

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: P218454

Luminaire Tested: **4SNLED-LD5-50SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218454  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5607.0 lumens  
Efficiency: N/A  
Efficacy: 144.9 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

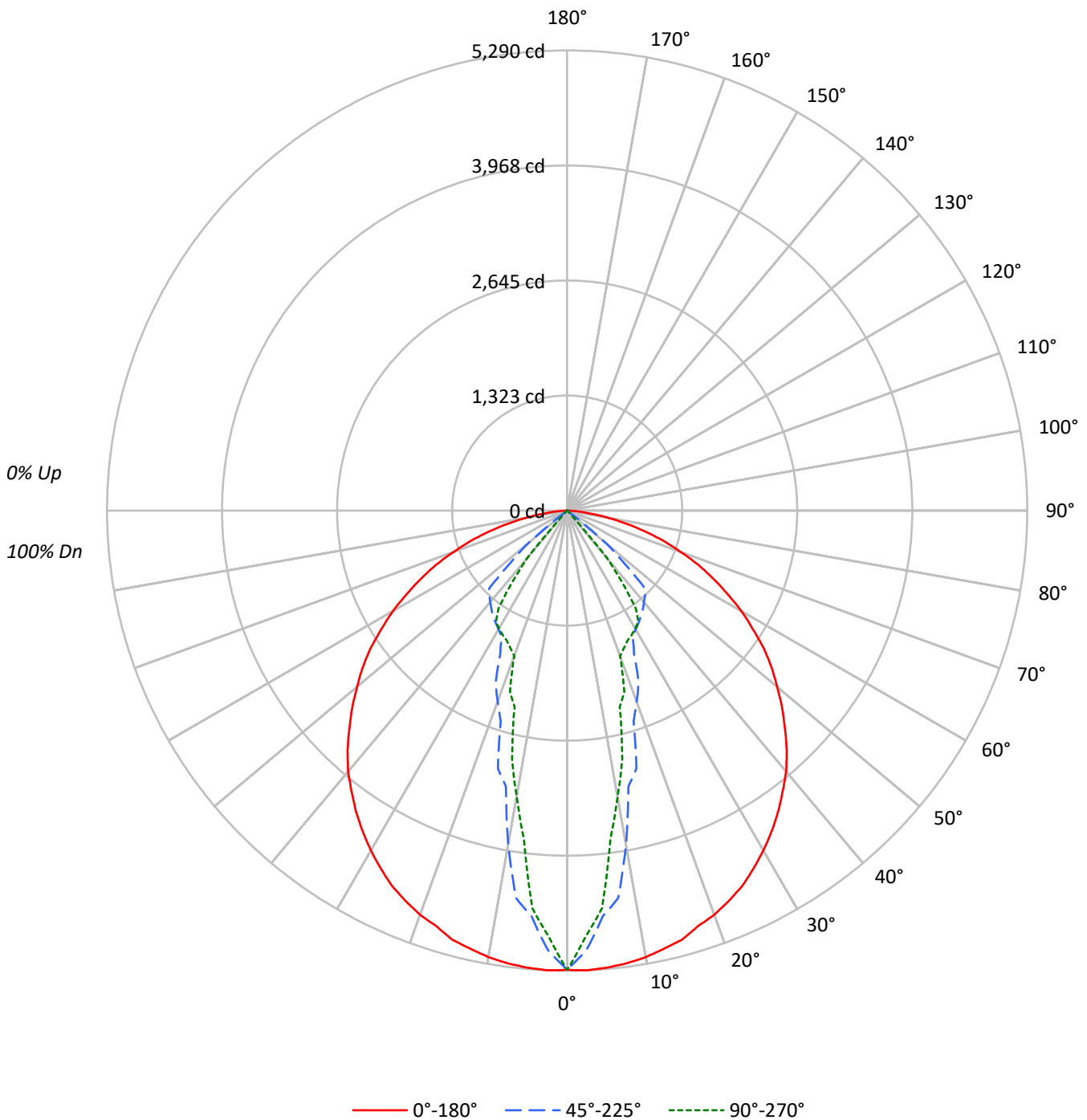
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	85069	85069	85069
5°	84994	71162	68285
10°	84649	56435	46441
15°	84233	42779	30735
20°	83496	31553	22350
25°	83042	24101	19946
30°	81982	20591	18445
35°	80803	19203	15928
40°	79587	17862	7997
45°	77424	16607	31
50°	75266	7887	0
55°	73145	260	0
60°	69557	193	0
65°	64870	80	0
70°	58647	42	0
75°	49928	45	36
80°	35789	48	38
85°	17297	53	40



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	435.7	7.8
10°-20°	939.2	16.8
20°-30°	1120.5	20.0
30°-40°	1192.2	21.3
40°-50°	871.0	15.5
50°-60°	556.4	9.9
60°-70°	335.0	6.0
70°-80°	130.5	2.3
80°-90°	26.5	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°	2495.4	44.5
0°-40°	3687.6	65.8
0°-60°	5115.0	91.2
0°-90°	5607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5607.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5279	5279	5279	5279	5279	
5°	5274	5016	4683	4599	4591	501
15°	5106	4355	3070	2393	2336	1438
25°	4762	3035	1821	1659	1645	2191
35°	4228	2006	1480	1480	1377	2645
45°	3539	1298	1266	5	3	2734
55°	2759	1024	19	3	0	2456
65°	1854	417	5	3	0	1834
75°	927	22	3	3	3	979
85°	138	3	3	3	3	192
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5279.3	5279.3	5279.3	5279.3	5279.3
2.5°	5290.1	5254.9	5059.8	4978.4	4899.9
5°	5273.8	5016.4	4683.0	4599.0	4590.9
7.5°	5249.5	4775.2	4493.3	4010.9	3807.7
10°	5211.5	4618.0	3897.1	3490.6	3338.8
12.5°	5157.3	4384.9	3249.4	3016.3	2926.9
15°	5105.8	4355.1	3070.5	2393.0	2336.1
17.5°	5008.3	3748.1	2536.7	2249.4	2184.3
20°	4943.2	3471.6	2333.4	1951.3	1777.8
22.5°	4856.5	3309.0	2146.4	1775.1	1707.4
25°	4761.6	3035.3	1821.2	1658.6	1645.0
27.5°	4639.7	2669.4	1631.5	1615.2	1609.8
30°	4512.3	2265.6	1577.3	1571.9	1563.7
32.5°	4374.1	2105.7	1528.5	1528.5	1520.4
35°	4227.8	2005.5	1479.7	1479.7	1376.7
37.5°	4070.6	1878.1	1430.9	1430.9	1035.3
40°	3916.1	1609.8	1374.0	954.0	699.2
42.5°	3737.2	1390.3	1325.2	666.7	5.4
45°	3539.4	1298.1	1265.6	5.4	2.7
47.5°	3352.4	1233.1	861.8	2.7	0.0
50°	3151.8	1162.6	590.8	2.7	0.0
52.5°	2962.1	1097.6	27.1	2.7	0.0
55°	2758.9	1024.4	19.0	2.7	0.0
57.5°	2528.5	954.0	16.3	2.7	0.0
60°	2314.4	878.1	13.6	2.7	0.0
62.5°	2078.6	745.3	8.1	2.7	0.0
65°	1853.7	417.4	5.4	2.7	0.0
67.5°	1631.5	67.8	5.4	2.7	0.0
70°	1387.6	46.1	2.7	2.7	0.0
72.5°	1162.6	35.2	2.7	2.7	2.7
75°	926.9	21.7	2.7	2.7	2.7
77.5°	693.8	13.6	2.7	2.7	2.7
80°	477.0	8.1	2.7	2.7	2.7
82.5°	287.3	2.7	2.7	2.7	2.7
85°	138.2	2.7	2.7	2.7	2.7
87.5°	43.4	2.7	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)