

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-L850-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-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

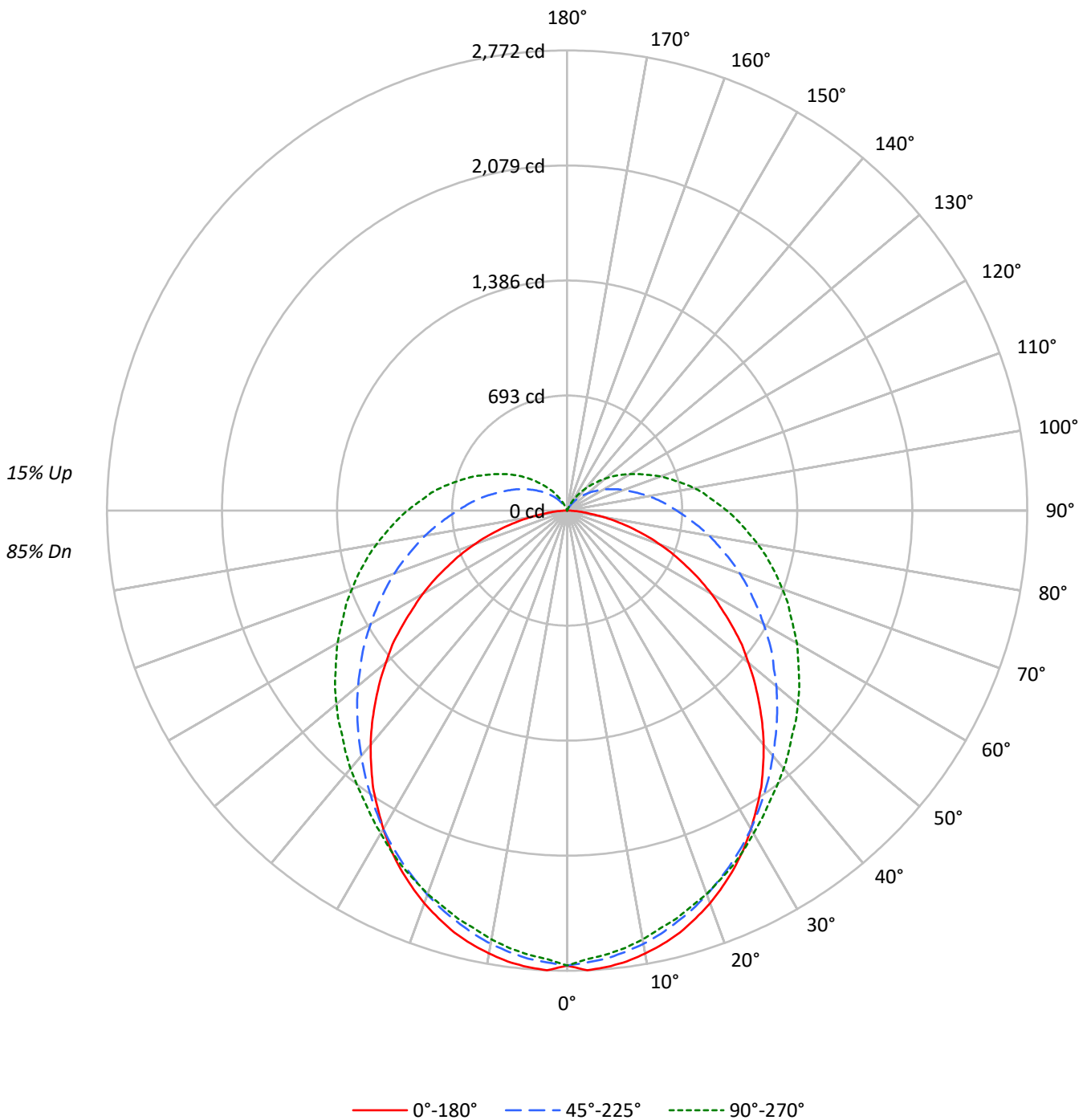
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10544.0 lumens
Efficiency: N/A
Efficacy: 132.3 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 (Ain): 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

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Luminous Intensity Polar Plot





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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	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°	16089	16089	16089
5°	16234	15313	14955
10°	16086	14549	13991
15°	15892	13783	13120
20°	15595	13062	12357
25°	15251	12371	11661
30°	14817	11715	10993
35°	14376	11077	10417
40°	13848	10485	9976
45°	13259	9972	9545
50°	12674	9504	9232
55°	12027	9098	8935
60°	11355	8699	8708
65°	10506	8373	8485
70°	9578	8124	8354
75°	8291	7897	8272
80°	6466	7793	8246
85°	3989	7767	8284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.8	2.4
10°-20°	727.7	6.9
20°-30°	1086.8	10.3
30°-40°	1302.4	12.4
40°-50°	1377.8	13.1
50°-60°	1330.5	12.6
60°-70°	1183.6	11.2
70°-80°	973.1	9.2
80°-90°	744.2	7.1
90°-100°	559.7	5.3
100°-110°	408.4	3.9
110°-120°	279.8	2.7
120°-130°	174.6	1.7
130°-140°	93.2	0.9
140°-150°	37.4	0.4
150°-160°	7.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2072.2	19.7
0°-40°	3374.7	32.0
0°-60°	6083.0	57.7
0°-90°	8983.8	85.2
90°-120°	1247.9	11.8
90°-150°	1553.0	14.7
90°-180°	1560.0	14.8
0°-180°	10544.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2740	2740	2740	2740	2740	
5°	2760	2744	2709	2705	2685	262
15°	2630	2603	2564	2564	2544	741
25°	2379	2356	2344	2371	2360	1095
35°	2038	2030	2073	2132	2132	1272
45°	1633	1680	1786	1888	1916	1261
55°	1213	1323	1508	1657	1704	1086
65°	793	974	1233	1425	1484	788
75°	396	656	982	1205	1272	421
85°	75	404	758	985	1060	91
90°	0	310	660	887	962	4
95°	0	240	577	797	864	0
105°	0	149	424	620	683	0
115°	0	90	302	467	514	0
125°	0	55	204	330	369	0
135°	0	28	126	208	232	0
145°	0	8	55	106	122	0
155°	0	0	8	28	28	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#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2740.4	2740.4	2740.4	2740.4	2740.4
2.5°	2771.8	2756.1	2724.7	2720.7	2705.0
5°	2760.0	2744.3	2709.0	2705.0	2685.4
7.5°	2740.4	2720.7	2681.5	2677.6	2657.9
10°	2709.0	2689.3	2650.1	2646.2	2622.6
12.5°	2673.6	2654.0	2610.8	2606.9	2579.4
15°	2630.5	2603.0	2563.7	2563.7	2544.1
17.5°	2575.5	2551.9	2516.6	2520.5	2497.0
20°	2516.6	2493.0	2461.6	2473.4	2457.7
22.5°	2449.9	2422.4	2402.7	2418.4	2406.7
25°	2379.2	2355.6	2343.8	2371.3	2359.6
27.5°	2300.7	2277.1	2281.0	2308.5	2304.6
30°	2214.3	2198.6	2214.3	2249.6	2245.7
32.5°	2124.0	2116.1	2143.6	2190.7	2190.7
35°	2037.6	2029.8	2073.0	2131.8	2131.8
37.5°	1939.5	1943.4	2002.3	2069.0	2080.8
40°	1841.3	1857.0	1927.7	2010.1	2029.8
42.5°	1739.2	1766.7	1857.0	1947.3	1974.8
45°	1633.2	1680.3	1786.4	1888.4	1915.9
47.5°	1531.2	1590.0	1715.7	1833.5	1868.8
50°	1425.2	1495.8	1645.0	1774.6	1813.8
52.5°	1327.0	1409.5	1570.4	1715.7	1762.8
55°	1213.1	1323.1	1507.6	1656.8	1703.9
57.5°	1103.2	1232.8	1436.9	1597.9	1648.9
60°	1005.1	1142.5	1366.3	1542.9	1597.9
62.5°	899.1	1056.1	1299.5	1484.0	1539.0
65°	793.1	973.7	1232.8	1425.2	1484.0
67.5°	694.9	887.3	1170.0	1370.2	1436.9
70°	592.8	808.8	1107.1	1315.2	1378.0
72.5°	494.7	730.2	1044.3	1256.3	1327.0
75°	396.5	655.6	981.5	1205.3	1272.0
77.5°	302.3	585.0	922.6	1150.3	1221.0
80°	215.9	518.2	867.7	1095.4	1166.0
82.5°	137.4	455.4	812.7	1040.4	1111.1
85°	74.6	404.4	757.7	985.4	1060.0
87.5°	27.5	349.4	706.7	938.3	1012.9
90°	0.0	310.2	659.6	887.3	961.9
92.5°	0.0	270.9	616.4	840.2	910.8
95°	0.0	239.5	577.1	797.0	863.7
97.5°	0.0	212.0	537.9	753.8	824.5
100°	0.0	188.5	498.6	706.7	777.4
102.5°	0.0	164.9	459.3	663.5	730.2
105°	0.0	149.2	424.0	620.3	683.1
107.5°	0.0	133.5	392.6	585.0	639.9
110°	0.0	117.8	361.2	541.8	600.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	106.0	333.7	506.5	553.6
115°	0.0	90.3	302.3	467.2	514.3
117.5°	0.0	82.4	278.7	431.9	475.1
120°	0.0	70.7	251.3	396.5	439.7
122.5°	0.0	62.8	227.7	361.2	404.4
125°	0.0	55.0	204.2	329.8	369.0
127.5°	0.0	47.1	184.5	298.4	333.7
130°	0.0	39.3	161.0	267.0	298.4
132.5°	0.0	31.4	141.3	235.6	267.0
135°	0.0	27.5	125.6	208.1	231.6
137.5°	0.0	19.6	106.0	180.6	204.2
140°	0.0	15.7	90.3	157.0	172.7
142.5°	0.0	11.8	70.7	129.6	149.2
145°	0.0	7.9	55.0	106.0	121.7
147.5°	0.0	3.9	39.3	86.4	94.2
150°	0.0	3.9	27.5	66.7	70.7
152.5°	0.0	0.0	19.6	47.1	47.1
155°	0.0	0.0	7.9	27.5	27.5
157.5°	3.9	0.0	3.9	11.8	11.8
160°	3.9	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)