

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: P218420

Luminaire Tested: **4SNLED-LD5-23SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218420  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2355.9 lumens  
Efficiency: N/A  
Efficacy: 147.2 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

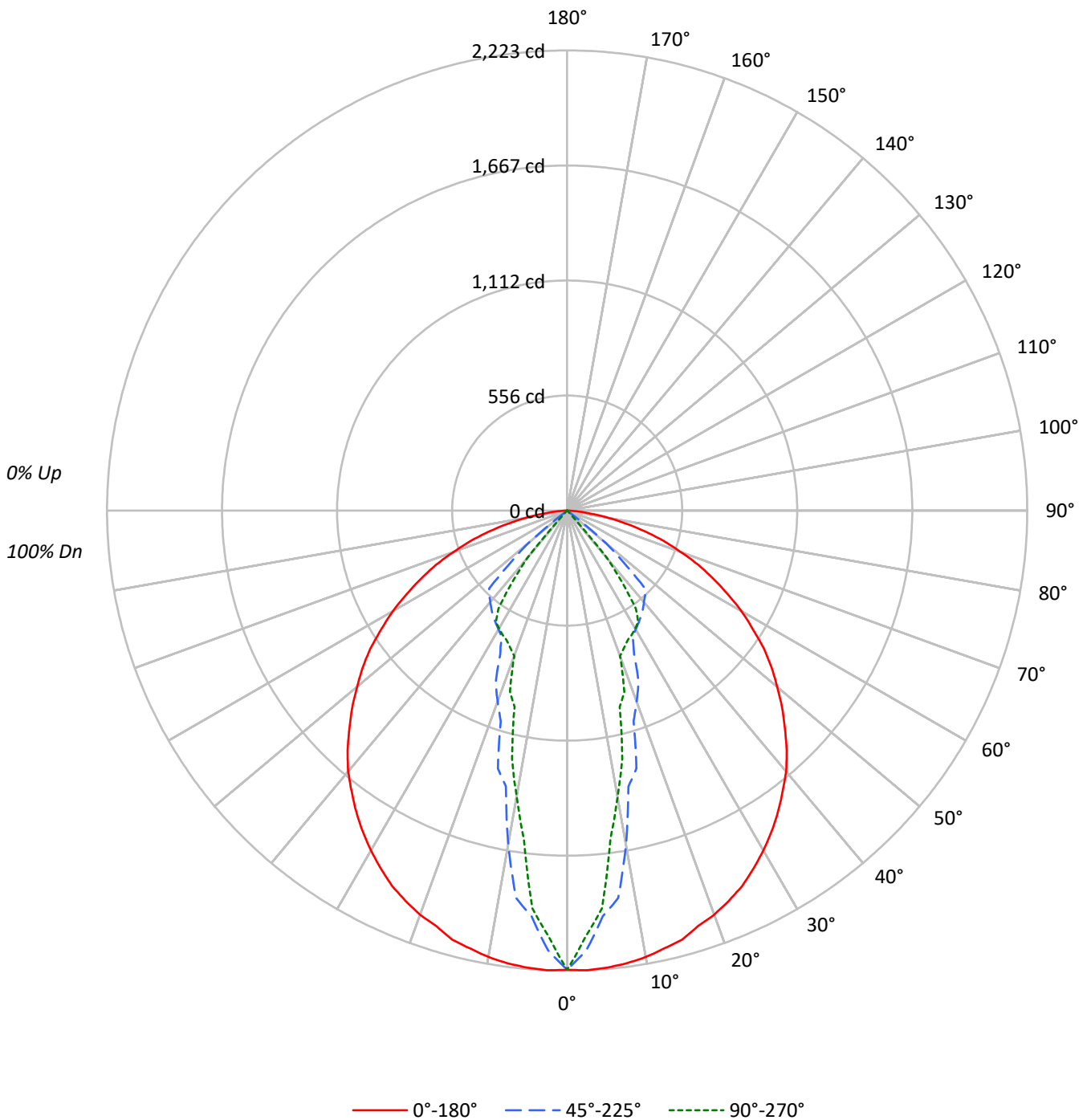
Input Watts (W): 16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	45	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°	35745	35745	35745
5°	35714	29902	28692
10°	35568	23713	19514
15°	35394	17975	12915
20°	35085	13259	9391
25°	34894	10126	8381
30°	34447	8653	7751
35°	33953	8069	6693
40°	33441	7505	3360
45°	32532	6978	13
50°	31627	3313	0
55°	30736	110	0
60°	29228	81	0
65°	27258	34	0
70°	24641	17	0
75°	20981	18	14
80°	15036	20	15
85°	7272	22	16



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.1	7.8
10°-20°	394.6	16.8
20°-30°	470.8	20.0
30°-40°	501.0	21.3
40°-50°	366.0	15.5
50°-60°	233.8	9.9
60°-70°	140.7	6.0
70°-80°	54.8	2.3
80°-90°	11.1	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°	1048.5	44.5
0°-40°	1549.5	65.8
0°-60°	2149.3	91.2
0°-90°	2355.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2355.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2218	2218	2218	2218	2218	
5°	2216	2108	1968	1932	1929	211
15°	2145	1830	1290	1006	982	604
25°	2001	1275	765	697	691	921
35°	1776	843	622	622	578	1111
45°	1487	546	532	2	1	1149
55°	1159	430	8	1	0	1032
65°	779	175	2	1	0	771
75°	390	9	1	1	1	411
85°	58	1	1	1	1	81
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2218.3	2218.3	2218.3	2218.3	2218.3
2.5°	2222.8	2208.0	2126.1	2091.9	2058.9
5°	2216.0	2107.8	1967.8	1932.5	1929.0
7.5°	2205.8	2006.5	1888.1	1685.4	1599.9
10°	2189.8	1940.4	1637.5	1466.7	1402.9
12.5°	2167.0	1842.5	1365.4	1267.4	1229.9
15°	2145.4	1830.0	1290.2	1005.5	981.6
17.5°	2104.4	1574.9	1065.9	945.2	917.8
20°	2077.1	1458.7	980.5	819.9	747.0
22.5°	2040.6	1390.4	901.9	745.9	717.4
25°	2000.8	1275.4	765.2	696.9	691.2
27.5°	1949.5	1121.7	685.5	678.7	676.4
30°	1896.0	952.0	662.8	660.5	657.1
32.5°	1837.9	884.8	642.3	642.3	638.8
35°	1776.5	842.7	621.8	621.8	578.5
37.5°	1710.4	789.2	601.3	601.3	435.0
40°	1645.5	676.4	577.3	400.8	293.8
42.5°	1570.3	584.2	556.9	280.1	2.3
45°	1487.2	545.5	531.8	2.3	1.1
47.5°	1408.6	518.1	362.1	1.1	0.0
50°	1324.4	488.5	248.2	1.1	0.0
52.5°	1244.7	461.2	11.4	1.1	0.0
55°	1159.3	430.4	8.0	1.1	0.0
57.5°	1062.5	400.8	6.8	1.1	0.0
60°	972.5	369.0	5.7	1.1	0.0
62.5°	873.4	313.2	3.4	1.1	0.0
65°	778.9	175.4	2.3	1.1	0.0
67.5°	685.5	28.5	2.3	1.1	0.0
70°	583.0	19.4	1.1	1.1	0.0
72.5°	488.5	14.8	1.1	1.1	1.1
75°	389.5	9.1	1.1	1.1	1.1
77.5°	291.5	5.7	1.1	1.1	1.1
80°	200.4	3.4	1.1	1.1	1.1
82.5°	120.7	1.1	1.1	1.1	1.1
85°	58.1	1.1	1.1	1.1	1.1
87.5°	18.2	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)