

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SRL-LD5-95SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-95SL-LW-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

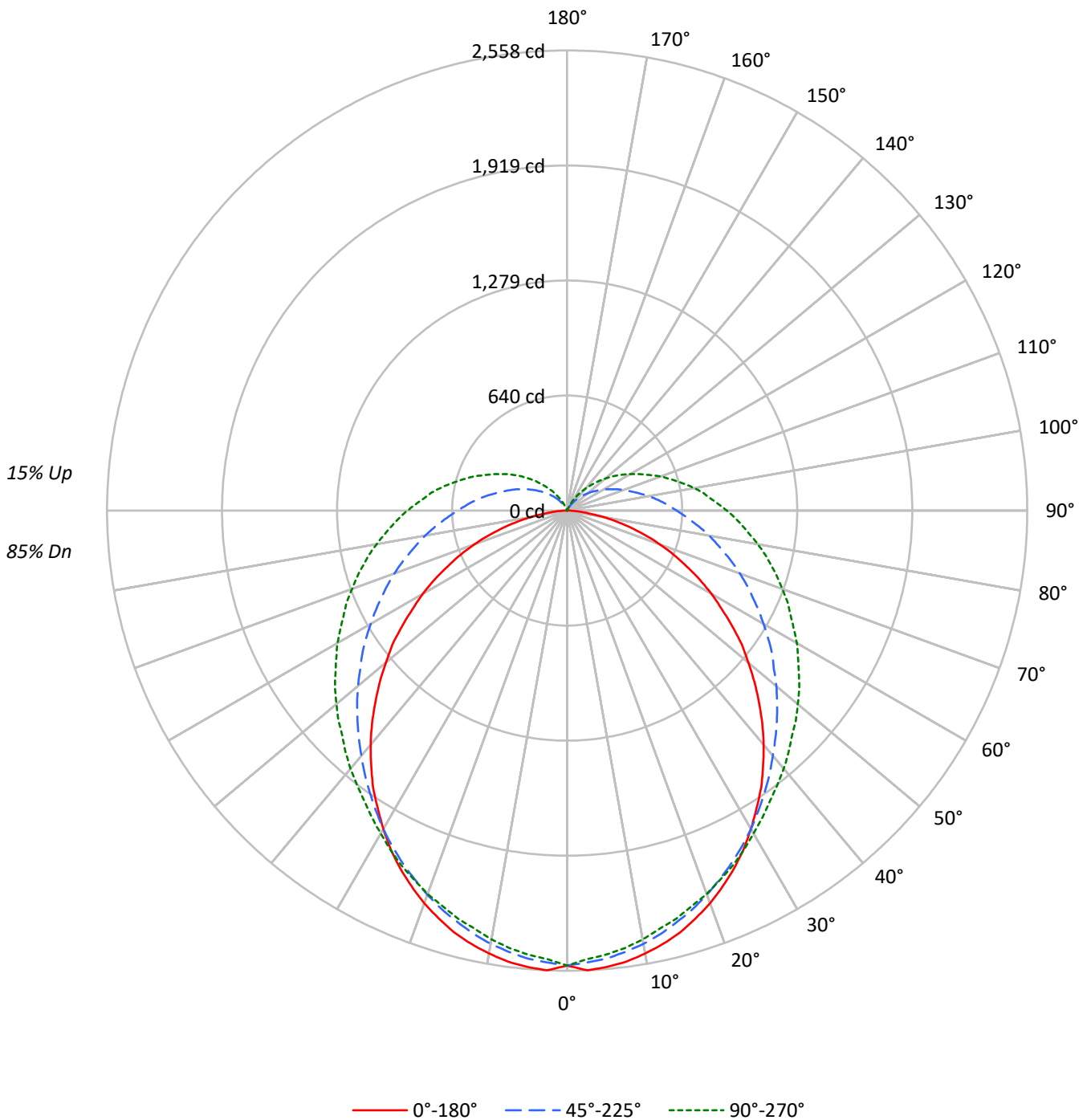
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9730.0 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 79.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P#
CATALOG NUMBER: 8SRL-LD5-95SL-LW-UNV-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-95SL-LW-UNV-L840-CD1-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																				
0	116	116	116	116	111	111	111	111	103	103	103		95	95	95		88	88	88	85
1	103	97	92	87	98	93	88	84	86	82	79		80	76	74		74	71	69	66
2	92	83	75	69	88	80	73	67	74	68	63		68	64	59		63	59	56	53
3	84	72	63	56	80	70	61	55	64	58	52		60	54	49		55	51	47	44
4	76	64	54	47	73	61	53	46	57	50	44		53	47	42		49	44	40	37
5	70	57	47	40	67	55	46	39	51	43	38		47	41	36		44	38	34	32
6	65	51	42	35	62	49	40	34	46	38	33		43	36	31		40	34	30	27
7	60	46	37	31	57	44	36	30	42	34	29		39	32	28		36	31	26	24
8	56	42	33	27	53	41	32	27	38	31	26		36	29	25		33	28	24	21
9	52	38	30	24	50	37	29	24	35	28	23		33	27	22		31	25	21	19
10	49	35	27	22	47	34	27	22	32	25	21		30	24	20		29	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14847	14847	14847
5°	14981	14130	13800
10°	14844	13426	12910
15°	14665	12719	12107
20°	14391	12054	11403
25°	14074	11416	10760
30°	13673	10810	10144
35°	13266	10222	9613
40°	12780	9676	9206
45°	12236	9201	8808
50°	11695	8770	8520
55°	11099	8396	8245
60°	10479	8027	8035
65°	9694	7727	7831
70°	8840	7497	7709
75°	7651	7287	7634
80°	5969	7191	7610
85°	3679	7167	7644



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-95SL-LW-UNV-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.9	2.4
10°-20°	671.5	6.9
20°-30°	1002.9	10.3
30°-40°	1201.9	12.4
40°-50°	1271.4	13.1
50°-60°	1227.8	12.6
60°-70°	1092.2	11.2
70°-80°	898.0	9.2
80°-90°	686.8	7.1
90°-100°	516.4	5.3
100°-110°	376.9	3.9
110°-120°	258.2	2.7
120°-130°	161.1	1.7
130°-140°	86.0	0.9
140°-150°	34.5	0.4
150°-160°	6.6	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1912.3	19.7
0°-40°	3114.2	32.0
0°-60°	5613.4	57.7
0°-90°	8290.3	85.2
90°-120°	1151.6	11.8
90°-150°	1433.1	14.7
90°-180°	1440.0	14.8
0°-180°	9730.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2529	2529	2529	2529	2529	
5°	2547	2532	2500	2496	2478	242
15°	2427	2402	2366	2366	2348	684
25°	2196	2174	2163	2188	2177	1010
35°	1880	1873	1913	1967	1967	1174
45°	1507	1551	1648	1743	1768	1164
55°	1120	1221	1391	1529	1572	1002
65°	732	898	1138	1315	1370	727
75°	366	605	906	1112	1174	389
85°	69	373	699	909	978	84
90°	0	286	609	819	888	3
95°	0	221	533	736	797	0
105°	0	138	391	572	630	0
115°	0	83	279	431	475	0
125°	0	51	188	304	341	0
135°	0	25	116	192	214	0
145°	0	7	51	98	112	0
155°	0	0	7	25	25	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-95SL-LW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2528.8	2528.8	2528.8	2528.8	2528.8
2.5°	2557.8	2543.3	2514.3	2510.7	2496.2
5°	2546.9	2532.4	2499.8	2496.2	2478.1
7.5°	2528.8	2510.7	2474.5	2470.9	2452.7
10°	2499.8	2481.7	2445.5	2441.9	2420.1
12.5°	2467.2	2449.1	2409.3	2405.6	2380.3
15°	2427.4	2402.0	2365.8	2365.8	2347.7
17.5°	2376.7	2354.9	2322.3	2325.9	2304.2
20°	2322.3	2300.6	2271.6	2282.5	2268.0
22.5°	2260.7	2235.4	2217.2	2231.7	2220.9
25°	2195.5	2173.8	2162.9	2188.3	2177.4
27.5°	2123.1	2101.3	2104.9	2130.3	2126.7
30°	2043.3	2028.9	2043.3	2076.0	2072.3
32.5°	1960.0	1952.8	1978.1	2021.6	2021.6
35°	1880.3	1873.1	1912.9	1967.3	1967.3
37.5°	1789.7	1793.4	1847.7	1909.3	1920.2
40°	1699.2	1713.7	1778.9	1855.0	1873.1
42.5°	1605.0	1630.3	1713.7	1797.0	1822.3
45°	1507.1	1550.6	1648.4	1742.6	1768.0
47.5°	1413.0	1467.3	1583.2	1691.9	1724.5
50°	1315.1	1380.3	1518.0	1637.6	1673.8
52.5°	1224.6	1300.6	1449.2	1583.2	1626.7
55°	1119.5	1220.9	1391.2	1528.9	1572.4
57.5°	1018.1	1137.6	1326.0	1474.5	1521.6
60°	927.5	1054.3	1260.8	1423.8	1474.5
62.5°	829.7	974.6	1199.2	1369.5	1420.2
65°	731.8	898.5	1137.6	1315.1	1369.5
67.5°	641.3	818.8	1079.6	1264.4	1326.0
70°	547.1	746.3	1021.7	1213.7	1271.7
72.5°	456.5	673.9	963.7	1159.3	1224.6
75°	365.9	605.0	905.7	1112.2	1173.8
77.5°	279.0	539.8	851.4	1061.5	1126.7
80°	199.3	478.2	800.7	1010.8	1076.0
82.5°	126.8	420.3	750.0	960.1	1025.3
85°	68.8	373.2	699.2	909.4	978.2
87.5°	25.4	322.4	652.1	865.9	934.7
90°	0.0	286.2	608.7	818.8	887.6
92.5°	0.0	250.0	568.8	775.3	840.5
95°	0.0	221.0	532.6	735.5	797.0
97.5°	0.0	195.6	496.3	695.6	760.8
100°	0.0	173.9	460.1	652.1	717.3
102.5°	0.0	152.2	423.9	612.3	673.9
105°	0.0	137.7	391.3	572.4	630.4
107.5°	0.0	123.2	362.3	539.8	590.5
110°	0.0	108.7	333.3	500.0	554.3



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-95SL-LW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	97.8	308.0	467.4	510.8
115°	0.0	83.3	279.0	431.1	474.6
117.5°	0.0	76.1	257.2	398.5	438.4
120°	0.0	65.2	231.9	365.9	405.8
122.5°	0.0	58.0	210.1	333.3	373.2
125°	0.0	50.7	188.4	304.3	340.6
127.5°	0.0	43.5	170.3	275.3	308.0
130°	0.0	36.2	148.5	246.4	275.3
132.5°	0.0	29.0	130.4	217.4	246.4
135°	0.0	25.4	115.9	192.0	213.8
137.5°	0.0	18.1	97.8	166.7	188.4
140°	0.0	14.5	83.3	144.9	159.4
142.5°	0.0	10.9	65.2	119.6	137.7
145°	0.0	7.2	50.7	97.8	112.3
147.5°	0.0	3.6	36.2	79.7	87.0
150°	0.0	3.6	25.4	61.6	65.2
152.5°	0.0	0.0	18.1	43.5	43.5
155°	0.0	0.0	7.2	25.4	25.4
157.5°	3.6	0.0	3.6	10.9	10.9
160°	3.6	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)