

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: P218443

Luminaire Tested: **4SNLED-LD5-47SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218443
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4381.9 lumens
Efficiency: N/A
Efficacy: 126.6 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

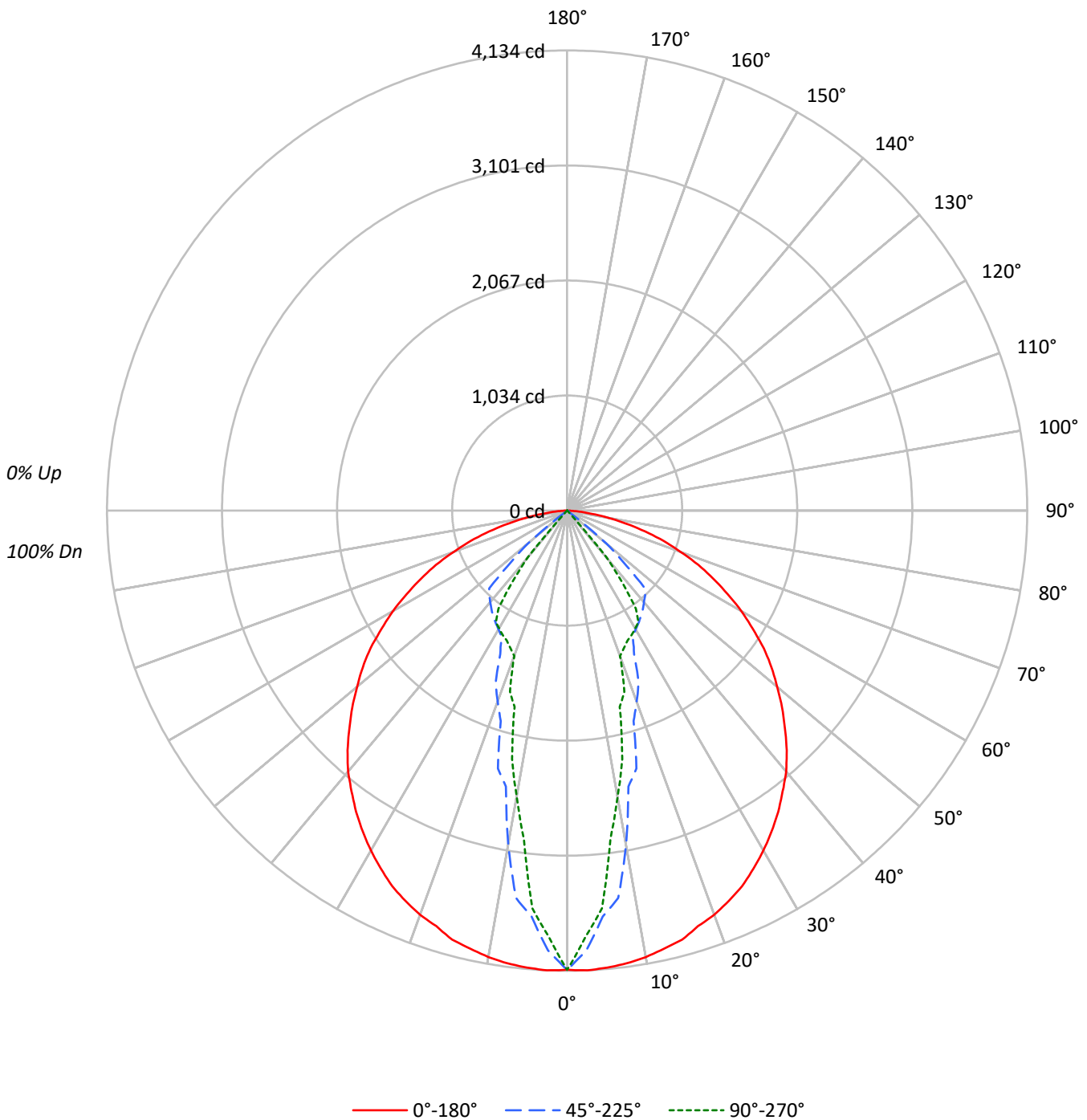
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	66483	66483	66483
5°	66425	55615	53366
10°	66155	44106	36296
15°	65830	33433	24020
20°	65254	24659	17467
25°	64899	18836	15588
30°	64071	16092	14416
35°	63149	15007	12448
40°	62198	13959	6249
45°	60508	12979	24
50°	58822	6163	0
55°	57164	203	0
60°	54362	150	0
65°	50697	62	0
70°	45832	33	0
75°	39020	35	28
80°	27971	38	29
85°	13517	41	31



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.5	7.8
10°-20°	734.0	16.8
20°-30°	875.7	20.0
30°-40°	931.7	21.3
40°-50°	680.7	15.5
50°-60°	434.8	9.9
60°-70°	261.8	6.0
70°-80°	102.0	2.3
80°-90°	20.7	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°	1950.2	44.5
0°-40°	2881.9	65.8
0°-60°	3997.5	91.2
0°-90°	4381.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4381.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4126	4126	4126	4126	4126	
5°	4122	3920	3660	3594	3588	392
15°	3990	3404	2400	1870	1826	1124
25°	3721	2372	1423	1296	1286	1712
35°	3304	1567	1156	1156	1076	2067
45°	2766	1014	989	4	2	2137
55°	2156	801	15	2	0	1919
65°	1449	326	4	2	0	1433
75°	724	17	2	2	2	765
85°	108	2	2	2	2	150
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4125.9	4125.9	4125.9	4125.9	4125.9
2.5°	4134.3	4106.8	3954.3	3890.8	3829.4
5°	4121.6	3920.4	3659.9	3594.3	3587.9
7.5°	4102.6	3731.9	3511.7	3134.6	2975.8
10°	4072.9	3609.1	3045.7	2728.0	2609.4
12.5°	4030.6	3426.9	2539.5	2357.3	2287.4
15°	3990.3	3403.6	2399.7	1870.2	1825.7
17.5°	3914.1	2929.2	1982.5	1757.9	1707.1
20°	3863.2	2713.2	1823.6	1525.0	1389.4
22.5°	3795.5	2586.1	1677.5	1387.3	1334.3
25°	3721.3	2372.2	1423.3	1296.2	1285.6
27.5°	3626.0	2086.2	1275.0	1262.3	1258.1
30°	3526.5	1770.7	1232.7	1228.4	1222.1
32.5°	3418.5	1645.7	1194.6	1194.6	1188.2
35°	3304.1	1567.3	1156.4	1156.4	1075.9
37.5°	3181.2	1467.8	1118.3	1118.3	809.1
40°	3060.5	1258.1	1073.8	745.5	546.4
42.5°	2920.7	1086.5	1035.7	521.0	4.2
45°	2766.1	1014.5	989.1	4.2	2.1
47.5°	2620.0	963.7	673.5	2.1	0.0
50°	2463.2	908.6	461.7	2.1	0.0
52.5°	2315.0	857.8	21.2	2.1	0.0
55°	2156.1	800.6	14.8	2.1	0.0
57.5°	1976.1	745.5	12.7	2.1	0.0
60°	1808.8	686.2	10.6	2.1	0.0
62.5°	1624.5	582.5	6.4	2.1	0.0
65°	1448.7	326.2	4.2	2.1	0.0
67.5°	1275.0	53.0	4.2	2.1	0.0
70°	1084.4	36.0	2.1	2.1	0.0
72.5°	908.6	27.5	2.1	2.1	2.1
75°	724.4	16.9	2.1	2.1	2.1
77.5°	542.2	10.6	2.1	2.1	2.1
80°	372.8	6.4	2.1	2.1	2.1
82.5°	224.5	2.1	2.1	2.1	2.1
85°	108.0	2.1	2.1	2.1	2.1
87.5°	33.9	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)