

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: P218453

Luminaire Tested: **4SNLED-LD5-50SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218453  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5183.0 lumens  
Efficiency: N/A  
Efficacy: 133.9 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

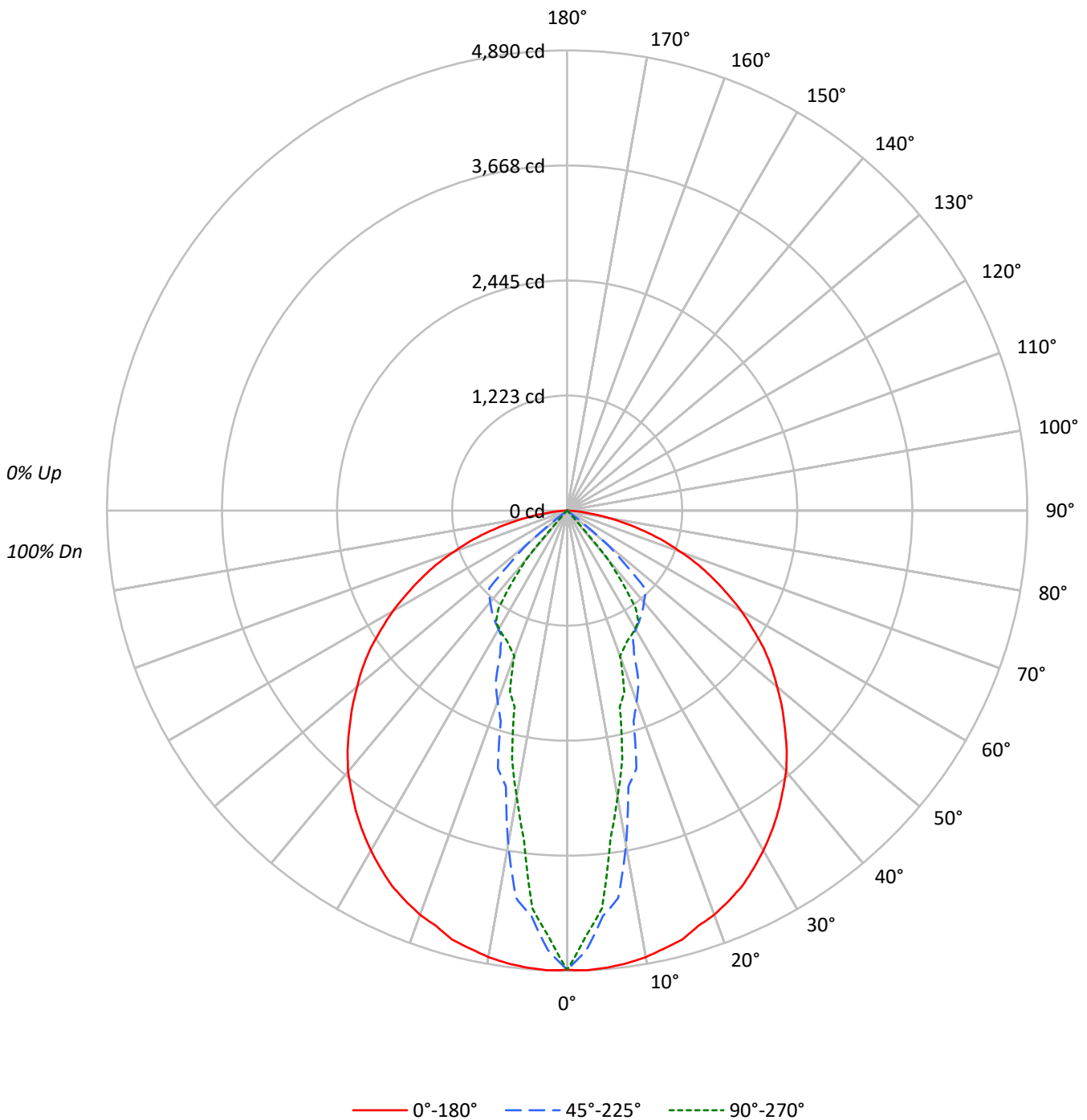
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	78636	78636	78636
5°	78567	65781	63120
10°	78247	52167	42931
15°	77863	39544	28411
20°	77182	29166	20661
25°	76764	22279	18438
30°	75783	19033	17051
35°	74693	17751	14724
40°	73569	16511	7392
45°	71568	15351	28
50°	69575	7290	0
55°	67615	240	0
60°	64298	177	0
65°	59964	74	0
70°	54209	39	0
75°	46152	42	33
80°	33081	45	35
85°	15995	49	37



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.7	7.8
10°-20°	868.2	16.8
20°-30°	1035.7	20.0
30°-40°	1102.1	21.3
40°-50°	805.2	15.5
50°-60°	514.3	9.9
60°-70°	309.6	6.0
70°-80°	120.7	2.3
80°-90°	24.5	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°	2306.7	44.5
0°-40°	3408.7	65.8
0°-60°	4728.2	91.2
0°-90°	5183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5183.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4880	4880	4880	4880	4880	
5°	4875	4637	4329	4251	4244	464
15°	4720	4026	2838	2212	2159	1329
25°	4402	2806	1684	1533	1521	2025
35°	3908	1854	1368	1368	1273	2445
45°	3272	1200	1170	5	2	2527
55°	2550	947	18	2	0	2270
65°	1714	386	5	2	0	1696
75°	857	20	2	2	2	905
85°	128	2	2	2	2	178
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4880.1	4880.1	4880.1	4880.1	4880.1
2.5°	4890.1	4857.5	4677.1	4602.0	4529.3
5°	4875.0	4637.1	4328.9	4251.3	4243.7
7.5°	4852.5	4414.1	4153.6	3707.6	3519.8
10°	4817.4	4268.8	3602.4	3226.6	3086.4
12.5°	4767.3	4053.3	3003.7	2788.2	2705.6
15°	4719.7	4025.8	2838.3	2212.1	2159.4
17.5°	4629.5	3464.6	2344.8	2079.3	2019.2
20°	4569.4	3209.1	2156.9	1803.7	1643.4
22.5°	4489.2	3058.8	1984.1	1640.9	1578.3
25°	4401.6	2805.8	1683.5	1533.2	1520.6
27.5°	4288.8	2467.6	1508.1	1493.1	1488.1
30°	4171.1	2094.3	1458.0	1453.0	1445.5
32.5°	4043.3	1946.5	1412.9	1412.9	1405.4
35°	3908.1	1853.8	1367.8	1367.8	1272.6
37.5°	3762.8	1736.1	1322.7	1322.7	957.0
40°	3620.0	1488.1	1270.1	881.8	646.3
42.5°	3454.6	1285.1	1225.0	616.3	5.0
45°	3271.7	1200.0	1169.9	5.0	2.5
47.5°	3098.9	1139.8	796.6	2.5	0.0
50°	2913.5	1074.7	546.1	2.5	0.0
52.5°	2738.1	1014.6	25.1	2.5	0.0
55°	2550.3	947.0	17.5	2.5	0.0
57.5°	2337.3	881.8	15.0	2.5	0.0
60°	2139.4	811.7	12.5	2.5	0.0
62.5°	1921.5	688.9	7.5	2.5	0.0
65°	1713.5	385.8	5.0	2.5	0.0
67.5°	1508.1	62.6	5.0	2.5	0.0
70°	1282.6	42.6	2.5	2.5	0.0
72.5°	1074.7	32.6	2.5	2.5	2.5
75°	856.8	20.0	2.5	2.5	2.5
77.5°	641.3	12.5	2.5	2.5	2.5
80°	440.9	7.5	2.5	2.5	2.5
82.5°	265.5	2.5	2.5	2.5	2.5
85°	127.8	2.5	2.5	2.5	2.5
87.5°	40.1	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)