

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: P218404

Luminaire Tested: **2SNLED-LD5-23SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218404  
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: 2SNLED-LD5-23SL-RM-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2332.0 lumens  
Efficiency: N/A  
Efficacy: 135.6 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

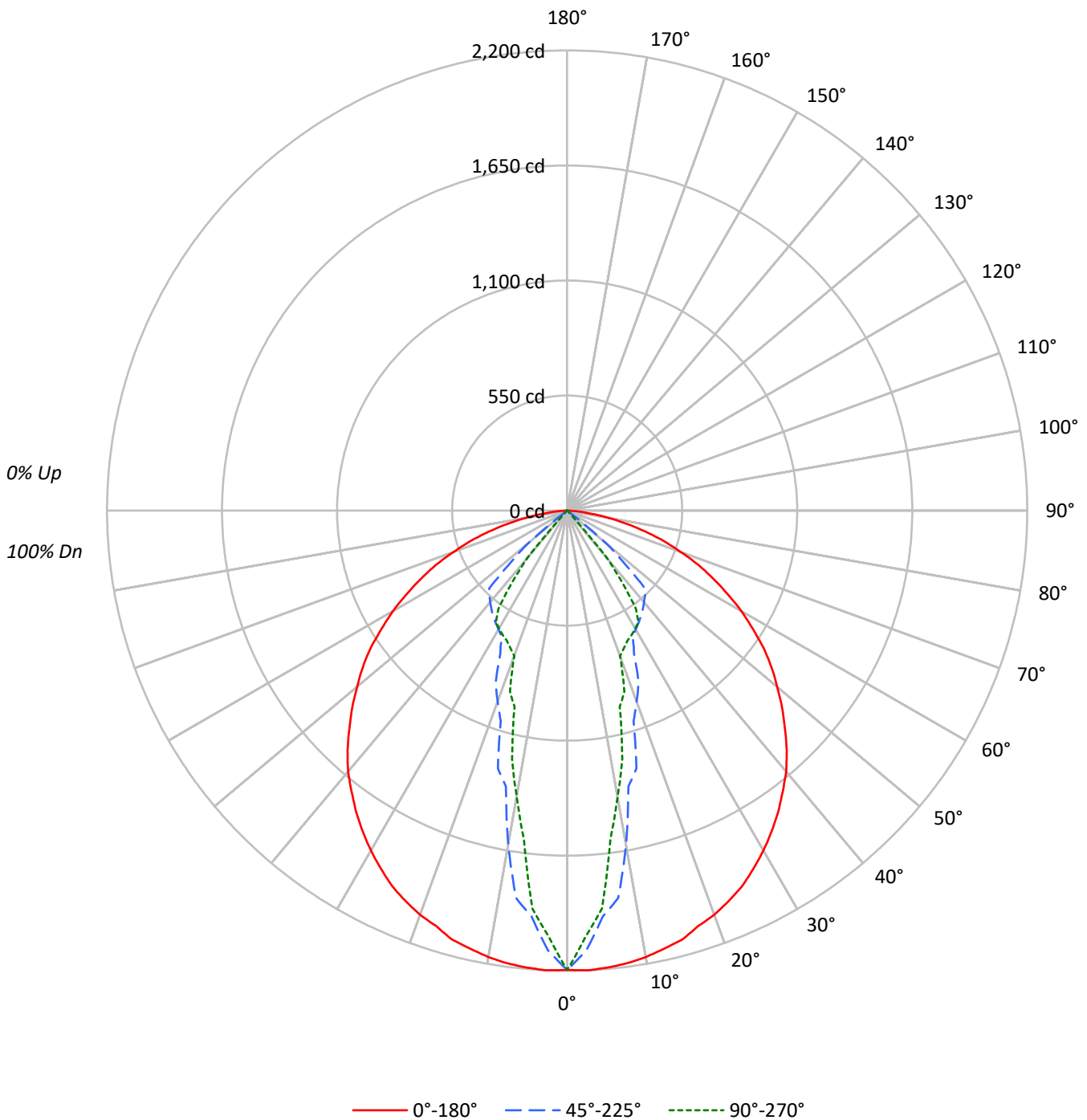
Input Watts (W): 17.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	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°	70761	70761	70761
5°	70443	59051	56800
10°	69901	46727	38632
15°	69302	35352	25566
20°	68429	26026	18591
25°	67782	19843	16592
30°	66625	16925	15344
35°	65358	15758	13250
40°	64033	14635	6652
45°	61922	13584	25
50°	59776	6439	0
55°	57600	212	0
60°	54205	155	0
65°	49865	66	0
70°	44231	33	0
75°	36597	35	29
80°	24988	38	31
85°	10879	42	33



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.2	7.8
10°-20°	390.6	16.8
20°-30°	466.0	20.0
30°-40°	495.8	21.3
40°-50°	362.3	15.5
50°-60°	231.4	9.9
60°-70°	139.3	6.0
70°-80°	54.3	2.3
80°-90°	11.0	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°	1037.8	44.5
0°-40°	1533.7	65.8
0°-60°	2127.4	91.2
0°-90°	2332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2332.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2196	2196	2196	2196	2196	
5°	2193	2086	1948	1913	1909	209
15°	2124	1811	1277	995	972	598
25°	1980	1262	757	690	684	911
35°	1758	834	615	615	573	1100
45°	1472	540	526	2	1	1137
55°	1147	426	8	1	0	1021
65°	771	174	2	1	0	763
75°	386	9	1	1	1	407
85°	58	1	1	1	1	80
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2195.7	2195.7	2195.7	2195.7	2195.7
2.5°	2200.2	2185.5	2104.4	2070.6	2037.9
5°	2193.4	2086.4	1947.7	1912.8	1909.4
7.5°	2183.3	1986.0	1868.8	1668.2	1583.7
10°	2167.5	1920.7	1620.8	1451.8	1388.7
12.5°	2145.0	1823.7	1351.5	1254.5	1217.3
15°	2123.6	1811.3	1277.1	995.3	971.6
17.5°	2083.0	1558.9	1055.0	935.5	908.5
20°	2055.9	1443.9	970.5	811.6	739.4
22.5°	2019.9	1376.3	892.7	738.3	710.1
25°	1980.4	1262.4	757.4	689.8	684.2
27.5°	1929.7	1110.2	678.5	671.8	669.5
30°	1876.7	942.3	656.0	653.7	650.4
32.5°	1819.2	875.8	635.7	635.7	632.3
35°	1758.4	834.1	615.4	615.4	572.6
37.5°	1693.0	781.1	595.1	595.1	430.6
40°	1628.7	669.5	571.5	396.8	290.8
42.5°	1554.3	578.2	551.2	277.3	2.3
45°	1472.1	539.9	526.4	2.3	1.1
47.5°	1394.3	512.9	358.4	1.1	0.0
50°	1310.9	483.5	245.7	1.1	0.0
52.5°	1232.0	456.5	11.3	1.1	0.0
55°	1147.4	426.1	7.9	1.1	0.0
57.5°	1051.6	396.8	6.8	1.1	0.0
60°	962.6	365.2	5.6	1.1	0.0
62.5°	864.5	310.0	3.4	1.1	0.0
65°	771.0	173.6	2.3	1.1	0.0
67.5°	678.5	28.2	2.3	1.1	0.0
70°	577.1	19.2	1.1	1.1	0.0
72.5°	483.5	14.7	1.1	1.1	1.1
75°	385.5	9.0	1.1	1.1	1.1
77.5°	288.6	5.6	1.1	1.1	1.1
80°	198.4	3.4	1.1	1.1	1.1
82.5°	119.5	1.1	1.1	1.1	1.1
85°	57.5	1.1	1.1	1.1	1.1
87.5°	18.0	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)