

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: P218452

Luminaire Tested: **4SNLED-LD5-50SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218452
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-LD5-50SL-RM-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5082.1 lumens
Efficiency: N/A
Efficacy: 131.3 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

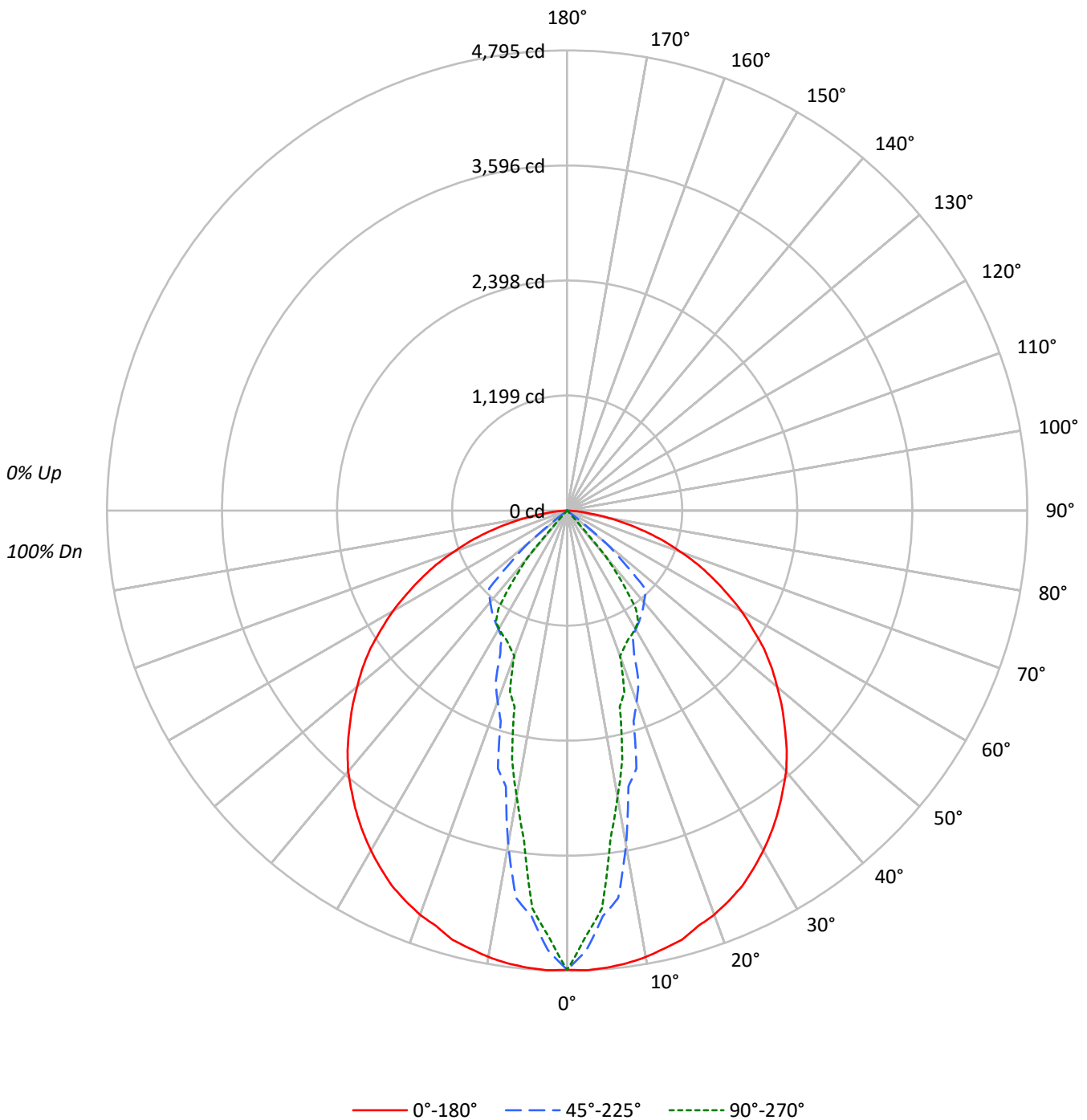
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	77104	77104	77104
5°	77036	64500	61890
10°	76722	51151	42093
15°	76347	38773	27858
20°	75679	28598	20258
25°	75267	21845	18079
30°	74306	18663	16718
35°	73237	17405	14437
40°	72134	16190	7248
45°	70175	15052	28
50°	68219	7149	0
55°	66297	235	0
60°	63044	174	0
65°	58795	72	0
70°	53153	39	0
75°	45252	42	33
80°	32435	45	35
85°	15682	49	37



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.9	7.8
10°-20°	851.3	16.8
20°-30°	1015.6	20.0
30°-40°	1080.6	21.3
40°-50°	789.5	15.5
50°-60°	504.3	9.9
60°-70°	303.6	6.0
70°-80°	118.4	2.3
80°-90°	24.0	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°	2261.7	44.5
0°-40°	3342.3	65.8
0°-60°	4636.1	91.2
0°-90°	5082.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5082.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4785	4785	4785	4785	4785	
5°	4780	4547	4245	4168	4161	455
15°	4628	3947	2783	2169	2117	1303
25°	4316	2751	1651	1503	1491	1986
35°	3832	1818	1341	1341	1248	2397
45°	3208	1177	1147	5	2	2478
55°	2501	928	17	2	0	2226
65°	1680	378	5	2	0	1662
75°	840	20	2	2	2	887
85°	125	2	2	2	2	174
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4785.0	4785.0	4785.0	4785.0	4785.0
2.5°	4794.8	4762.8	4586.0	4512.3	4441.1
5°	4780.0	4546.7	4244.6	4168.4	4161.0
7.5°	4757.9	4328.1	4072.6	3635.4	3451.2
10°	4723.5	4185.6	3532.2	3163.8	3026.2
12.5°	4674.4	3974.4	2945.2	2733.9	2652.9
15°	4627.8	3947.3	2783.0	2169.0	2117.4
17.5°	4539.3	3397.1	2299.1	2038.8	1979.8
20°	4480.4	3146.6	2114.9	1768.6	1611.4
22.5°	4401.8	2999.2	1945.4	1608.9	1547.5
25°	4315.8	2751.1	1650.7	1503.3	1491.0
27.5°	4205.3	2419.5	1478.7	1464.0	1459.1
30°	4089.8	2053.5	1429.6	1424.7	1417.3
32.5°	3964.5	1908.6	1385.4	1385.4	1378.0
35°	3831.9	1817.7	1341.2	1341.2	1247.8
37.5°	3689.4	1702.2	1296.9	1296.9	938.3
40°	3549.4	1459.1	1245.4	864.6	633.7
42.5°	3387.3	1260.1	1201.2	604.3	4.9
45°	3208.0	1176.6	1147.1	4.9	2.5
47.5°	3038.5	1117.6	781.1	2.5	0.0
50°	2856.7	1053.8	535.5	2.5	0.0
52.5°	2684.8	994.8	24.6	2.5	0.0
55°	2500.6	928.5	17.2	2.5	0.0
57.5°	2291.8	864.6	14.7	2.5	0.0
60°	2097.7	795.9	12.3	2.5	0.0
62.5°	1884.0	675.5	7.4	2.5	0.0
65°	1680.1	378.3	4.9	2.5	0.0
67.5°	1478.7	61.4	4.9	2.5	0.0
70°	1257.6	41.8	2.5	2.5	0.0
72.5°	1053.8	31.9	2.5	2.5	2.5
75°	840.1	19.7	2.5	2.5	2.5
77.5°	628.8	12.3	2.5	2.5	2.5
80°	432.3	7.4	2.5	2.5	2.5
82.5°	260.4	2.5	2.5	2.5	2.5
85°	125.3	2.5	2.5	2.5	2.5
87.5°	39.3	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)