

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: P218444

Luminaire Tested: **4SNLED-LD5-47SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218444  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4654.9 lumens  
Efficiency: N/A  
Efficacy: 134.5 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

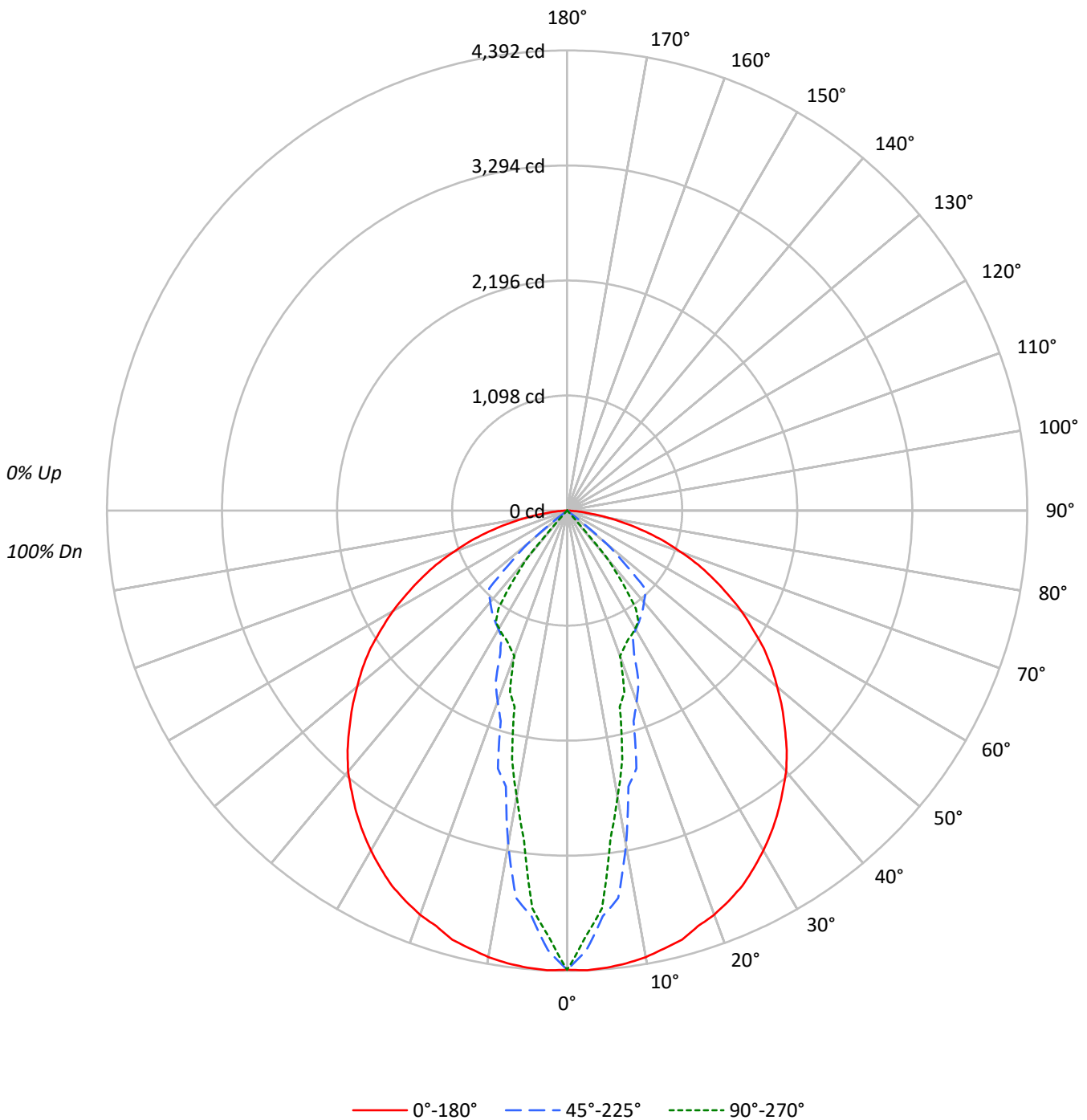
Input Watts (W): 34.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	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	45	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°	70624	70624	70624
5°	70564	59080	56690
10°	70277	46853	38556
15°	69931	35516	25517
20°	69319	26195	18556
25°	68943	20009	16560
30°	68063	17095	15314
35°	67083	15943	13224
40°	66074	14829	6640
45°	64277	13787	25
50°	62487	6548	0
55°	60727	215	0
60°	57749	159	0
65°	53857	67	0
70°	48689	34	0
75°	41449	37	29
80°	29712	39	31
85°	14356	43	33



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.7	7.8
10°-20°	779.7	16.8
20°-30°	930.2	20.0
30°-40°	989.8	21.3
40°-50°	723.1	15.5
50°-60°	461.9	9.9
60°-70°	278.1	6.0
70°-80°	108.3	2.3
80°-90°	21.9	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°	2071.7	44.5
0°-40°	3061.5	65.8
0°-60°	4246.5	91.2
0°-90°	4654.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4654.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4383	4383	4383	4383	4383	
5°	4378	4165	3888	3818	3811	416
15°	4239	3616	2549	1987	1940	1194
25°	3953	2520	1512	1377	1366	1819
35°	3510	1665	1228	1228	1143	2196
45°	2938	1078	1051	4	2	2270
55°	2290	850	16	2	0	2039
65°	1539	346	4	2	0	1523
75°	770	18	2	2	2	813
85°	115	2	2	2	2	160
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4382.9	4382.9	4382.9	4382.9	4382.9
2.5°	4391.9	4362.7	4200.7	4133.2	4067.9
5°	4378.4	4164.7	3887.9	3818.2	3811.4
7.5°	4358.2	3964.4	3730.4	3329.9	3161.2
10°	4326.7	3833.9	3235.4	2897.9	2771.9
12.5°	4281.7	3640.4	2697.7	2504.2	2430.0
15°	4238.9	3615.7	2549.2	1986.7	1939.5
17.5°	4157.9	3111.7	2106.0	1867.5	1813.5
20°	4103.9	2882.2	1937.2	1620.0	1476.0
22.5°	4031.9	2747.2	1782.0	1473.7	1417.5
25°	3953.2	2520.0	1512.0	1377.0	1365.7
27.5°	3851.9	2216.2	1354.5	1341.0	1336.5
30°	3746.2	1881.0	1309.5	1305.0	1298.2
32.5°	3631.4	1748.2	1269.0	1269.0	1262.2
35°	3509.9	1665.0	1228.5	1228.5	1143.0
37.5°	3379.4	1559.2	1188.0	1188.0	859.5
40°	3251.2	1336.5	1140.7	792.0	580.5
42.5°	3102.7	1154.2	1100.2	553.5	4.5
45°	2938.4	1077.7	1050.7	4.5	2.2
47.5°	2783.2	1023.7	715.5	2.2	0.0
50°	2616.7	965.2	490.5	2.2	0.0
52.5°	2459.2	911.2	22.5	2.2	0.0
55°	2290.5	850.5	15.7	2.2	0.0
57.5°	2099.2	792.0	13.5	2.2	0.0
60°	1921.5	729.0	11.2	2.2	0.0
62.5°	1725.7	618.7	6.7	2.2	0.0
65°	1539.0	346.5	4.5	2.2	0.0
67.5°	1354.5	56.2	4.5	2.2	0.0
70°	1152.0	38.2	2.2	2.2	0.0
72.5°	965.2	29.2	2.2	2.2	2.2
75°	769.5	18.0	2.2	2.2	2.2
77.5°	576.0	11.2	2.2	2.2	2.2
80°	396.0	6.7	2.2	2.2	2.2
82.5°	238.5	2.2	2.2	2.2	2.2
85°	114.7	2.2	2.2	2.2	2.2
87.5°	36.0	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)