

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: **4SRL-LD5-52SL-LN-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 (P35658)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-52SL-LN-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

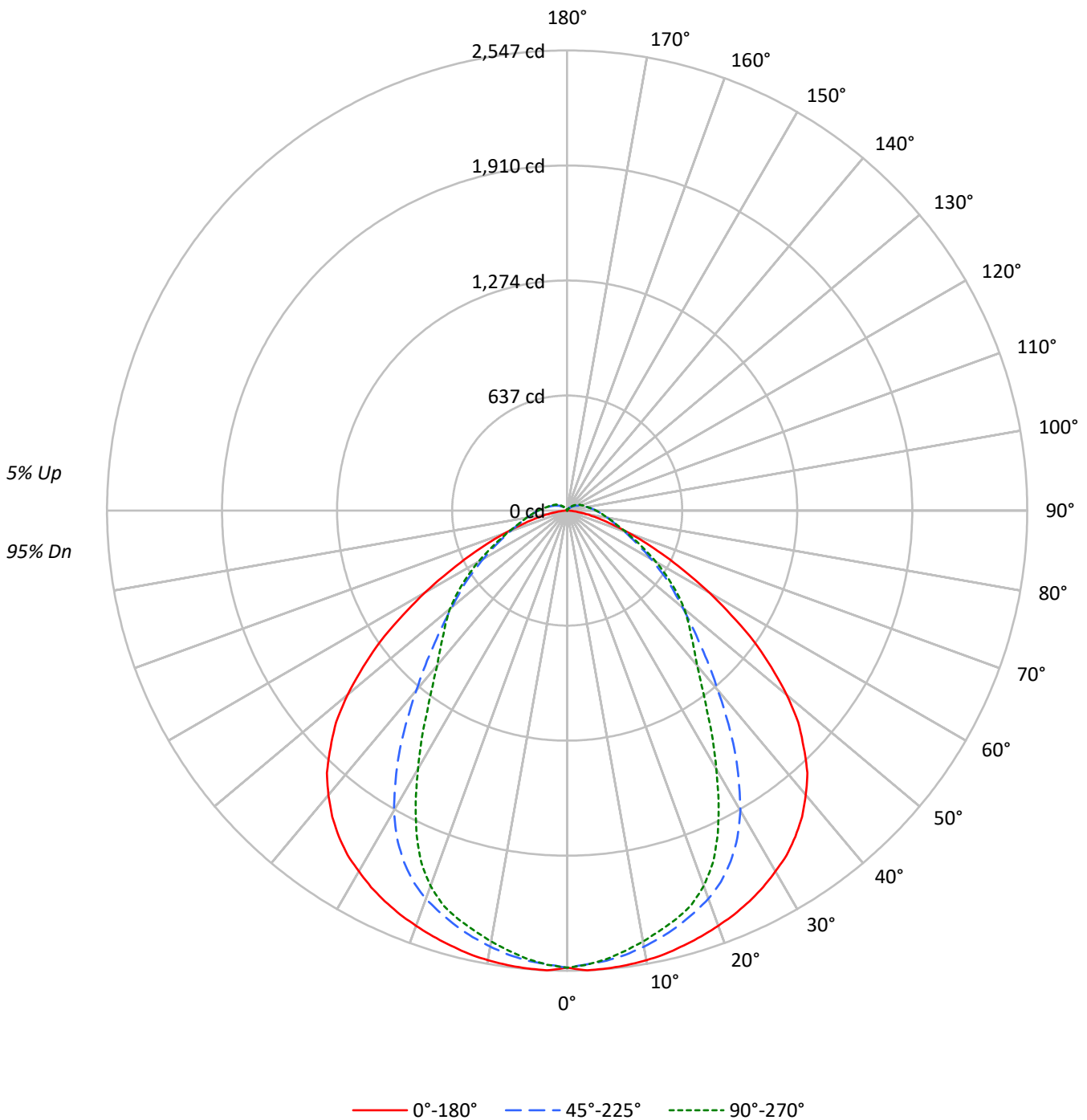
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5784.0 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 39.9
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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29706	29706	29706
5°	29863	28235	27755
10°	29895	26836	25837
15°	29930	25480	24133
20°	30062	24151	22238
25°	30276	22477	19506
30°	30465	20150	16154
35°	30600	17128	13174
40°	30348	13970	10986
45°	29408	11440	9656
50°	27503	9498	8622
55°	24292	8108	7405
60°	19783	6726	6186
65°	15200	5632	5066
70°	11100	4823	4196
75°	7762	4264	3569
80°	5210	3951	3187
85°	3015	3765	2971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.3	4.1
10°-20°	676.9	11.7
20°-30°	989.1	17.1
30°-40°	1056.4	18.3
40°-50°	930.9	16.1
50°-60°	706.9	12.2
60°-70°	450.6	7.8
70°-80°	268.8	4.6
80°-90°	168.9	2.9
90°-100°	111.7	1.9
100°-110°	76.0	1.3
110°-120°	51.1	0.9
120°-130°	31.6	0.5
130°-140°	16.7	0.3
140°-150°	7.2	0.1
150°-160°	2.3	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	1904.3	32.9
0°-40°	2960.7	51.2
0°-60°	4598.5	79.5
0°-90°	5486.8	94.9
90°-120°	238.8	4.1
90°-150°	294.3	5.1
90°-180°	297.0	5.1
0°-180°	5784.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2530	2530	2530	2530	2530	
5°	2544	2525	2501	2508	2492	242
15°	2492	2446	2379	2362	2340	705
25°	2386	2279	2142	2039	1974	1101
35°	2203	1963	1616	1413	1348	1376
45°	1851	1393	1036	975	969	1423
55°	1264	790	681	705	706	1118
65°	600	406	422	447	443	606
75°	200	206	271	283	274	223
85°	34	112	189	199	190	41
90°	1	84	160	167	160	2
95°	0	64	133	141	133	0
105°	0	40	93	102	98	0
115°	0	25	64	77	76	0
125°	1	16	43	54	53	1
135°	1	9	26	33	32	1
145°	1	4	14	18	16	1
155°	1	2	5	8	5	1
165°	1	2	2	0	0	0
175°	2	2	2	0	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2529.8	2529.8	2529.8	2529.8	2529.8
2.5°	2547.4	2532.3	2513.4	2526.0	2516.0
5°	2543.6	2524.8	2500.9	2508.4	2492.0
7.5°	2537.4	2513.4	2479.5	2476.9	2458.1
10°	2527.3	2495.8	2450.5	2441.7	2421.6
12.5°	2513.4	2474.4	2417.8	2403.9	2380.0
15°	2492.0	2445.5	2378.8	2362.4	2339.8
17.5°	2470.7	2412.8	2334.7	2314.6	2288.2
20°	2445.5	2375.0	2286.9	2244.1	2211.4
22.5°	2419.0	2332.2	2224.0	2152.2	2109.4
25°	2386.3	2279.3	2142.2	2038.9	1973.5
27.5°	2349.8	2224.0	2041.5	1892.9	1814.9
30°	2305.8	2149.7	1918.1	1731.8	1650.0
32.5°	2261.7	2069.2	1767.1	1573.3	1499.0
35°	2202.6	1963.4	1616.1	1413.4	1348.0
37.5°	2135.9	1845.1	1451.2	1271.2	1223.4
40°	2055.3	1706.7	1296.4	1152.9	1117.6
42.5°	1968.5	1554.4	1161.7	1057.2	1038.4
45°	1851.4	1393.3	1035.8	975.4	969.1
47.5°	1735.6	1232.2	928.9	903.7	907.5
50°	1587.1	1072.3	831.9	840.8	847.0
52.5°	1423.5	925.1	752.6	771.5	776.6
55°	1263.6	790.4	680.9	704.8	706.1
57.5°	1077.4	672.1	602.9	639.4	635.6
60°	908.7	567.6	536.2	565.1	567.6
62.5°	742.6	482.0	477.0	502.2	500.9
65°	600.4	406.5	421.6	446.8	443.0
67.5°	477.0	339.8	375.1	396.5	387.7
70°	363.7	288.2	334.8	351.2	346.1
72.5°	273.1	244.2	299.5	314.7	305.8
75°	200.1	206.4	270.6	283.2	274.4
77.5°	143.5	177.5	247.9	255.5	249.2
80°	96.9	151.0	225.3	235.4	225.3
82.5°	61.7	129.6	206.4	215.2	206.4
85°	34.0	112.0	188.8	198.9	190.1
87.5°	15.1	96.9	173.7	182.5	174.9
90°	1.3	84.3	159.8	167.4	159.8
92.5°	0.0	73.0	146.0	154.8	147.3
95°	0.0	64.2	133.4	141.0	133.4
97.5°	0.0	56.6	122.1	129.6	123.3
100°	0.0	50.3	112.0	119.6	113.3
102.5°	0.0	44.1	101.9	110.8	105.7
105°	0.0	40.3	93.1	101.9	98.2
107.5°	0.0	35.2	85.6	95.7	93.1
110°	0.0	31.5	78.0	89.4	86.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.9	70.5	83.1	80.6
115°	0.0	25.2	64.2	76.8	75.5
117.5°	0.0	22.7	59.2	70.5	70.5
120°	1.3	20.1	54.1	65.4	64.2
122.5°	1.3	17.6	47.8	59.2	57.9
125°	1.3	16.4	42.8	54.1	52.9
127.5°	1.3	13.8	39.0	47.8	46.6
130°	1.3	12.6	34.0	42.8	41.5
132.5°	1.3	10.1	30.2	37.8	36.5
135°	1.3	8.8	26.4	32.7	31.5
137.5°	1.3	7.6	22.7	28.9	27.7
140°	1.3	6.3	20.1	25.2	23.9
142.5°	1.3	5.0	16.4	21.4	20.1
145°	1.3	3.8	13.8	17.6	16.4
147.5°	1.3	2.5	11.3	15.1	13.8
150°	1.3	2.5	8.8	12.6	11.3
152.5°	1.3	2.5	7.6	10.1	7.6
155°	1.3	2.5	5.0	7.6	5.0
157.5°	1.3	2.5	3.8	5.0	3.8
160°	1.3	2.5	3.8	3.8	1.3
162.5°	1.3	2.5	2.5	1.3	0.0
165°	1.3	2.5	2.5	0.0	0.0
167.5°	1.3	2.5	2.5	0.0	0.0
170°	1.3	2.5	2.5	0.0	0.0
172.5°	1.3	2.5	2.5	0.0	0.0
175°	2.5	2.5	2.5	0.0	0.0
177.5°	1.3	2.5	1.3	0.0	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)