

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: P400307

Luminaire Tested: **ARCH-L-PA3-260-760-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P400307
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-PA3-260-760-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 5700K, 1110mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35417 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

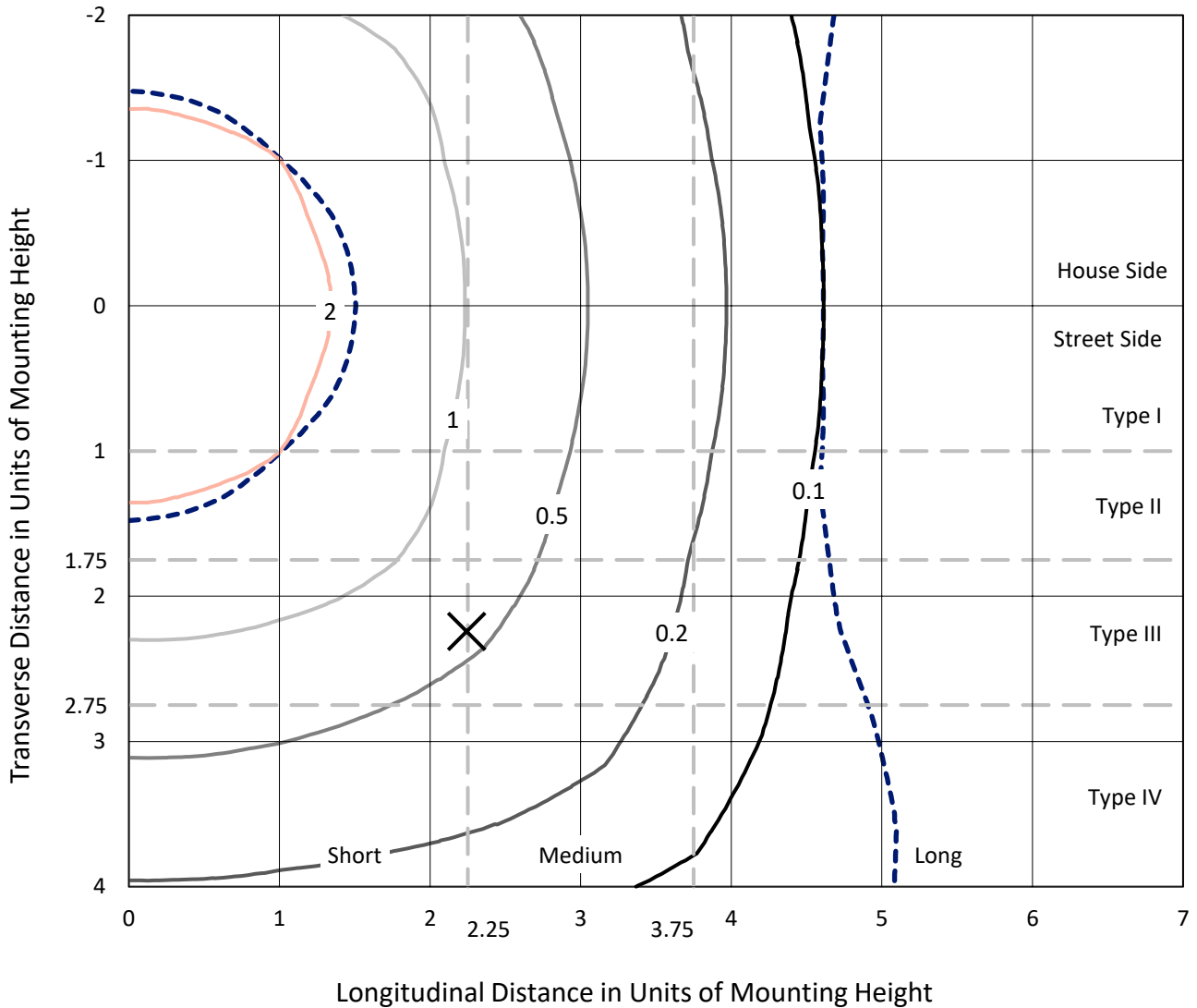
Input Watts (W): 261
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

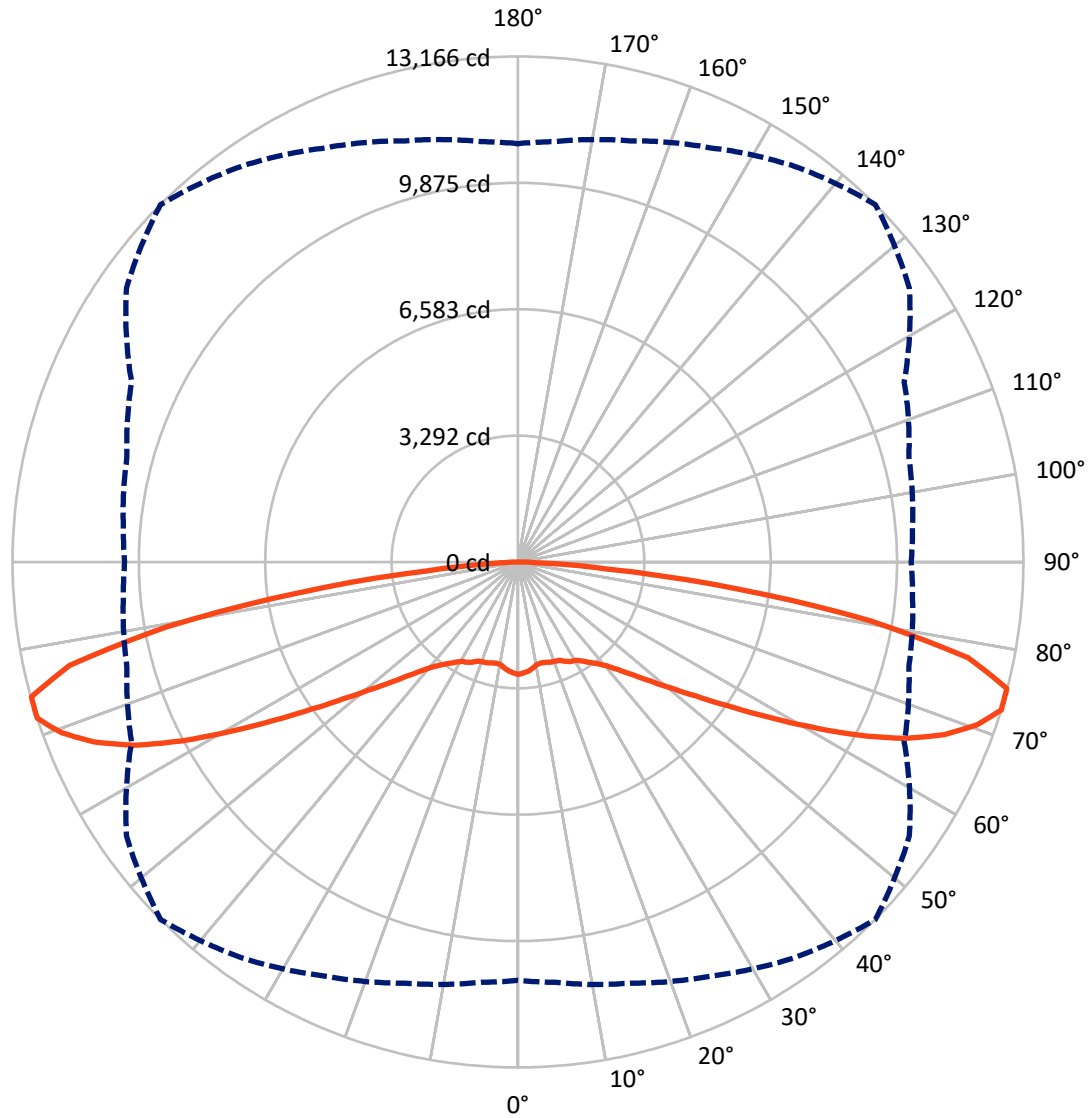
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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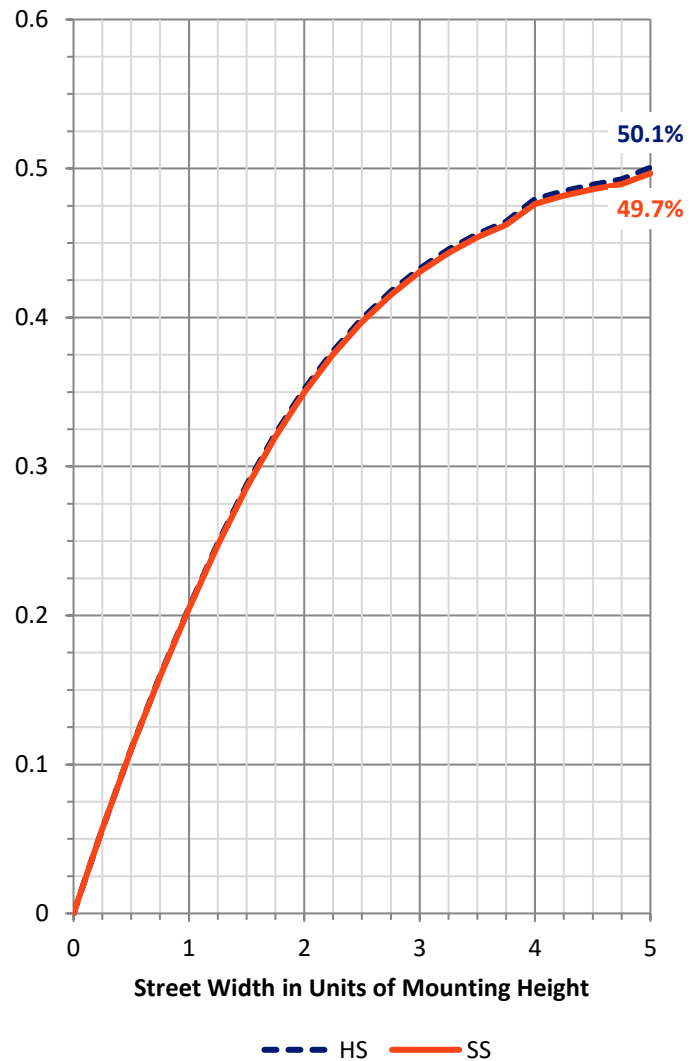
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17708.5	0.0	17708.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17708.5	0.0	17708.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35417.0	0.0	35417.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.7	0.8
10°-20°	780.1	2.2
20°-30°	1325.5	3.7
30°-40°	2021.8	5.7
40°-50°	3329.0	9.4
50°-60°	5813.5	16.4
60°-70°	9746.4	27.5
70°-80°	10430.7	29.5
80°-90°	1701.2	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°	35417.0	100.0
0°-180°	35417.0	100.0



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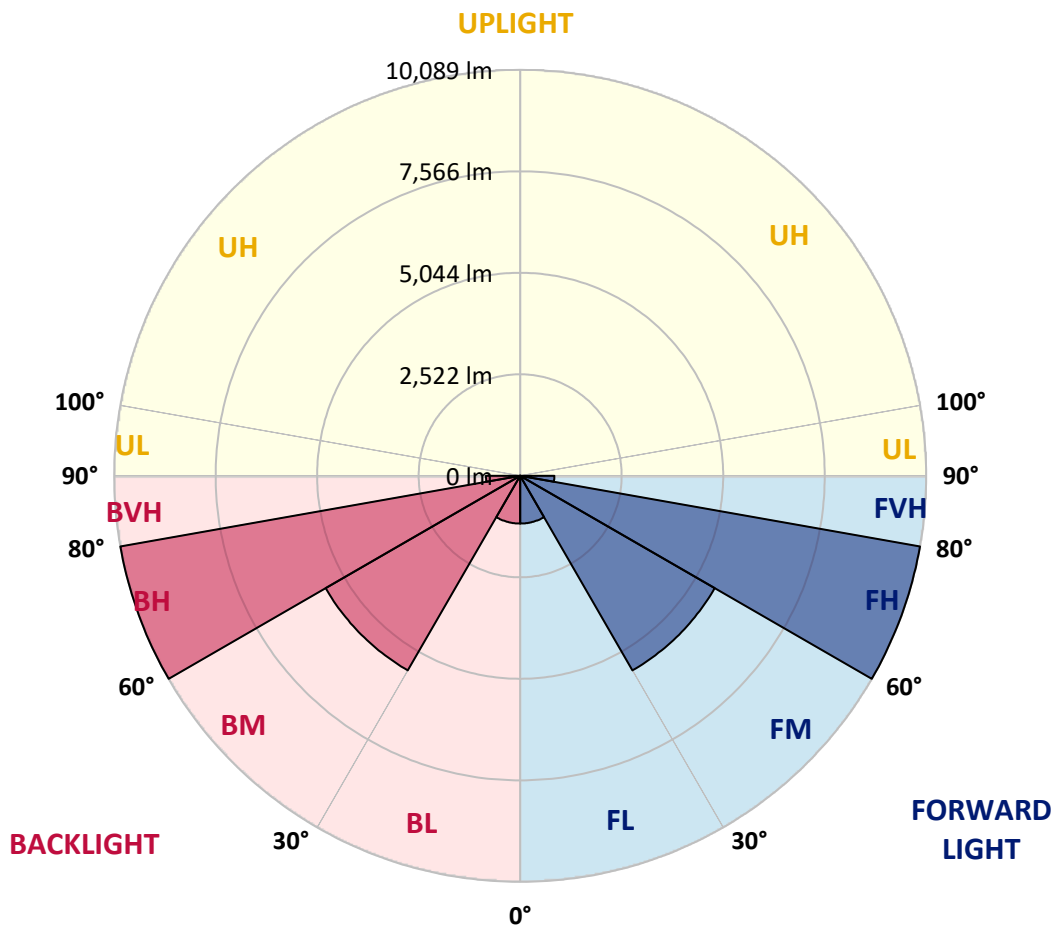
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1187.2	3.4			
FM (30°-60°)	5582.1	15.8			
FH (60°-80°)	10088.6	28.5			G4/12000
FVH (80°-90°)	850.6	2.4			G5
BL (0°-30°)	1187.2	3.4	B3/2500		
BM (30°-60°)	5582.1	15.8	B4/8500		
BH (60°-80°)	10088.6	28.5	B5		G4/12000
BVH (80°-90°)	850.6	2.4			G5
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2930.8	2930.8	2930.8	2930.8	2930.8	2930.8	2930.8	2930.8	2930.8	2930.8	2930.8
2.5°	2912.7	2912.7	2912.7	2908.2	2899.1	2894.6	2885.6	2890.1	2890.1	2890.1	2890.1
5°	2876.5	2876.5	2872.0	2867.5	2858.4	2853.9	2844.9	2853.9	2853.9	2853.9	2853.9
7.5°	2808.7	2813.2	2813.2	2808.7	2795.1	2790.6	2777.0	2781.5	2781.5	2786.1	2781.5
10°	2772.5	2772.5	2768.0	2745.4	2722.7	2713.7	2709.2	2722.7	2736.3	2749.9	2749.9
12.5°	2772.5	2772.5	2763.5	2727.3	2695.6	2695.6	2695.6	2713.7	2740.8	2768.0	2772.5
15°	2786.1	2786.1	2768.0	2727.3	2709.2	2713.7	2713.7	2731.8	2763.5	2799.6	2804.2
17.5°	2795.1	2795.1	2772.5	2731.8	2731.8	2745.4	2736.3	2749.9	2781.5	2822.2	2826.8
20°	2808.7	2808.7	2777.0	2745.4	2745.4	2758.9	2758.9	2772.5	2799.6	2840.3	2844.9
22.5°	2835.8	2831.3	2799.6	2772.5	2772.5	2781.5	2790.6	2808.7	2831.3	2867.5	2876.5
25°	2867.5	2867.5	2840.3	2835.8	2844.9	2867.5	2863.0	2858.4	2867.5	2899.1	2912.7
27.5°	2885.6	2885.6	2867.5	2881.0	2917.2	2935.3	2912.7	2894.6	2894.6	2926.3	2930.8
30°	2944.4	2939.8	2921.8	2930.8	2962.5	2971.5	2957.9	2935.3	2948.9	2985.1	2989.6
32.5°	3043.9	3043.9	3016.7	3016.7	3039.3	3075.5	3030.3	3016.7	3034.8	3075.5	3080.0
35°	3197.6	3197.6	3161.5	3143.4	3161.5	3211.2	3143.4	3138.8	3170.5	3215.7	3220.3
37.5°	3392.1	3392.1	3369.5	3324.3	3328.8	3360.5	3301.7	3297.1	3355.9	3405.7	3405.7
40°	3636.4	3649.9	3627.3	3573.0	3554.9	3559.5	3514.2	3518.8	3586.6	3645.4	3645.4
42.5°	3939.4	3948.4	3912.3	3871.5	3848.9	3835.4	3790.1	3799.2	3880.6	3957.5	3957.5
45°	4305.7	4310.3	4274.1	4224.3	4197.2	4188.1	4142.9	4165.5	4256.0	4337.4	4332.9
47.5°	4717.3	4721.8	4685.7	4635.9	4617.8	4631.4	4586.2	4586.2	4667.6	4735.4	4726.4
50°	5183.2	5192.2	5151.5	5128.9	5115.3	5151.5	5097.2	5047.5	5101.8	5169.6	5160.6
52.5°	5698.8	5721.4	5694.2	5703.3	5753.0	5798.3	5707.8	5599.3	5626.4	5671.6	5658.1
55°	6322.9	6350.1	6359.1	6390.8	6521.9	6598.8	6449.6	6268.6	6255.1	6259.6	6237.0
57.5°	7024.0	7042.1	7100.8	7173.2	7444.6	7566.7	7331.5	7019.4	6919.9	6861.1	6847.6
60°	7729.5	7761.2	7905.9	8055.2	8471.3	8692.9	8331.1	7806.4	7593.8	7485.3	7462.7
62.5°	8439.6	8502.9	8738.1	8991.4	9597.5	9927.6	9371.3	8611.5	8303.9	8168.2	8132.1
65°	9262.8	9339.7	9624.6	9945.7	10619.6	11085.5	10411.6	9443.7	9113.5	8932.6	8887.4
67.5°	10226.1	10307.5	10538.2	10895.5	11533.2	11990.0	11393.0	10294.0	9864.3	9633.6	9597.5
70°	11017.6	11090.0	11338.7	11700.6	12175.5	12695.6	12125.7	10972.4	10583.4	10420.6	10398.0
72.5°	10895.5	10990.5	11356.8	11899.6	12578.0	13166.0	12446.8	11103.6	10542.7	10316.6	10244.2
75°	9516.0	9620.1	10054.3	11035.7	12275.0	13152.4	11981.0	10230.6	9570.3	9380.4	9344.2
77.5°	6300.3	6399.8	7132.5	8679.3	10719.1	11985.5	10574.4	8570.8	7507.9	7051.1	7024.0
80°	2546.4	2673.0	3374.0	5015.8	7598.4	9317.0	7842.6	5486.2	3699.7	2985.1	2840.3
82.5°	592.5	705.6	1026.7	1849.8	3889.6	5802.8	4228.8	2048.8	1189.5	845.8	759.8
85°	248.8	253.3	438.7	601.5	1216.6	2342.8	1384.0	746.3	606.1	443.2	434.2
87.5°	95.0	99.5	212.6	253.3	389.0	443.2	470.4	384.4	357.3	221.6	212.6
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)