

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: P218451

Luminaire Tested: **4SNLED-LD5-50SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218451  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4784.0 lumens  
Efficiency: N/A  
Efficacy: 123.6 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

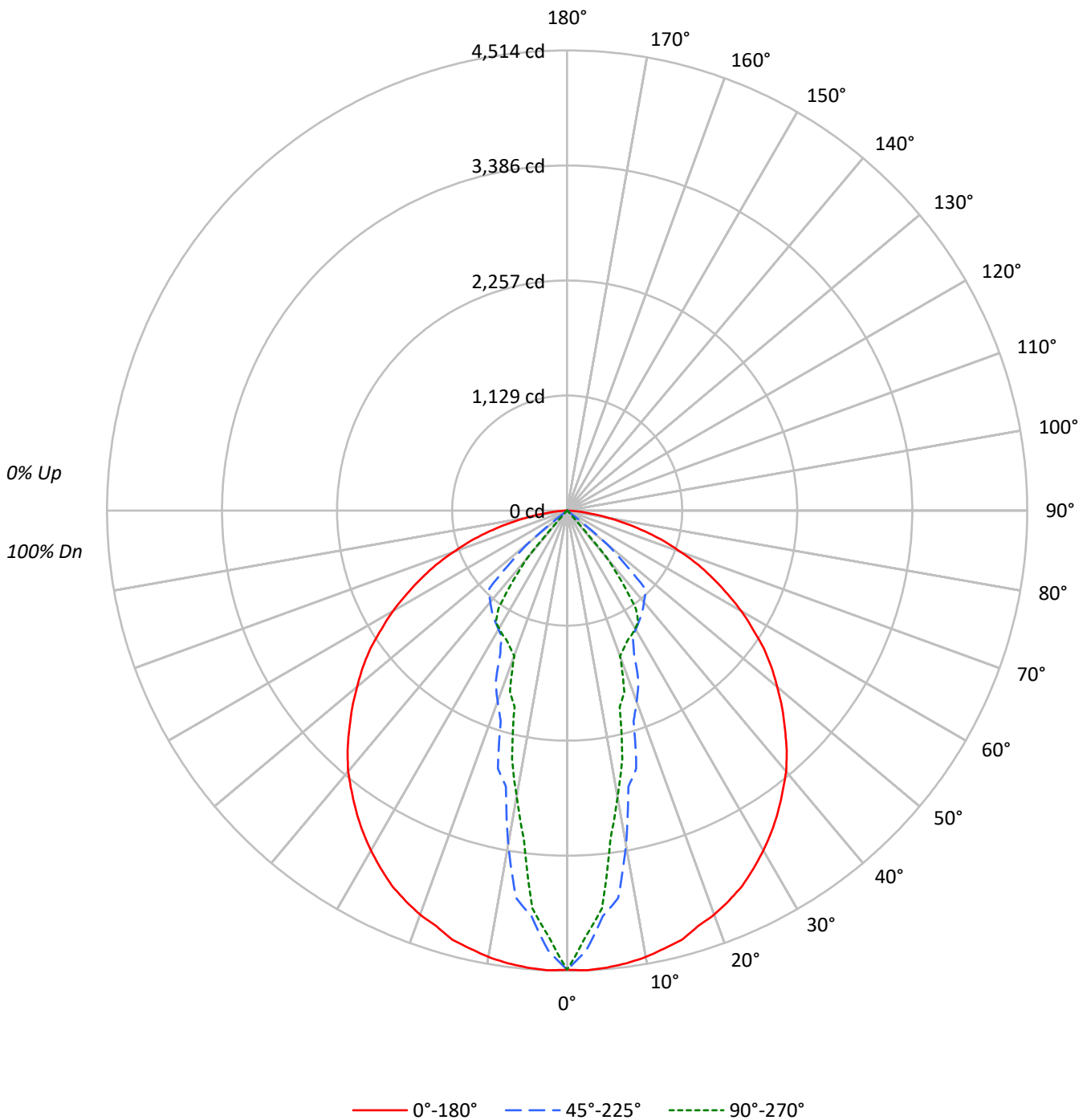
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	72582	72582	72582
5°	72519	60718	58261
10°	72225	48152	39626
15°	71870	36499	26224
20°	71240	26922	19070
25°	70853	20564	17019
30°	69949	17569	15738
35°	68942	16384	13591
40°	67905	15240	6824
45°	66060	14169	26
50°	64219	6729	0
55°	62408	222	0
60°	59348	164	0
65°	55348	68	0
70°	50038	36	0
75°	42597	38	30
80°	30537	41	32
85°	14756	45	34



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.7	7.8
10°-20°	801.4	16.8
20°-30°	956.0	20.0
30°-40°	1017.2	21.3
40°-50°	743.2	15.5
50°-60°	474.7	9.9
60°-70°	285.8	6.0
70°-80°	111.4	2.3
80°-90°	22.6	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°	2129.1	44.5
0°-40°	3146.3	65.8
0°-60°	4364.2	91.2
0°-90°	4784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4784.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4504	4504	4504	4504	4504	
5°	4500	4280	3996	3924	3917	428
15°	4356	3716	2620	2042	1993	1227
25°	4063	2590	1554	1415	1404	1869
35°	3607	1711	1262	1262	1175	2257
45°	3020	1108	1080	5	2	2333
55°	2354	874	16	2	0	2096
65°	1582	356	5	2	0	1565
75°	791	18	2	2	2	835
85°	118	2	2	2	2	164
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4504.4	4504.4	4504.4	4504.4	4504.4
2.5°	4513.6	4483.6	4317.1	4247.7	4180.7
5°	4499.7	4280.1	3995.7	3924.0	3917.0
7.5°	4478.9	4074.3	3833.8	3422.2	3248.8
10°	4446.6	3940.2	3325.1	2978.3	2848.8
12.5°	4400.3	3741.3	2772.5	2573.6	2497.3
15°	4356.4	3715.9	2619.8	2041.8	1993.2
17.5°	4273.1	3197.9	2164.3	1919.2	1863.7
20°	4217.6	2962.1	1990.9	1664.9	1516.9
22.5°	4143.7	2823.3	1831.3	1514.6	1456.8
25°	4062.7	2589.8	1553.9	1415.1	1403.6
27.5°	3958.7	2277.6	1392.0	1378.1	1373.5
30°	3850.0	1933.1	1345.8	1341.1	1334.2
32.5°	3732.1	1796.7	1304.1	1304.1	1297.2
35°	3607.2	1711.1	1262.5	1262.5	1174.7
37.5°	3473.1	1602.4	1220.9	1220.9	883.3
40°	3341.3	1373.5	1172.3	813.9	596.6
42.5°	3188.7	1186.2	1130.7	568.8	4.6
45°	3019.9	1107.6	1079.8	4.6	2.3
47.5°	2860.3	1052.1	735.3	2.3	0.0
50°	2689.2	992.0	504.1	2.3	0.0
52.5°	2527.4	936.5	23.1	2.3	0.0
55°	2353.9	874.1	16.2	2.3	0.0
57.5°	2157.4	813.9	13.9	2.3	0.0
60°	1974.7	749.2	11.6	2.3	0.0
62.5°	1773.5	635.9	6.9	2.3	0.0
65°	1581.6	356.1	4.6	2.3	0.0
67.5°	1392.0	57.8	4.6	2.3	0.0
70°	1183.9	39.3	2.3	2.3	0.0
72.5°	992.0	30.1	2.3	2.3	2.3
75°	790.8	18.5	2.3	2.3	2.3
77.5°	592.0	11.6	2.3	2.3	2.3
80°	407.0	6.9	2.3	2.3	2.3
82.5°	245.1	2.3	2.3	2.3	2.3
85°	117.9	2.3	2.3	2.3	2.3
87.5°	37.0	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)