	20.321	89.187	162.569	193.050
127.5	3.387	16.934	76.769	143.377	171.600
130.0	3.387	14.676	65.479	124.184	151.279
132.5	3.387	12.418	55.319	108.379	132.087

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CANDELA TABULATION - (Cont.)

135.0	3.387	10.161	45.158	92.574	115.153
137.5	3.387	9.032	38.384	77.898	97.090
140.0	3.387	6.774	32.740	64.350	80.155
142.5	3.387	5.645	27.095	53.061	65.479
145.0	3.387	4.516	21.450	42.900	54.190
147.5	3.387	4.516	18.063	34.997	44.029
150.0	3.387	3.387	13.547	28.224	34.997
152.5	3.387	3.387	10.161	21.450	27.095
155.0	3.387	3.387	6.774	15.805	20.321
157.5	3.387	3.387	5.645	11.289	15.805
160.0	3.387	3.387	4.516	7.903	10.161
162.5	3.387	3.387	3.387	5.645	6.774
165.0	3.387	3.387	3.387	3.387	4.516
167.5	3.387	3.387	3.387	2.258	3.387
170.0	3.387	3.387	3.387	2.258	3.387
172.5	3.387	3.387	2.258	2.258	2.258
175.0	3.387	3.387	2.258	2.258	2.258
177.5	3.387	3.387	2.258	2.258	2.258
180.0	2.258	2.258	2.258	2.258	2.258

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	741.27	N.A.	9.40
0-30	1599.55	N.A.	20.20
0-40	2667.11	N.A.	33.70
0-60	4944.22	N.A.	62.40
0-80	6693.65	N.A.	84.50
0-90	7199.84	N.A.	90.90
10-90	7010.57	N.A.	88.50
20-40	1925.84	N.A.	24.30
20-50	3081.27	N.A.	38.90
40-70	3256.33	N.A.	41.10
60-80	1749.44	N.A.	22.10
70-80	770.21	N.A.	9.70
80-90	506.19	N.A.	6.40
90-110	427.23	N.A.	5.40
90-120	574.95	N.A.	7.30
90-130	658.93	N.A.	8.30
90-150	716.07	N.A.	9.00
90-180	722.27	N.A.	9.10
110-180	295.05	N.A.	3.70
0-180	7922.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	189.27
10-20	552.00
20-30	858.28
30-40	1067.56
40-50	1155.43
50-60	1121.67
60-70	979.23
70-80	770.21
80-90	506.19
90-100	236.89
100-110	190.34
110-120	147.72
120-130	83.98
130-140	41.03
140-150	16.11
150-160	4.81
160-170	1.13
170-180	0.26

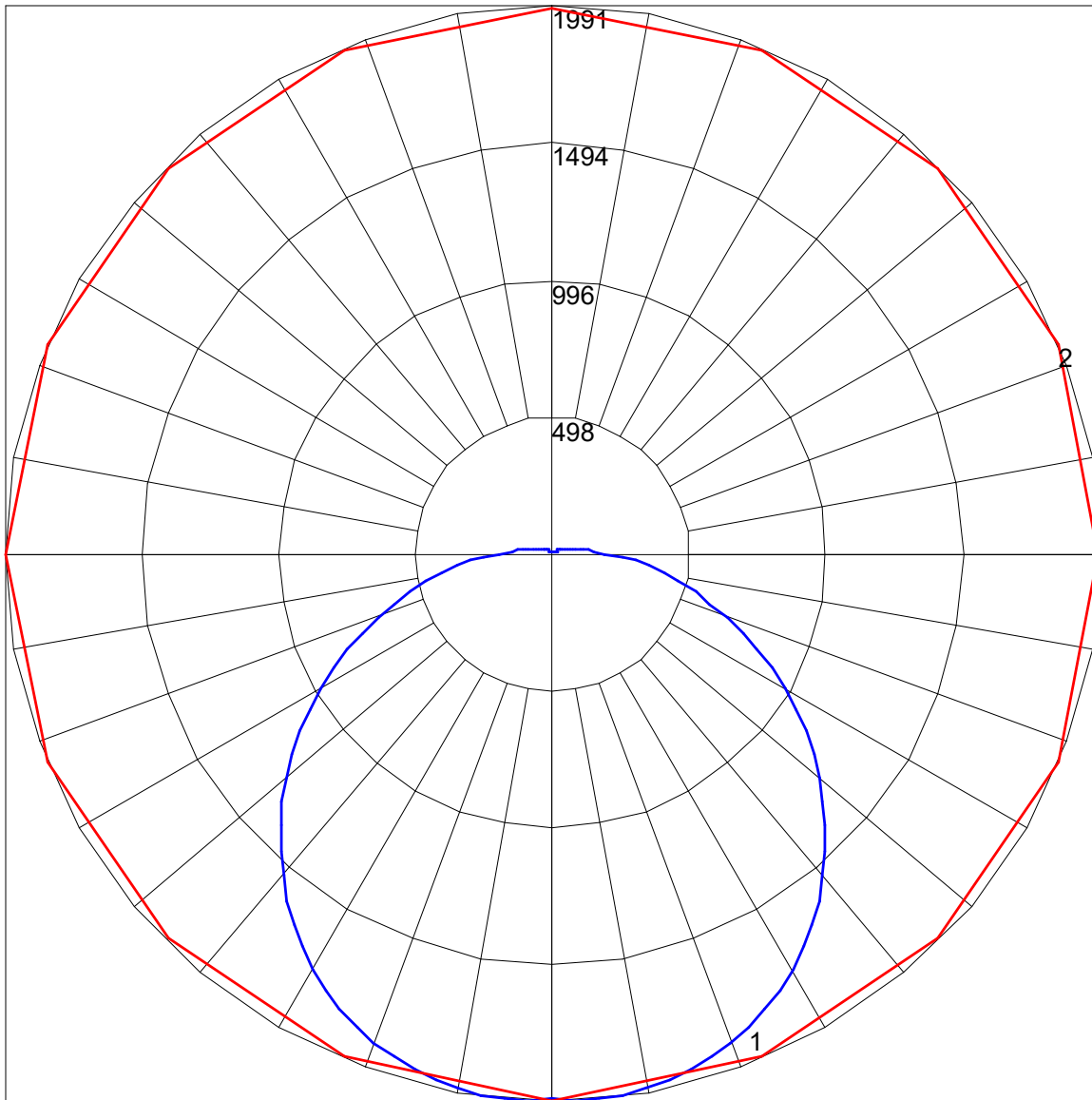
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1991.468 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.)