

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: P218405

Luminaire Tested: **2SNLED-LD5-23SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218405
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2377.9 lumens
Efficiency: N/A
Efficacy: 138.2 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

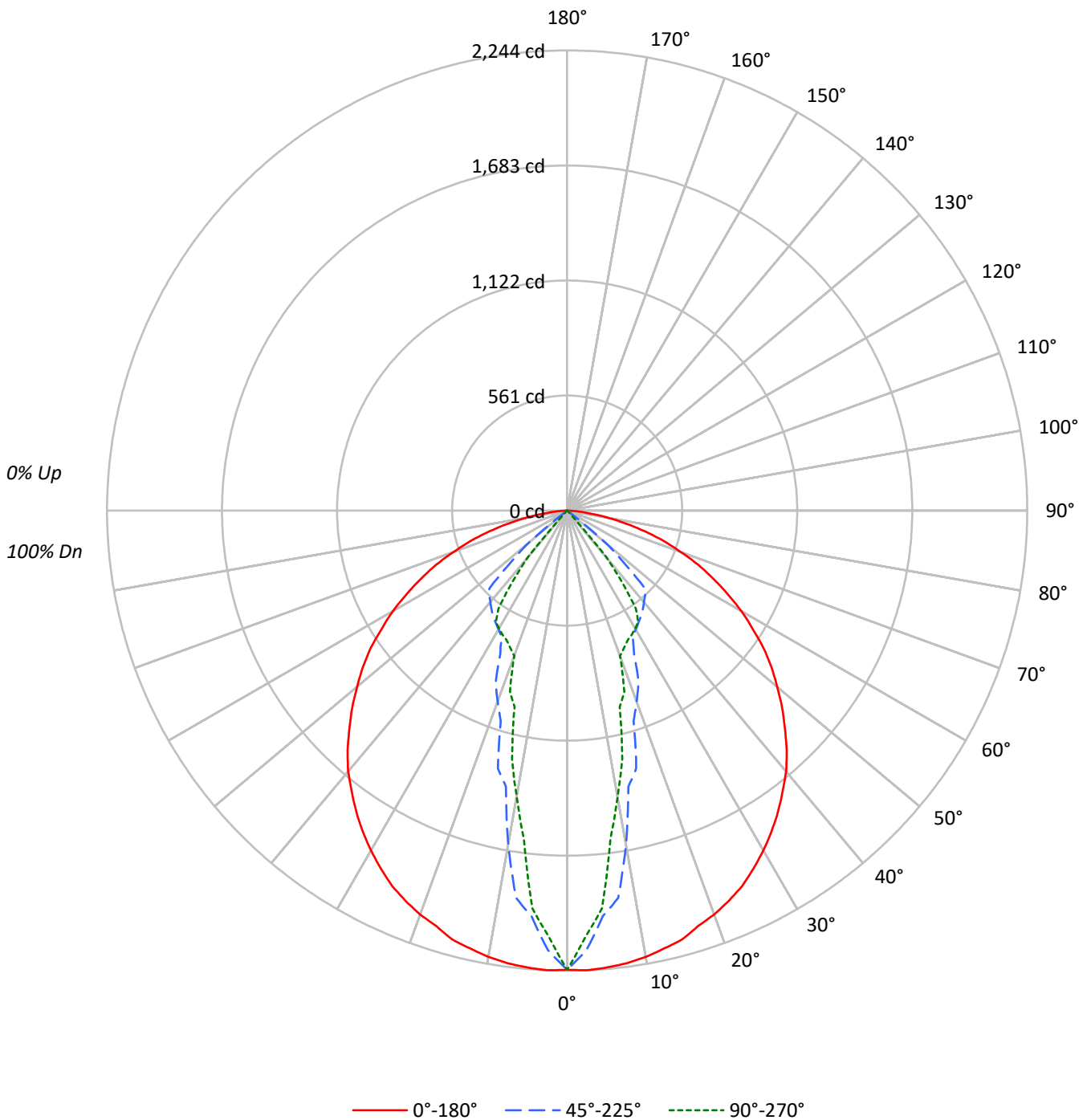
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
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°	72157	72157	72157
5°	71833	60215	57922
10°	71281	47650	39392
15°	70666	36050	26071
20°	69780	26538	18959
25°	69120	20236	16920
30°	67939	17258	15646
35°	66644	16070	13511
40°	65299	14921	6782
45°	63142	13852	25
50°	60952	6568	0
55°	58739	215	0
60°	55274	158	0
65°	50848	66	0
70°	45105	33	0
75°	37318	35	29
80°	25479	38	31
85°	11087	42	33



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	7.8
10°-20°	398.3	16.8
20°-30°	475.2	20.0
30°-40°	505.6	21.3
40°-50°	369.4	15.5
50°-60°	235.9	9.9
60°-70°	142.0	6.0
70°-80°	55.3	2.3
80°-90°	11.2	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°	1058.3	44.5
0°-40°	1564.0	65.8
0°-60°	2169.3	91.2
0°-90°	2377.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2377.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2239	2239	2239	2239	2239	
5°	2237	2128	1986	1950	1947	213
15°	2165	1847	1302	1015	991	610
25°	2020	1287	772	703	698	929
35°	1793	850	628	628	584	1122
45°	1501	551	537	2	1	1160
55°	1170	434	8	1	0	1042
65°	786	177	2	1	0	778
75°	393	9	1	1	1	415
85°	59	1	1	1	1	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2239.0	2239.0	2239.0	2239.0	2239.0
2.5°	2243.6	2228.7	2145.9	2111.4	2078.1
5°	2236.7	2127.5	1986.1	1950.5	1947.1
7.5°	2226.4	2025.2	1905.7	1701.1	1614.9
10°	2210.3	1958.6	1652.8	1480.4	1416.0
12.5°	2187.3	1859.7	1378.1	1279.3	1241.3
15°	2165.4	1847.1	1302.3	1014.9	990.8
17.5°	2124.1	1589.6	1075.8	954.0	926.4
20°	2096.5	1472.4	989.6	827.6	754.0
22.5°	2059.7	1403.4	910.3	752.8	724.1
25°	2019.5	1287.3	772.4	703.4	697.7
27.5°	1967.8	1132.1	691.9	685.0	682.7
30°	1913.7	960.9	668.9	666.6	663.2
32.5°	1855.1	893.1	648.3	648.3	644.8
35°	1793.0	850.5	627.6	627.6	583.9
37.5°	1726.4	796.5	606.9	606.9	439.1
40°	1660.9	682.7	582.7	404.6	296.5
42.5°	1585.0	589.6	562.1	282.7	2.3
45°	1501.1	550.6	536.8	2.3	1.1
47.5°	1421.8	523.0	365.5	1.1	0.0
50°	1336.7	493.1	250.6	1.1	0.0
52.5°	1256.3	465.5	11.5	1.1	0.0
55°	1170.1	434.5	8.0	1.1	0.0
57.5°	1072.4	404.6	6.9	1.1	0.0
60°	981.6	372.4	5.7	1.1	0.0
62.5°	881.6	316.1	3.4	1.1	0.0
65°	786.2	177.0	2.3	1.1	0.0
67.5°	691.9	28.7	2.3	1.1	0.0
70°	588.5	19.5	1.1	1.1	0.0
72.5°	493.1	14.9	1.1	1.1	1.1
75°	393.1	9.2	1.1	1.1	1.1
77.5°	294.2	5.7	1.1	1.1	1.1
80°	202.3	3.4	1.1	1.1	1.1
82.5°	121.8	1.1	1.1	1.1	1.1
85°	58.6	1.1	1.1	1.1	1.1
87.5°	18.4	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)