

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: P218421

Luminaire Tested: **4SNLED-LD5-23SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218421
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2403.1 lumens
Efficiency: N/A
Efficacy: 150.2 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

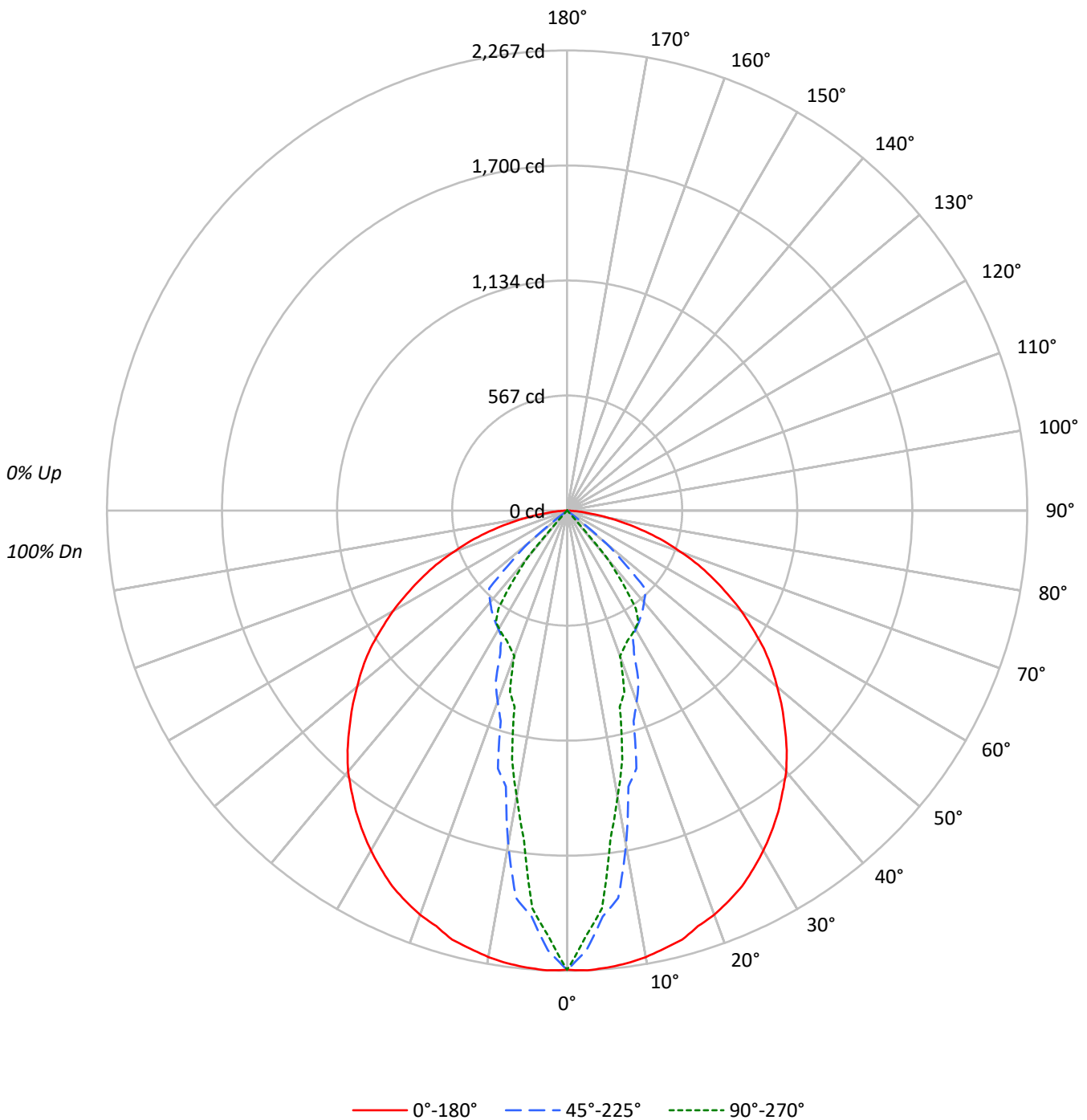
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	36457	36457	36457
5°	36426	30498	29264
10°	36278	24187	19903
15°	36100	18333	13173
20°	35784	13522	9579
25°	35590	10329	8548
30°	35134	8825	7906
35°	34630	8230	6826
40°	34108	7656	3428
45°	33182	7117	14
50°	32257	3380	0
55°	31348	111	0
60°	29811	82	0
65°	27800	34	0
70°	25135	19	0
75°	21395	20	16
80°	15336	22	17
85°	7409	24	18



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.7	7.8
10°-20°	402.5	16.8
20°-30°	480.2	20.0
30°-40°	511.0	21.3
40°-50°	373.3	15.5
50°-60°	238.4	9.9
60°-70°	143.6	6.0
70°-80°	56.0	2.3
80°-90°	11.4	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°	1069.4	44.5
0°-40°	1580.4	65.8
0°-60°	2192.2	91.2
0°-90°	2403.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2403.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2262	2262	2262	2262	2262	
5°	2260	2150	2007	1971	1968	215
15°	2188	1866	1316	1026	1001	616
25°	2041	1301	780	711	705	939
35°	1812	860	634	634	590	1133
45°	1517	556	542	2	1	1172
55°	1182	439	8	1	0	1053
65°	794	179	2	1	0	786
75°	397	9	1	1	1	420
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°	2262.5	2262.5	2262.5	2262.5	2262.5
2.5°	2267.2	2252.1	2168.5	2133.6	2099.9
5°	2260.2	2149.9	2007.0	1971.0	1967.5
7.5°	2249.8	2046.5	1925.7	1719.0	1631.9
10°	2233.5	1979.1	1670.2	1496.0	1430.9
12.5°	2210.3	1879.3	1392.6	1292.7	1254.4
15°	2188.2	1866.5	1315.9	1025.6	1001.2
17.5°	2146.4	1606.3	1087.1	964.0	936.1
20°	2118.5	1487.8	1000.0	836.3	761.9
22.5°	2081.4	1418.2	919.9	760.8	731.7
25°	2040.7	1300.8	780.5	710.8	705.0
27.5°	1988.4	1144.0	699.2	692.2	689.9
30°	1933.8	971.0	676.0	673.7	670.2
32.5°	1874.6	902.5	655.1	655.1	651.6
35°	1811.9	859.5	634.2	634.2	590.0
37.5°	1744.5	804.9	613.3	613.3	443.7
40°	1678.3	689.9	588.9	408.8	299.7
42.5°	1601.7	595.8	568.0	285.7	2.3
45°	1516.9	556.3	542.4	2.3	1.2
47.5°	1436.7	528.5	369.3	1.2	0.0
50°	1350.8	498.3	253.2	1.2	0.0
52.5°	1269.5	470.4	11.6	1.2	0.0
55°	1182.4	439.0	8.1	1.2	0.0
57.5°	1083.7	408.8	7.0	1.2	0.0
60°	991.9	376.3	5.8	1.2	0.0
62.5°	890.8	319.4	3.5	1.2	0.0
65°	794.4	178.9	2.3	1.2	0.0
67.5°	699.2	29.0	2.3	1.2	0.0
70°	594.7	19.7	1.2	1.2	0.0
72.5°	498.3	15.1	1.2	1.2	1.2
75°	397.2	9.3	1.2	1.2	1.2
77.5°	297.3	5.8	1.2	1.2	1.2
80°	204.4	3.5	1.2	1.2	1.2
82.5°	123.1	1.2	1.2	1.2	1.2
85°	59.2	1.2	1.2	1.2	1.2
87.5°	18.6	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)