

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: P218098

Luminaire Tested: **4SNLED-LD5-52SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218098  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-52SL-LC-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6125.0 lumens  
Efficiency: N/A  
Efficacy: 143.1 lumens/watt  
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

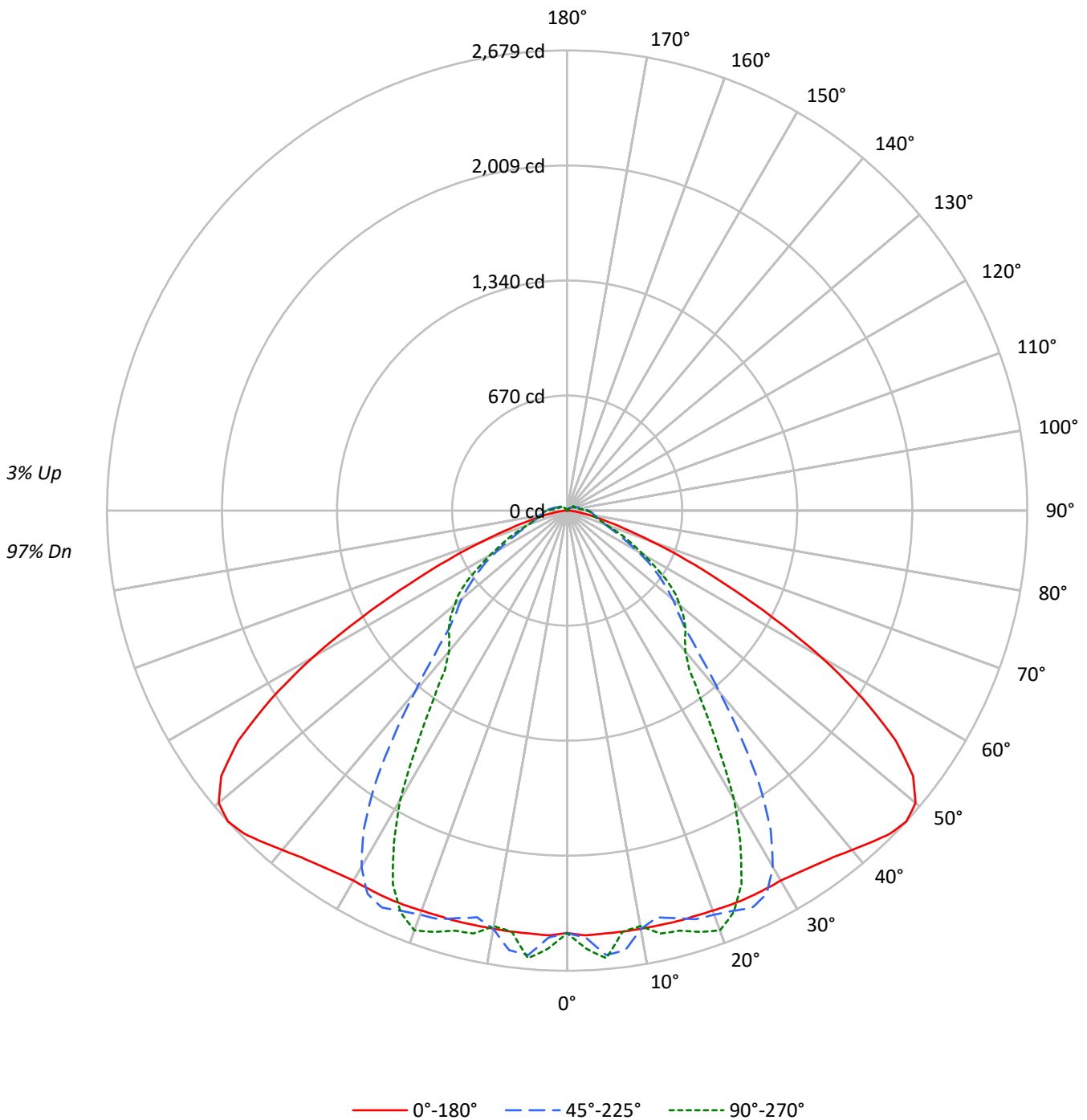
Input Watts (W): 42.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	65	60	56	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	39632	39632	39632
5°	39841	39470	38913
10°	40153	35799	34168
15°	40835	34223	33308
20°	41861	33852	32693
25°	43385	33751	29101
30°	45198	31248	22915
35°	48146	25372	15877
40°	52405	17921	12220
45°	58189	12745	11102
50°	63223	10707	9784
55°	61968	8793	8157
60°	51413	6655	6099
65°	35523	4815	4483
70°	22113	3661	3073
75°	12491	3122	2433
80°	7053	2920	2092
85°	3141	2828	2097



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.7	3.9
10°-20°	712.0	11.6
20°-30°	1131.4	18.5
30°-40°	1219.9	19.9
40°-50°	1051.5	17.2
50°-60°	796.0	13.0
60°-70°	430.0	7.0
70°-80°	204.3	3.3
80°-90°	128.2	2.1
90°-100°	81.6	1.3
100°-110°	52.2	0.9
110°-120°	35.0	0.6
120°-130°	23.1	0.4
130°-140°	11.3	0.2
140°-150°	4.8	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2085.2	34.0
0°-40°	3305.2	54.0
0°-60°	5152.7	84.1
0°-90°	5915.2	96.6
90°-120°	168.8	2.8
90°-150°	208.0	3.4
90°-180°	210.0	3.4
0°-180°	6125.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2460	2460	2460	2460	2460	
5°	2472	2525	2597	2632	2616	236
15°	2475	2541	2456	2541	2532	702
25°	2488	2441	2550	2482	2400	1151
35°	2519	2425	1955	1494	1372	1587
45°	2660	1667	971	962	974	2048
55°	2337	721	642	702	705	2033
65°	1015	307	326	367	370	1042
75°	232	160	188	188	185	273
85°	25	97	144	144	141	36
90°	0	75	125	122	113	1
95°	0	60	100	91	85	0
105°	0	38	69	63	56	0
115°	0	22	47	47	47	0
125°	0	12	31	41	38	0
135°	0	6	19	22	22	0
145°	0	3	9	12	9	0
155°	0	3	3	6	3	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2459.5	2459.5	2459.5	2459.5	2459.5
2.5°	2475.2	2478.3	2487.7	2534.7	2553.5
5°	2472.1	2525.3	2597.4	2631.9	2616.2
7.5°	2472.1	2581.7	2581.7	2515.9	2472.1
10°	2472.1	2613.1	2472.1	2459.5	2456.4
12.5°	2472.1	2594.3	2425.1	2512.8	2522.2
15°	2475.2	2541.0	2456.4	2541.0	2531.6
17.5°	2475.2	2478.3	2494.0	2559.8	2572.3
20°	2478.3	2437.6	2503.4	2609.9	2600.5
22.5°	2484.6	2431.3	2522.2	2588.0	2531.6
25°	2487.7	2440.7	2550.4	2481.5	2400.0
27.5°	2487.7	2453.3	2515.9	2318.5	2183.8
30°	2487.7	2459.5	2393.7	2092.9	1942.6
32.5°	2500.3	2453.3	2205.7	1798.4	1635.5
35°	2519.1	2425.1	1955.1	1494.5	1372.3
37.5°	2544.1	2349.9	1660.6	1250.1	1168.7
40°	2578.6	2186.9	1378.6	1093.5	1068.4
42.5°	2619.3	1948.8	1146.7	1015.1	1015.1
45°	2660.1	1666.8	971.3	961.9	974.4
47.5°	2678.8	1391.1	874.2	908.6	921.1
50°	2647.5	1134.2	802.1	849.1	855.4
52.5°	2537.9	905.5	720.6	777.0	792.7
55°	2337.3	720.6	642.3	701.8	705.0
57.5°	2046.0	573.4	560.8	607.8	604.7
60°	1710.7	463.7	470.0	517.0	517.0
62.5°	1350.4	376.0	394.8	435.5	432.4
65°	1015.1	307.0	325.8	366.6	369.7
67.5°	748.8	253.8	275.7	303.9	297.6
70°	523.2	213.1	235.0	250.7	244.4
72.5°	347.8	181.7	206.8	213.1	209.9
75°	231.9	159.8	188.0	188.0	184.9
77.5°	150.4	141.0	175.5	172.3	166.1
80°	94.0	125.3	162.9	156.7	150.4
82.5°	56.4	109.7	153.5	147.3	141.0
85°	25.1	97.1	144.1	144.1	141.0
87.5°	9.4	87.7	134.7	137.9	131.6
90°	0.0	75.2	125.3	122.2	112.8
92.5°	0.0	68.9	112.8	103.4	97.1
95°	0.0	59.5	100.3	90.9	84.6
97.5°	0.0	53.3	90.9	81.5	75.2
100°	0.0	47.0	81.5	72.1	65.8
102.5°	0.0	40.7	75.2	65.8	62.7
105°	0.0	37.6	68.9	62.7	56.4
107.5°	0.0	34.5	62.7	56.4	53.3
110°	0.0	28.2	56.4	53.3	50.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.1	50.1	50.1	50.1
115°	0.0	21.9	47.0	47.0	47.0
117.5°	0.0	18.8	40.7	47.0	47.0
120°	0.0	18.8	37.6	43.9	43.9
122.5°	0.0	15.7	34.5	43.9	43.9
125°	0.0	12.5	31.3	40.7	37.6
127.5°	0.0	9.4	28.2	34.5	34.5
130°	0.0	9.4	25.1	31.3	28.2
132.5°	0.0	6.3	21.9	25.1	25.1
135°	0.0	6.3	18.8	21.9	21.9
137.5°	0.0	6.3	15.7	18.8	15.7
140°	0.0	3.1	12.5	15.7	12.5
142.5°	0.0	3.1	12.5	15.7	12.5
145°	0.0	3.1	9.4	12.5	9.4
147.5°	0.0	3.1	6.3	9.4	9.4
150°	0.0	3.1	6.3	9.4	6.3
152.5°	0.0	3.1	6.3	6.3	3.1
155°	0.0	3.1	3.1	6.3	3.1
157.5°	0.0	3.1	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	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)