

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: P218406

Luminaire Tested: **2SNLED-LD5-23SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218406  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2572.9 lumens  
Efficiency: N/A  
Efficacy: 149.6 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

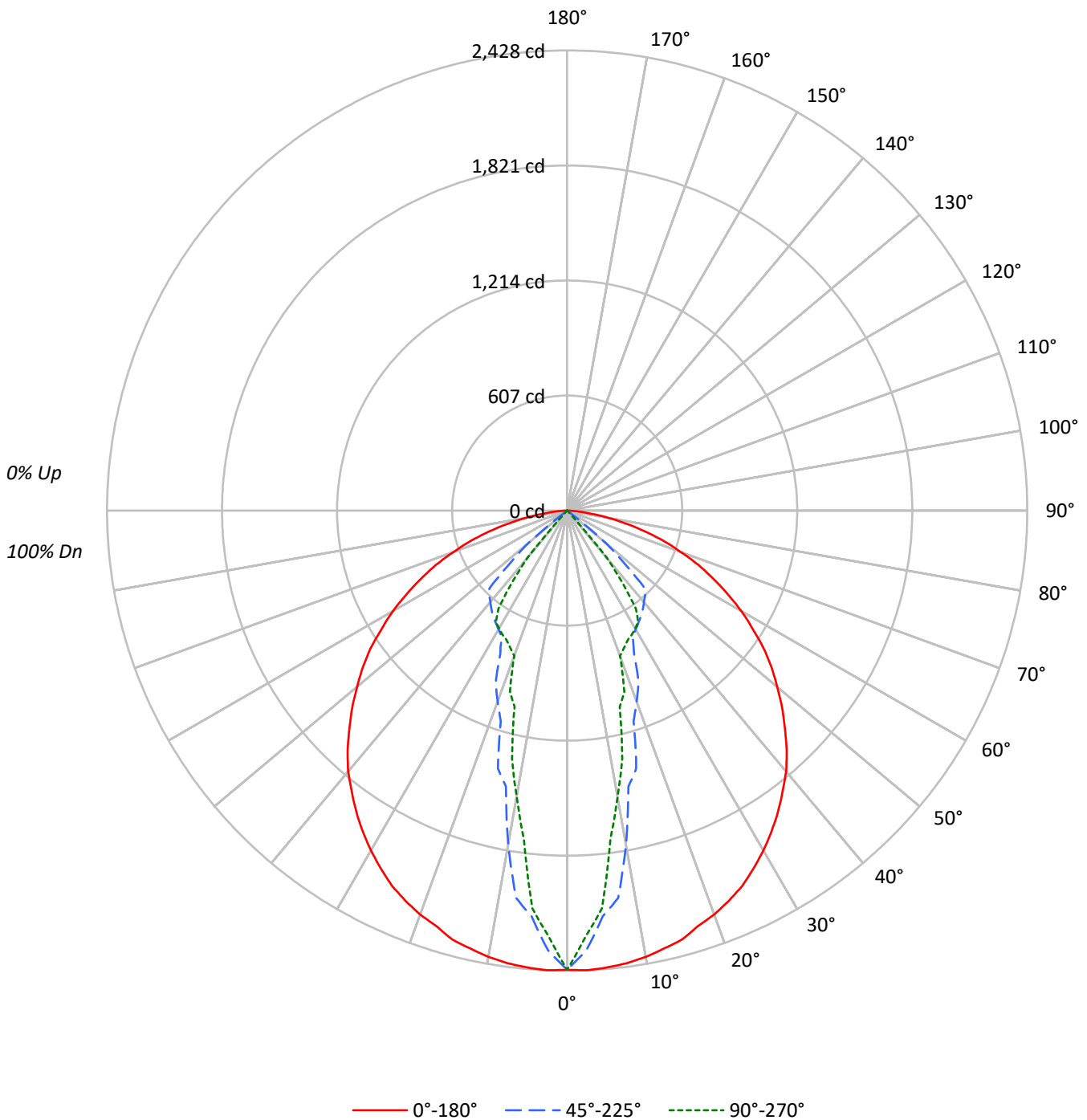
Input Watts (W): 17.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	93	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

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

	0°	45°	90°
0°	78074	78074	78074
5°	77723	65154	62670
10°	77125	51559	42625
15°	76461	39003	28208
20°	75501	28716	20512
25°	74788	21894	18307
30°	73513	18674	16930
35°	72112	17386	14620
40°	70653	16145	7341
45°	68320	14988	27
50°	65955	7105	0
55°	63553	233	0
60°	59807	172	0
65°	55013	72	0
70°	48799	36	0
75°	40375	39	32
80°	27570	42	33
85°	11995	45	36



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.9	7.8
10°-20°	431.0	16.8
20°-30°	514.2	20.0
30°-40°	547.1	21.3
40°-50°	399.7	15.5
50°-60°	255.3	9.9
60°-70°	153.7	6.0
70°-80°	59.9	2.3
80°-90°	12.1	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°	1145.1	44.5
0°-40°	1692.2	65.8
0°-60°	2347.2	91.2
0°-90°	2572.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2572.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2423	2423	2423	2423	2423	
5°	2420	2302	2149	2110	2107	230
15°	2343	1998	1409	1098	1072	660
25°	2185	1393	836	761	755	1005
35°	1940	920	679	679	632	1214
45°	1624	596	581	2	1	1255
55°	1266	470	9	1	0	1127
65°	851	192	2	1	0	842
75°	425	10	1	1	1	449
85°	63	1	1	1	1	88
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2422.6	2422.6	2422.6	2422.6	2422.6
2.5°	2427.6	2411.4	2321.9	2284.6	2248.5
5°	2420.1	2302.0	2149.0	2110.5	2106.7
7.5°	2408.9	2191.3	2062.0	1840.6	1747.3
10°	2391.5	2119.2	1788.4	1601.8	1532.2
12.5°	2366.6	2012.2	1491.1	1384.2	1343.1
15°	2343.0	1998.5	1409.0	1098.1	1072.0
17.5°	2298.2	1720.0	1164.0	1032.2	1002.4
20°	2268.4	1593.1	1070.8	895.4	815.8
22.5°	2228.6	1518.5	985.0	814.6	783.5
25°	2185.1	1392.9	835.7	761.1	754.9
27.5°	2129.1	1225.0	748.7	741.2	738.7
30°	2070.7	1039.7	723.8	721.3	717.6
32.5°	2007.2	966.3	701.4	701.4	697.7
35°	1940.1	920.3	679.0	679.0	631.8
37.5°	1867.9	861.8	656.6	656.6	475.1
40°	1797.1	738.7	630.5	437.8	320.9
42.5°	1715.0	638.0	608.1	305.9	2.5
45°	1624.2	595.7	580.8	2.5	1.2
47.5°	1538.4	565.9	395.5	1.2	0.0
50°	1446.4	533.5	271.1	1.2	0.0
52.5°	1359.3	503.7	12.4	1.2	0.0
55°	1266.0	470.1	8.7	1.2	0.0
57.5°	1160.3	437.8	7.5	1.2	0.0
60°	1062.1	402.9	6.2	1.2	0.0
62.5°	953.9	342.0	3.7	1.2	0.0
65°	850.6	191.5	2.5	1.2	0.0
67.5°	748.7	31.1	2.5	1.2	0.0
70°	636.7	21.1	1.2	1.2	0.0
72.5°	533.5	16.2	1.2	1.2	1.2
75°	425.3	9.9	1.2	1.2	1.2
77.5°	318.4	6.2	1.2	1.2	1.2
80°	218.9	3.7	1.2	1.2	1.2
82.5°	131.8	1.2	1.2	1.2	1.2
85°	63.4	1.2	1.2	1.2	1.2
87.5°	19.9	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)