

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: STREETWORKS

Report Number: P399947

Luminaire Tested: **ARCH-L-PA3-210-760-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P399947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-568-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/19/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH-L-PA3-210-760-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 5700K, 900mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30833 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

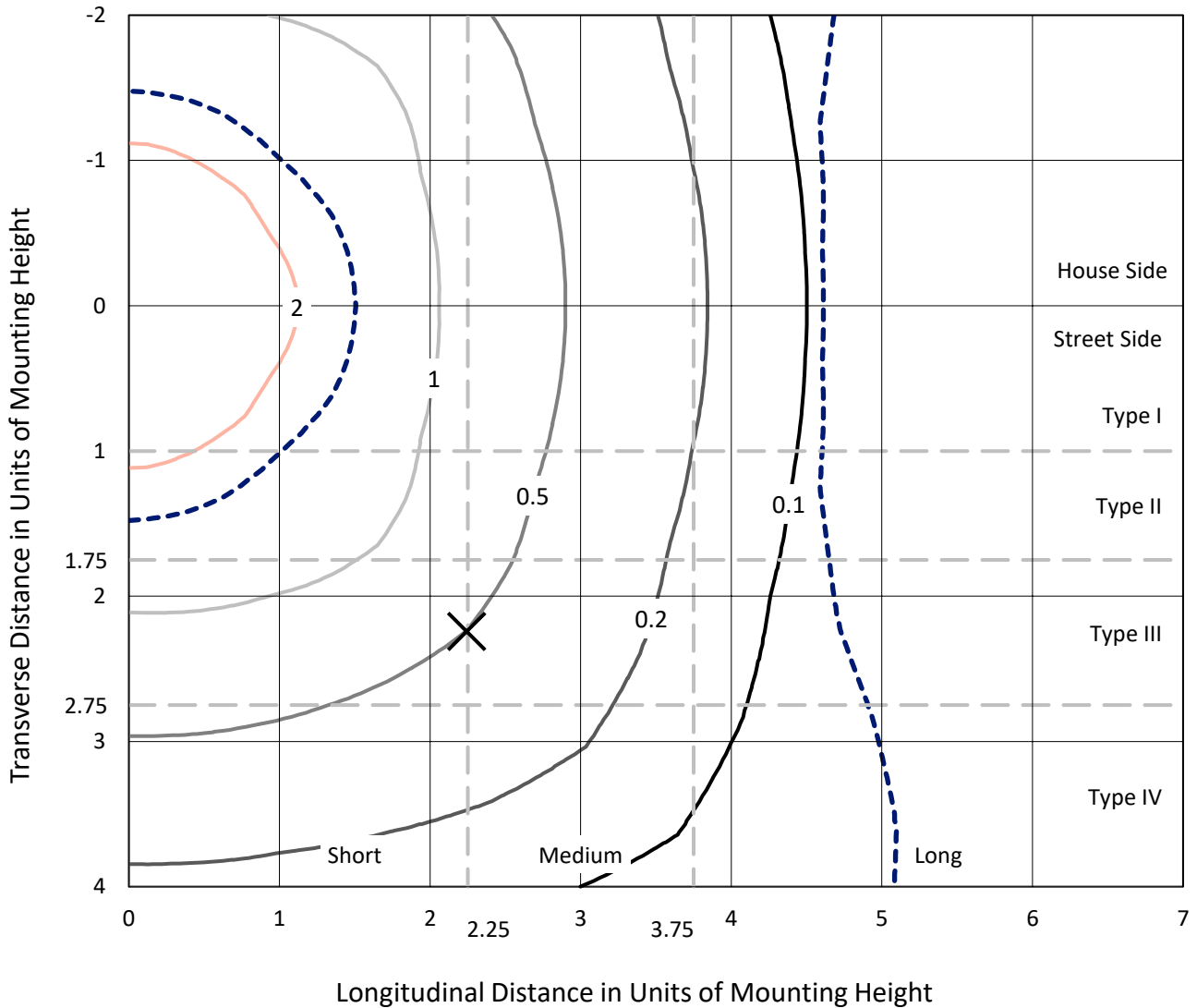
Input Watts (W): 211
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

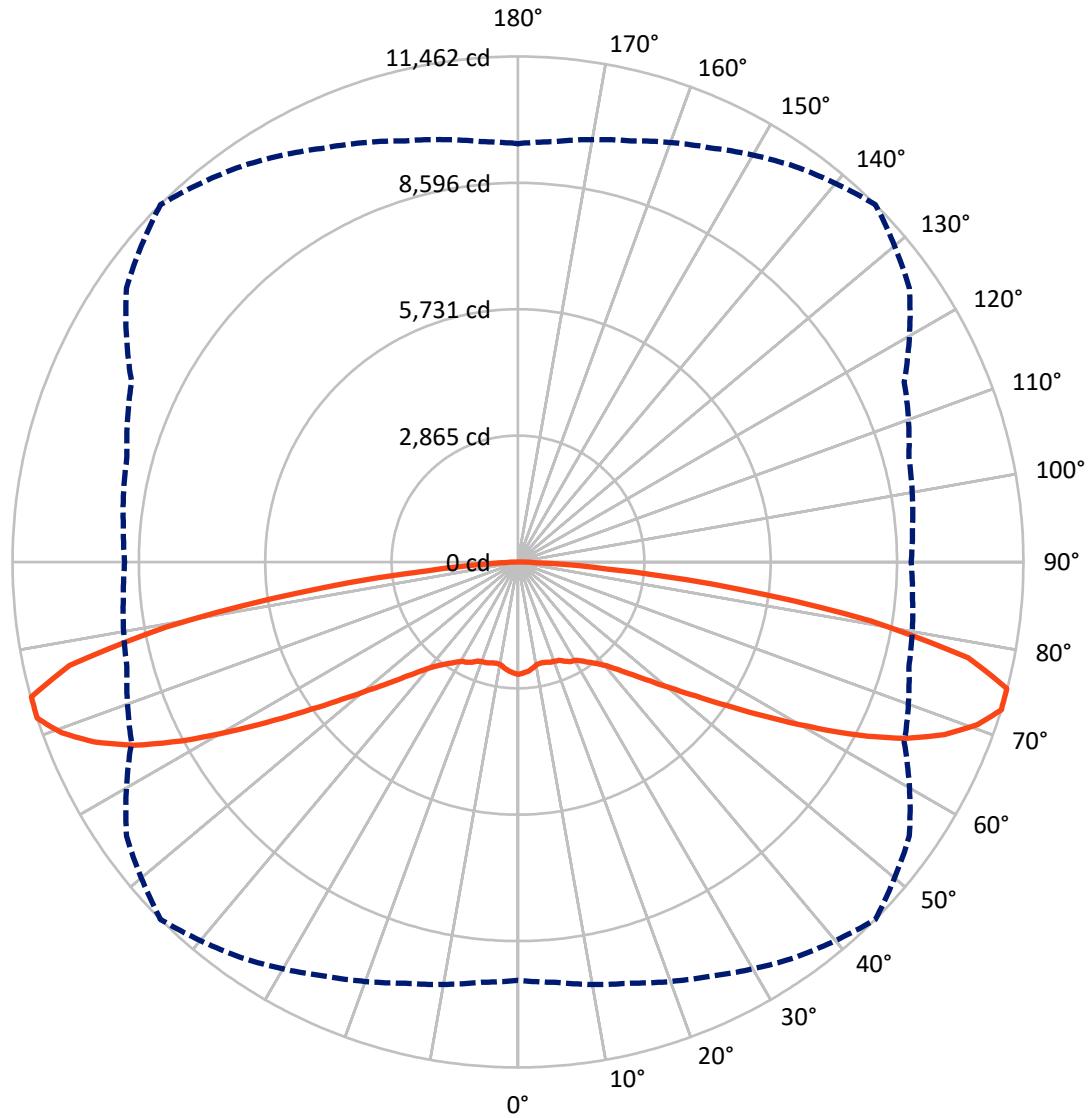
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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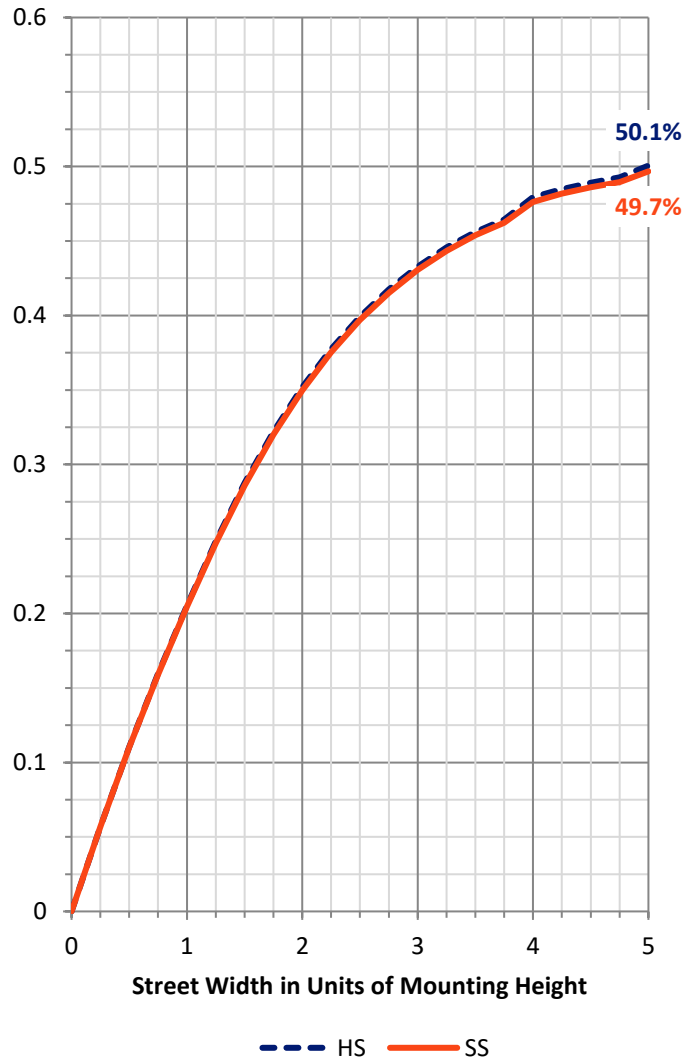
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15416.5	0.0	15416.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15416.5	0.0	15416.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30833.0	0.0	30833.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.0	0.8
10°-20°	679.1	2.2
20°-30°	1153.9	3.7
30°-40°	1760.1	5.7
40°-50°	2898.2	9.4
50°-60°	5061.1	16.4
60°-70°	8485.0	27.5
70°-80°	9080.6	29.5
80°-90°	1481.0	4.8
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°-90°	30833.0	100.0
0°-180°	30833.0	100.0

Coefficient of Utilization

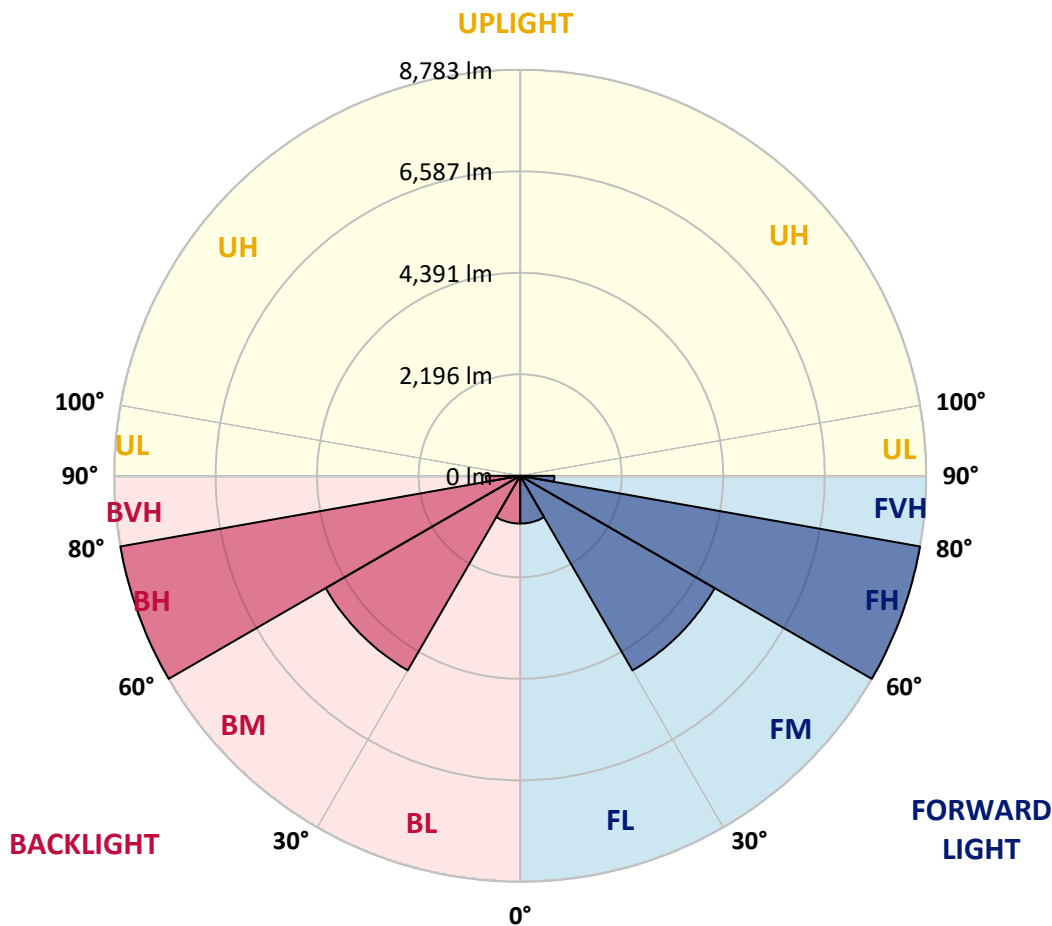


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1033.5	3.4			
FM (30°-60°)	4859.6	15.8			
FH (60°-80°)	8782.8	28.5			G4/12000
FVH (80°-90°)	740.5	2.4			G4/750
BL (0°-30°)	1033.5	3.4	B3/2500		
BM (30°-60°)	4859.6	15.8	B3/5000		
BH (60°-80°)	8782.8	28.5	B5		G4/12000
BVH (80°-90°)	740.5	2.4			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2551.5	2551.5	2551.5	2551.5	2551.5	2551.5	2551.5	2551.5	2551.5	2551.5	2551.5
2.5°	2535.7	2535.7	2535.7	2531.8	2523.9	2520.0	2512.1	2516.0	2516.0	2516.0	2516.0
5°	2504.2	2504.2	2500.3	2496.3	2488.5	2484.5	2476.7	2484.5	2484.5	2484.5	2484.5
7.5°	2445.2	2449.1	2449.1	2445.2	2433.3	2429.4	2417.6	2421.5	2421.5	2425.5	2421.5
10°	2413.7	2413.7	2409.7	2390.0	2370.3	2362.5	2358.5	2370.3	2382.2	2394.0	2394.0
12.5°	2413.7	2413.7	2405.8	2374.3	2346.7	2346.7	2346.7	2362.5	2386.1	2409.7	2413.7
15°	2425.5	2425.5	2409.7	2374.3	2358.5	2362.5	2362.5	2378.2	2405.8	2437.3	2441.2
17.5°	2433.3	2433.3	2413.7	2378.2	2378.2	2390.0	2382.2	2394.0	2421.5	2457.0	2460.9
20°	2445.2	2445.2	2417.6	2390.0	2390.0	2401.8	2401.8	2413.7	2437.3	2472.7	2476.7
22.5°	2468.8	2464.8	2437.3	2413.7	2413.7	2421.5	2429.4	2445.2	2464.8	2496.3	2504.2
25°	2496.3	2496.3	2472.7	2468.8	2476.7	2496.3	2492.4	2488.5	2496.3	2523.9	2535.7
27.5°	2512.1	2512.1	2496.3	2508.2	2539.7	2555.4	2535.7	2520.0	2520.0	2547.5	2551.5
30°	2563.3	2559.3	2543.6	2551.5	2579.0	2586.9	2575.1	2555.4	2567.2	2598.7	2602.7
32.5°	2649.9	2649.9	2626.3	2626.3	2646.0	2677.5	2638.1	2626.3	2642.0	2677.5	2681.4
35°	2783.8	2783.8	2752.3	2736.5	2752.3	2795.6	2736.5	2732.6	2760.1	2799.5	2803.5
37.5°	2953.1	2953.1	2933.4	2894.0	2898.0	2925.5	2874.3	2870.4	2921.6	2964.9	2964.9
40°	3165.7	3177.5	3157.8	3110.6	3094.8	3098.8	3059.4	3063.3	3122.4	3173.6	3173.6
42.5°	3429.5	3437.4	3405.9	3370.5	3350.8	3339.0	3299.6	3307.5	3378.3	3445.3	3445.3
45°	3748.4	3752.4	3720.9	3677.6	3653.9	3646.1	3606.7	3626.4	3705.1	3776.0	3772.1
47.5°	4106.8	4110.7	4079.2	4035.9	4020.1	4031.9	3992.6	3992.6	4063.4	4122.5	4114.6
50°	4512.3	4520.2	4484.8	4465.1	4453.3	4484.8	4437.5	4394.2	4441.4	4500.5	4492.6
52.5°	4961.2	4980.9	4957.2	4965.1	5008.4	5047.8	4969.1	4874.6	4898.2	4937.6	4925.7
55°	5504.5	5528.2	5536.0	5563.6	5677.8	5744.7	5614.8	5457.3	5445.5	5449.4	5429.7
57.5°	6114.9	6130.6	6181.8	6244.8	6481.0	6587.3	6382.6	6110.9	6024.3	5973.1	5961.3
60°	6729.1	6756.7	6882.7	7012.6	7374.8	7567.8	7252.8	6796.0	6611.0	6516.5	6496.8
62.5°	7347.3	7402.4	7607.1	7827.6	8355.3	8642.7	8158.4	7496.9	7229.2	7111.0	7079.5
65°	8063.9	8130.8	8378.9	8658.4	9245.1	9650.7	9064.0	8221.4	7934.0	7776.5	7737.1
67.5°	8902.6	8973.4	9174.2	9485.3	10040.5	10438.2	9918.4	8961.6	8587.6	8386.8	8355.3
70°	9591.6	9654.6	9871.2	10186.2	10599.6	11052.4	10556.3	9552.2	9213.6	9071.9	9052.2
72.5°	9485.3	9568.0	9886.9	10359.4	10950.0	11461.9	10835.9	9666.4	9178.2	8981.3	8918.3
75°	8284.4	8374.9	8752.9	9607.4	10686.2	11450.1	10430.3	8906.5	8331.6	8166.3	8134.8
77.5°	5484.9	5571.5	6209.4	7556.0	9331.7	10434.2	9205.7	7461.5	6536.2	6138.5	6114.9
80°	2216.8	2327.0	2937.3	4366.6	6614.9	8111.1	6827.5	4776.1	3220.8	2598.7	2472.7
82.5°	515.8	614.2	893.8	1610.4	3386.2	5051.7	3681.5	1783.7	1035.5	736.3	661.5
85°	216.6	220.5	381.9	523.7	1059.2	2039.6	1204.9	649.7	527.6	385.9	378.0
87.5°	82.7	86.6	185.1	220.5	338.6	385.9	409.5	334.7	311.1	192.9	185.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)