

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: P218445

Luminaire Tested: **4SNLED-LD5-47SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218445
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4748.0 lumens
Efficiency: N/A
Efficacy: 137.2 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

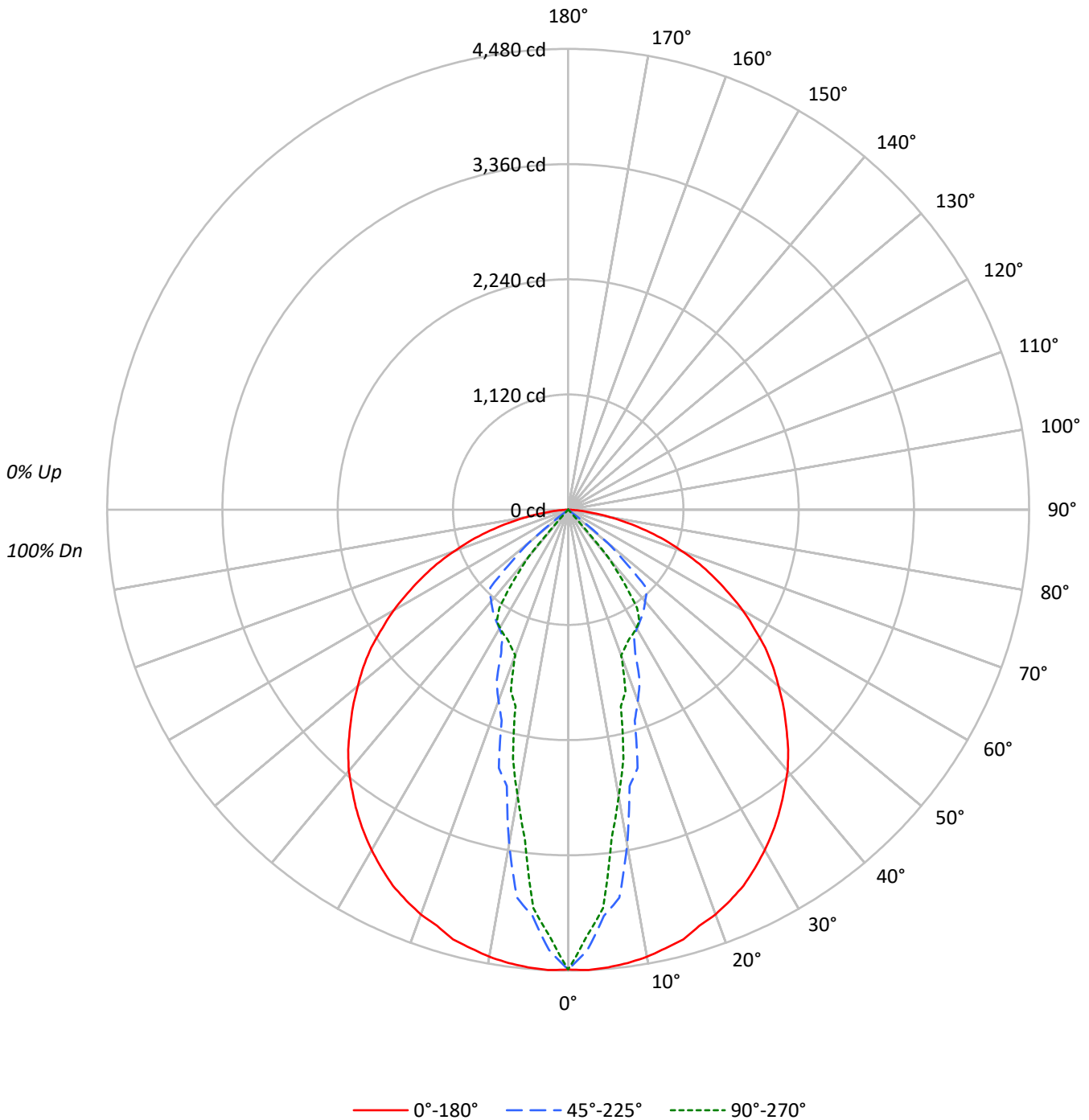
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	72036	72036	72036
5°	71974	60261	57824
10°	71680	47790	39327
15°	71329	36225	26027
20°	70704	26719	18927
25°	70321	20409	16891
30°	69422	17436	15620
35°	68424	16261	13488
40°	67393	15125	6772
45°	65561	14063	26
50°	63736	6679	0
55°	61938	220	0
60°	58903	163	0
65°	54932	68	0
70°	49661	36	0
75°	42279	38	30
80°	30304	41	32
85°	14643	45	34



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.9	7.8
10°-20°	795.3	16.8
20°-30°	948.8	20.0
30°-40°	1009.6	21.3
40°-50°	737.6	15.5
50°-60°	471.1	9.9
60°-70°	283.7	6.0
70°-80°	110.6	2.3
80°-90°	22.4	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°	2113.1	44.5
0°-40°	3122.6	65.8
0°-60°	4331.4	91.2
0°-90°	4748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4748.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4470	4470	4470	4470	4470	
5°	4466	4248	3966	3894	3888	425
15°	4324	3688	2600	2026	1978	1218
25°	4032	2570	1542	1404	1393	1855
35°	3580	1698	1253	1253	1166	2240
45°	2997	1099	1072	5	2	2315
55°	2336	868	16	2	0	2080
65°	1570	353	5	2	0	1553
75°	785	18	2	2	2	829
85°	117	2	2	2	2	163
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4470.5	4470.5	4470.5	4470.5	4470.5
2.5°	4479.7	4449.8	4284.6	4215.7	4149.2
5°	4465.9	4247.9	3965.6	3894.5	3887.6
7.5°	4445.2	4043.6	3805.0	3396.5	3224.3
10°	4413.1	3910.5	3300.1	2955.8	2827.3
12.5°	4367.2	3713.2	2751.6	2554.2	2478.5
15°	4323.6	3687.9	2600.1	2026.4	1978.2
17.5°	4241.0	3173.9	2148.0	1904.8	1849.7
20°	4185.9	2939.8	1975.9	1652.3	1505.5
22.5°	4112.5	2802.1	1817.6	1503.2	1445.8
25°	4032.2	2570.3	1542.2	1404.5	1393.0
27.5°	3928.9	2260.5	1381.5	1367.8	1363.2
30°	3821.0	1918.5	1335.6	1331.0	1324.2
32.5°	3704.0	1783.1	1294.3	1294.3	1287.4
35°	3580.1	1698.2	1253.0	1253.0	1165.8
37.5°	3447.0	1590.4	1211.7	1211.7	876.7
40°	3316.1	1363.2	1163.5	807.8	592.1
42.5°	3164.7	1177.3	1122.2	564.5	4.6
45°	2997.1	1099.3	1071.7	4.6	2.3
47.5°	2838.8	1044.2	729.8	2.3	0.0
50°	2669.0	984.5	500.3	2.3	0.0
52.5°	2508.3	929.4	22.9	2.3	0.0
55°	2336.2	867.5	16.1	2.3	0.0
57.5°	2141.1	807.8	13.8	2.3	0.0
60°	1959.9	743.5	11.5	2.3	0.0
62.5°	1760.2	631.1	6.9	2.3	0.0
65°	1569.7	353.4	4.6	2.3	0.0
67.5°	1381.5	57.4	4.6	2.3	0.0
70°	1175.0	39.0	2.3	2.3	0.0
72.5°	984.5	29.8	2.3	2.3	2.3
75°	784.9	18.4	2.3	2.3	2.3
77.5°	587.5	11.5	2.3	2.3	2.3
80°	403.9	6.9	2.3	2.3	2.3
82.5°	243.3	2.3	2.3	2.3	2.3
85°	117.0	2.3	2.3	2.3	2.3
87.5°	36.7	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)