

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: P218446

Luminaire Tested: **4SNLED-LD5-47SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218446  
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-LD5-47SL-RM-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5136.0 lumens  
Efficiency: N/A  
Efficacy: 148.4 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

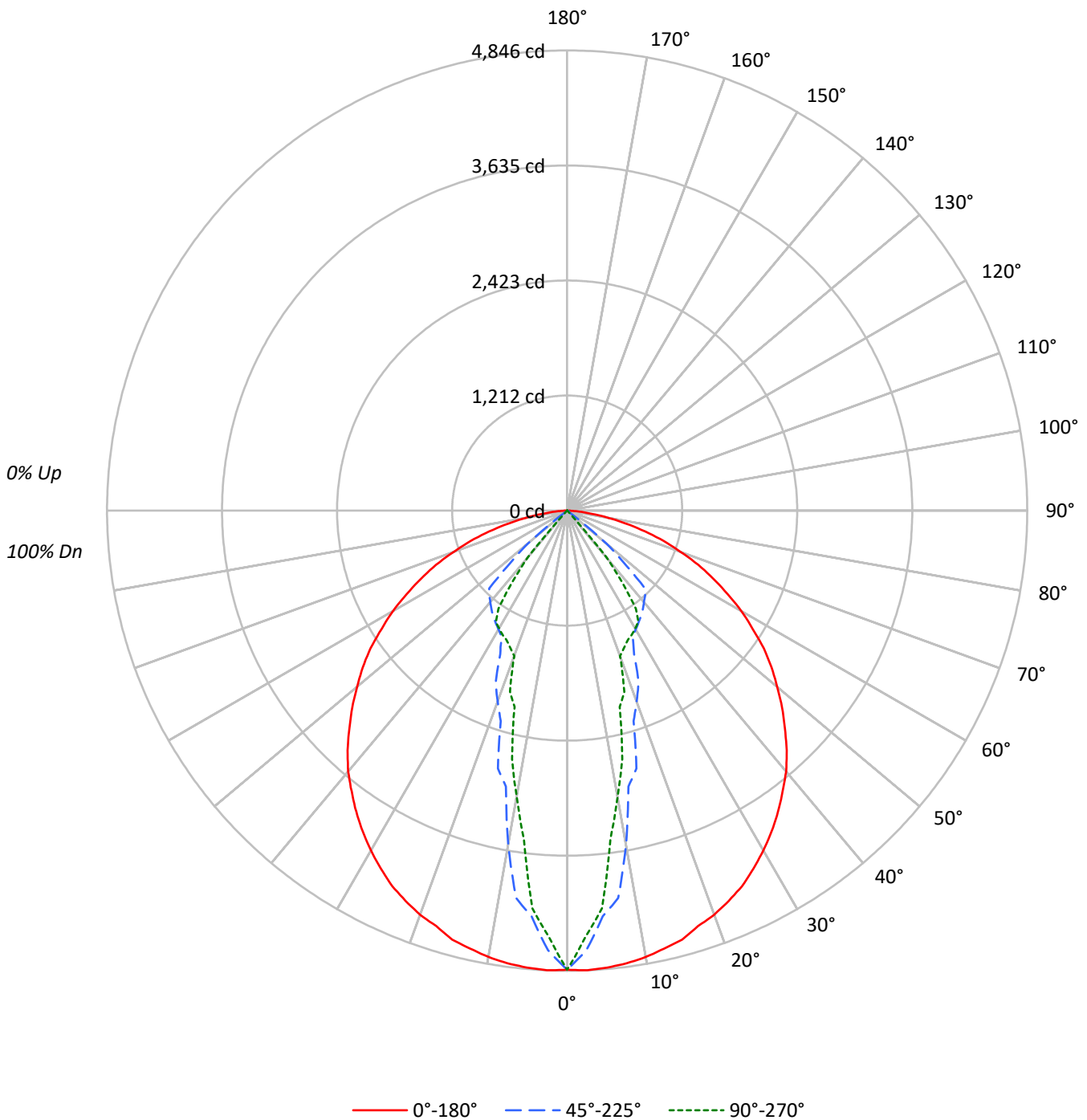
Input Watts (W): 34.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P218446

CATALOG NUMBER: 4SNLED-LD5-47SL-RM-UNV-L850-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P218446

CATALOG NUMBER: 4SNLED-LD5-47SL-RM-UNV-L850-CD1-U

**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°	77922	77922	77922
5°	77855	65186	62549
10°	77538	51695	42541
15°	77157	39186	28154
20°	76483	28903	20473
25°	76068	22076	18270
30°	75096	18861	16897
35°	74015	17590	14591
40°	72900	16361	7326
45°	70920	15212	28
50°	68945	7225	0
55°	67000	238	0
60°	63714	176	0
65°	59421	74	0
70°	53719	39	0
75°	45732	42	33
80°	32780	45	35
85°	15845	49	37



TEST NUMBER: P218446

CATALOG NUMBER: 4SNLED-LD5-47SL-RM-UNV-L850-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.1	7.8
10°-20°	860.3	16.8
20°-30°	1026.3	20.0
30°-40°	1092.1	21.3
40°-50°	797.9	15.5
50°-60°	509.6	9.9
60°-70°	306.8	6.0
70°-80°	119.6	2.3
80°-90°	24.3	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°	2285.8	44.5
0°-40°	3377.8	65.8
0°-60°	4685.3	91.2
0°-90°	5136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5136.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4836	4836	4836	4836	4836	
5°	4831	4595	4290	4213	4205	459
15°	4677	3989	2813	2192	2140	1317
25°	4362	2780	1668	1519	1507	2007
35°	3873	1837	1355	1355	1261	2423
45°	3242	1189	1159	5	2	2504
55°	2527	938	17	2	0	2250
65°	1698	382	5	2	0	1680
75°	849	20	2	2	2	897
85°	127	2	2	2	2	176
90°	0	0	0	0	0	



TEST NUMBER: P218446

CATALOG NUMBER: 4SNLED-LD5-47SL-RM-UNV-L850-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4835.8	4835.8	4835.8	4835.8	4835.8
2.5°	4845.7	4813.5	4634.7	4560.2	4488.3
5°	4830.8	4595.0	4289.7	4212.7	4205.3
7.5°	4808.5	4374.1	4115.9	3674.0	3487.8
10°	4773.7	4230.1	3569.8	3197.4	3058.4
12.5°	4724.1	4016.6	2976.4	2763.0	2681.0
15°	4676.9	3989.3	2812.6	2192.0	2139.9
17.5°	4587.6	3433.2	2323.6	2060.4	2000.8
20°	4528.0	3180.0	2137.4	1787.4	1628.5
22.5°	4448.5	3031.1	1966.1	1626.0	1563.9
25°	4361.7	2780.3	1668.2	1519.3	1506.8
27.5°	4249.9	2445.2	1494.4	1479.5	1474.6
30°	4133.3	2075.3	1444.8	1439.8	1432.4
32.5°	4006.7	1928.9	1400.1	1400.1	1392.7
35°	3872.6	1837.0	1355.4	1355.4	1261.1
37.5°	3728.6	1720.3	1310.7	1310.7	948.3
40°	3587.1	1474.6	1258.6	873.8	640.5
42.5°	3423.3	1273.5	1213.9	610.7	5.0
45°	3242.1	1189.1	1159.3	5.0	2.5
47.5°	3070.8	1129.5	789.4	2.5	0.0
50°	2887.1	1065.0	541.2	2.5	0.0
52.5°	2713.3	1005.4	24.8	2.5	0.0
55°	2527.1	938.4	17.4	2.5	0.0
57.5°	2316.1	873.8	14.9	2.5	0.0
60°	2120.0	804.3	12.4	2.5	0.0
62.5°	1904.0	682.7	7.4	2.5	0.0
65°	1698.0	382.3	5.0	2.5	0.0
67.5°	1494.4	62.1	5.0	2.5	0.0
70°	1271.0	42.2	2.5	2.5	0.0
72.5°	1065.0	32.3	2.5	2.5	2.5
75°	849.0	19.9	2.5	2.5	2.5
77.5°	635.5	12.4	2.5	2.5	2.5
80°	436.9	7.4	2.5	2.5	2.5
82.5°	263.1	2.5	2.5	2.5	2.5
85°	126.6	2.5	2.5	2.5	2.5
87.5°	39.7	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)