

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: P218422

Luminaire Tested: **4SNLED-LD5-23SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-23SL-RM-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2599.1 lumens  
Efficiency: N/A  
Efficacy: 162.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

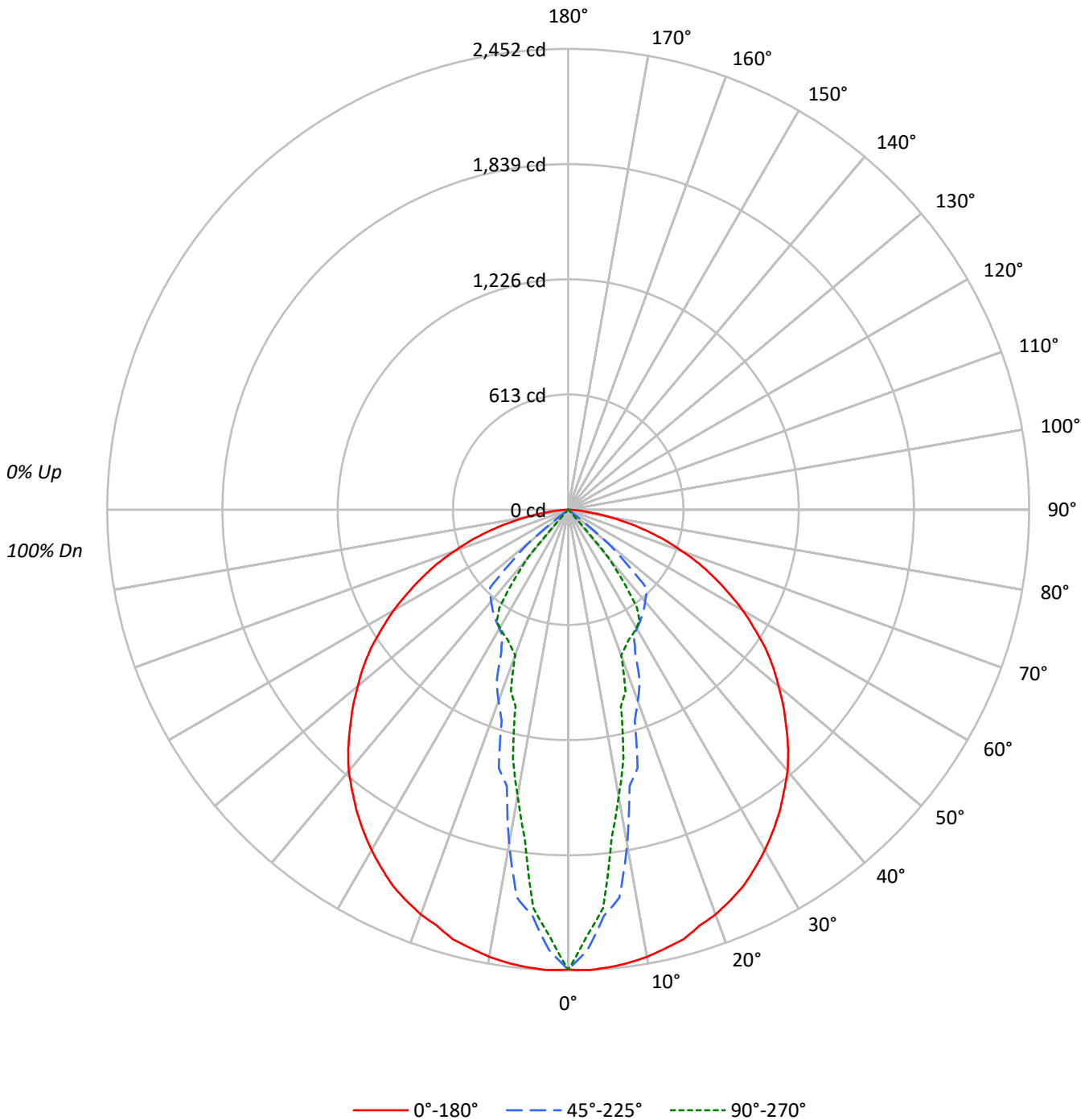
Input Watts (W): 16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36

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

	0°	45°	90°
0°	39432	39432	39432
5°	39398	32986	31652
10°	39237	26159	21526
15°	39045	19830	14246
20°	38703	14626	10361
25°	38493	11172	9246
30°	38001	9544	8550
35°	37455	8901	7384
40°	36890	8280	3707
45°	35888	7697	15
50°	34889	3656	0
55°	33904	120	0
60°	32242	89	0
65°	30068	37	0
70°	27185	20	0
75°	23141	22	17
80°	16589	23	18
85°	8023	26	19



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.0	7.8
10°-20°	435.4	16.8
20°-30°	519.4	20.0
30°-40°	552.6	21.3
40°-50°	403.8	15.5
50°-60°	257.9	9.9
60°-70°	155.3	6.0
70°-80°	60.5	2.3
80°-90°	12.3	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1156.7	44.5
0°-40°	1709.3	65.8
0°-60°	2371.0	91.2
0°-90°	2599.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2599.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2447	2447	2447	2447	2447	
5°	2445	2325	2171	2132	2128	232
15°	2367	2019	1423	1109	1083	667
25°	2207	1407	844	769	762	1016
35°	1960	930	686	686	638	1226
45°	1641	602	587	2	1	1267
55°	1279	475	9	1	0	1138
65°	859	194	2	1	0	850
75°	430	10	1	1	1	454
85°	64	1	1	1	1	89
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2447.1	2447.1	2447.1	2447.1	2447.1
2.5°	2452.1	2435.8	2345.3	2307.6	2271.2
5°	2444.6	2325.2	2170.7	2131.8	2128.0
7.5°	2433.3	2213.4	2082.8	1859.2	1765.0
10°	2415.7	2140.6	1806.4	1618.0	1547.6
12.5°	2390.6	2032.5	1506.2	1398.2	1356.7
15°	2366.7	2018.7	1423.3	1109.2	1082.8
17.5°	2321.5	1737.3	1175.8	1042.7	1012.5
20°	2291.3	1609.2	1081.6	904.5	824.1
22.5°	2251.1	1533.8	994.9	822.8	791.4
25°	2207.2	1407.0	844.2	768.8	762.5
27.5°	2150.6	1237.4	756.2	748.7	746.2
30°	2091.6	1050.2	731.1	728.6	724.8
32.5°	2027.5	976.1	708.5	708.5	704.7
35°	1959.7	929.6	685.9	685.9	638.2
37.5°	1886.8	870.6	663.3	663.3	479.9
40°	1815.2	746.2	636.9	442.2	324.1
42.5°	1732.3	644.4	614.3	309.0	2.5
45°	1640.6	601.7	586.6	2.5	1.3
47.5°	1553.9	571.6	399.5	1.3	0.0
50°	1461.0	538.9	273.9	1.3	0.0
52.5°	1373.0	508.8	12.6	1.3	0.0
55°	1278.8	474.8	8.8	1.3	0.0
57.5°	1172.0	442.2	7.5	1.3	0.0
60°	1072.8	407.0	6.3	1.3	0.0
62.5°	963.5	345.5	3.8	1.3	0.0
65°	859.2	193.5	2.5	1.3	0.0
67.5°	756.2	31.4	2.5	1.3	0.0
70°	643.2	21.4	1.3	1.3	0.0
72.5°	538.9	16.3	1.3	1.3	1.3
75°	429.6	10.0	1.3	1.3	1.3
77.5°	321.6	6.3	1.3	1.3	1.3
80°	221.1	3.8	1.3	1.3	1.3
82.5°	133.2	1.3	1.3	1.3	1.3
85°	64.1	1.3	1.3	1.3	1.3
87.5°	20.1	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)