

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: P218419

Luminaire Tested: **4SNLED-LD5-23SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218419  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2218.0 lumens  
Efficiency: N/A  
Efficacy: 138.6 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

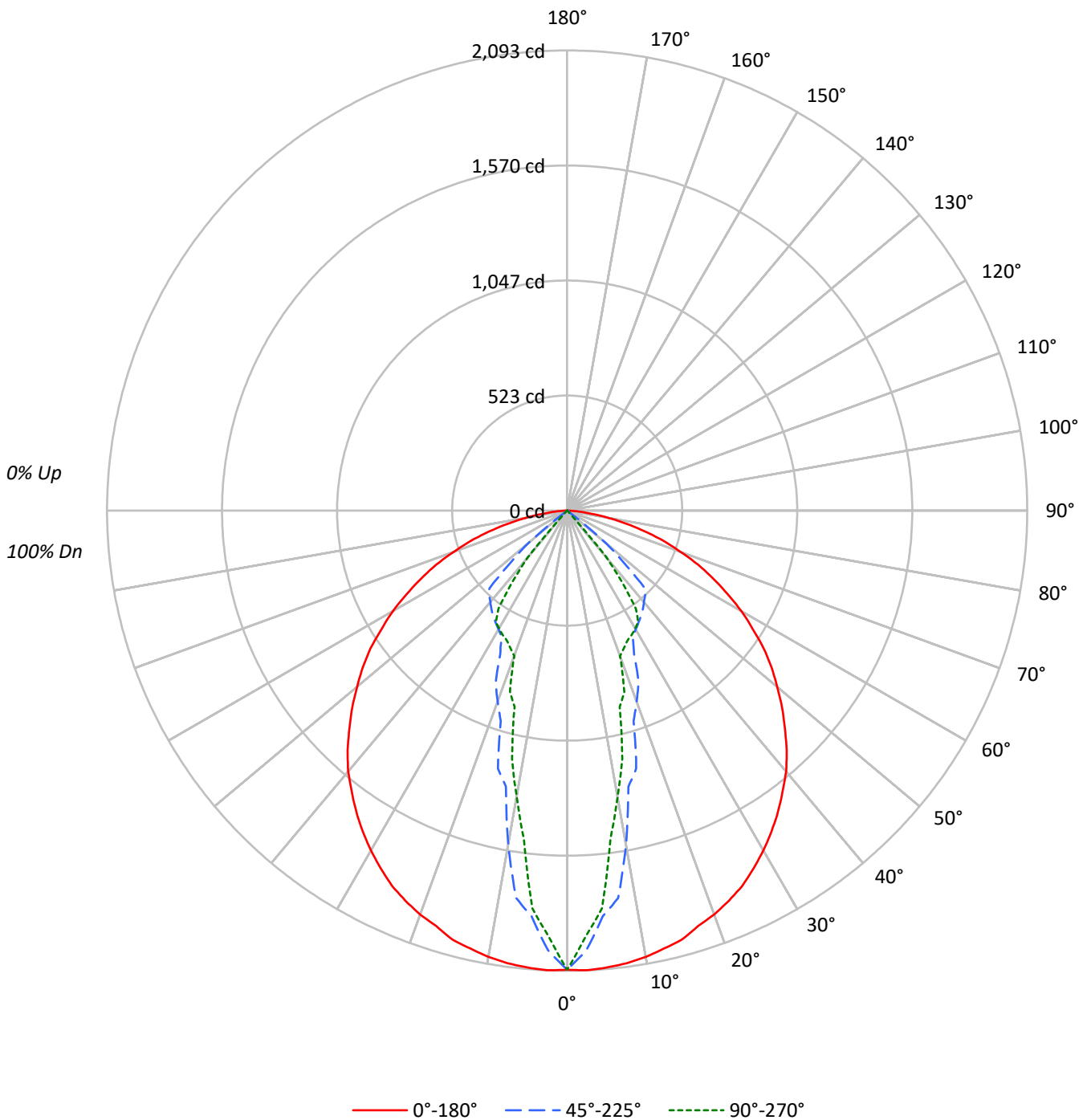
Input Watts (W): 16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	92	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	44	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°	33652	33652	33652
5°	33622	28150	27012
10°	33486	22324	18372
15°	33320	16922	12158
20°	33029	12481	8842
25°	32850	9534	7890
30°	32431	8145	7297
35°	31964	7596	6301
40°	31482	7065	3164
45°	30627	6569	13
50°	29774	3120	0
55°	28933	103	0
60°	27514	76	0
65°	25662	31	0
70°	23199	17	0
75°	19747	18	14
80°	14158	20	15
85°	6846	22	16



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.4	7.8
10°-20°	371.5	16.8
20°-30°	443.2	20.0
30°-40°	471.6	21.3
40°-50°	344.6	15.5
50°-60°	220.1	9.9
60°-70°	132.5	6.0
70°-80°	51.7	2.3
80°-90°	10.5	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°	987.1	44.5
0°-40°	1458.7	65.8
0°-60°	2023.4	91.2
0°-90°	2218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2218.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2088	2088	2088	2088	2088	
5°	2086	1984	1852	1819	1816	198
15°	2020	1723	1215	947	924	569
25°	1884	1201	720	656	651	867
35°	1672	793	585	585	545	1046
45°	1400	514	501	2	1	1082
55°	1091	405	8	1	0	972
65°	733	165	2	1	0	726
75°	367	9	1	1	1	387
85°	55	1	1	1	1	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2088.4	2088.4	2088.4	2088.4	2088.4
2.5°	2092.6	2078.7	2001.5	1969.4	1938.3
5°	2086.2	1984.4	1852.5	1819.3	1816.1
7.5°	2076.6	1889.0	1777.5	1586.6	1506.2
10°	2061.6	1826.8	1541.6	1380.8	1320.8
12.5°	2040.1	1734.6	1285.4	1193.2	1157.8
15°	2019.7	1722.8	1214.6	946.6	924.1
17.5°	1981.2	1482.6	1003.4	889.8	864.1
20°	1955.4	1373.3	923.0	771.9	703.3
22.5°	1921.1	1309.0	849.1	702.2	675.4
25°	1883.6	1200.7	720.4	656.1	650.7
27.5°	1835.4	1056.0	645.4	638.9	636.8
30°	1785.0	896.2	623.9	621.8	618.6
32.5°	1730.3	833.0	604.6	604.6	601.4
35°	1672.4	793.3	585.3	585.3	544.6
37.5°	1610.2	742.9	566.0	566.0	409.5
40°	1549.1	636.8	543.5	377.4	276.6
42.5°	1478.4	550.0	524.2	263.7	2.1
45°	1400.1	513.5	500.6	2.1	1.1
47.5°	1326.1	487.8	340.9	1.1	0.0
50°	1246.8	459.9	233.7	1.1	0.0
52.5°	1171.8	434.2	10.7	1.1	0.0
55°	1091.3	405.2	7.5	1.1	0.0
57.5°	1000.2	377.4	6.4	1.1	0.0
60°	915.5	347.3	5.4	1.1	0.0
62.5°	822.3	294.8	3.2	1.1	0.0
65°	733.3	165.1	2.1	1.1	0.0
67.5°	645.4	26.8	2.1	1.1	0.0
70°	548.9	18.2	1.1	1.1	0.0
72.5°	459.9	13.9	1.1	1.1	1.1
75°	366.6	8.6	1.1	1.1	1.1
77.5°	274.4	5.4	1.1	1.1	1.1
80°	188.7	3.2	1.1	1.1	1.1
82.5°	113.6	1.1	1.1	1.1	1.1
85°	54.7	1.1	1.1	1.1	1.1
87.5°	17.2	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)