

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: P400289

Luminaire Tested: **ARCH-L-PA3-260-740-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P400289
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-PA3-260-740-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 4000K, 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: 35418 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

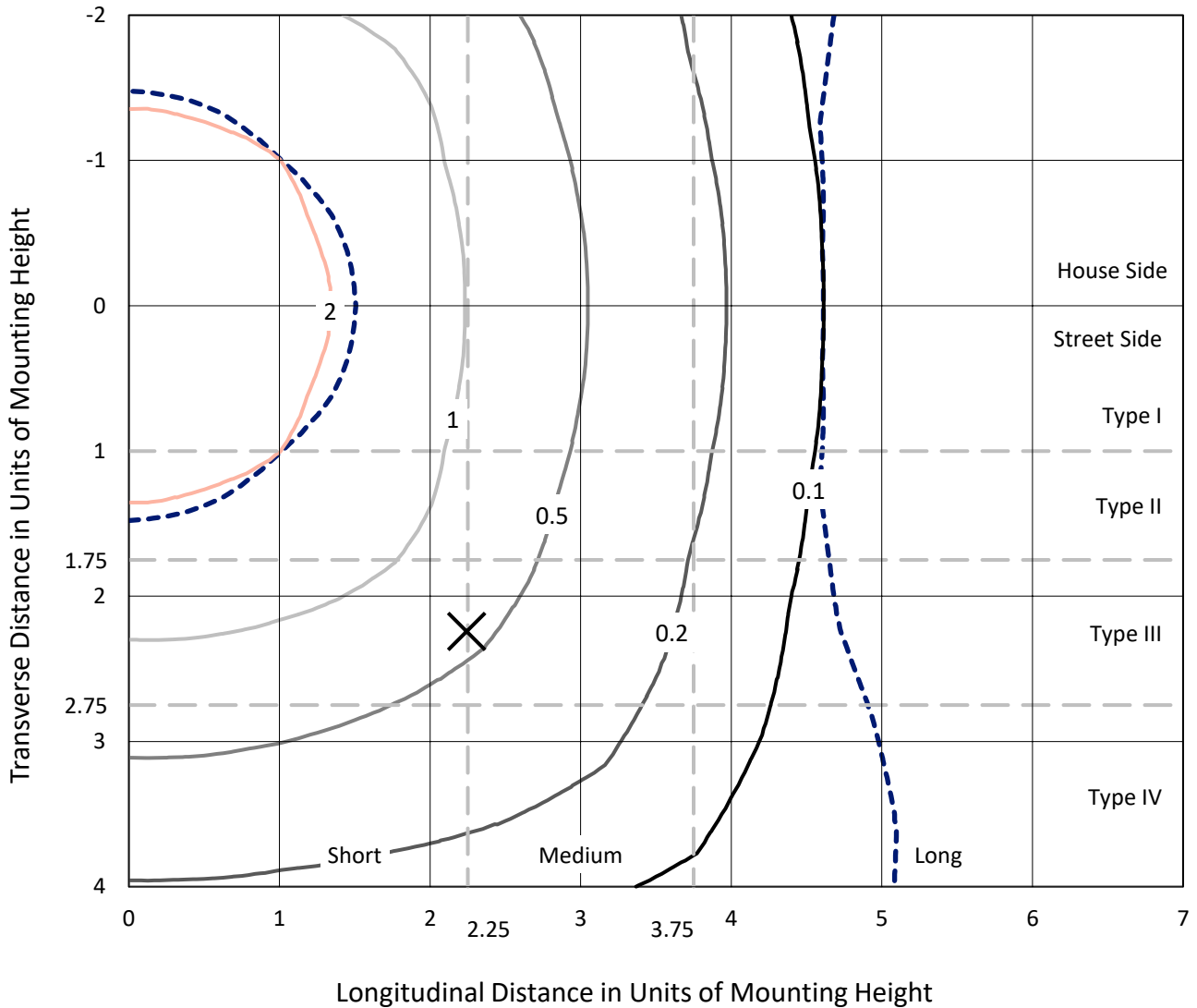
Input Watts (W): 261
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

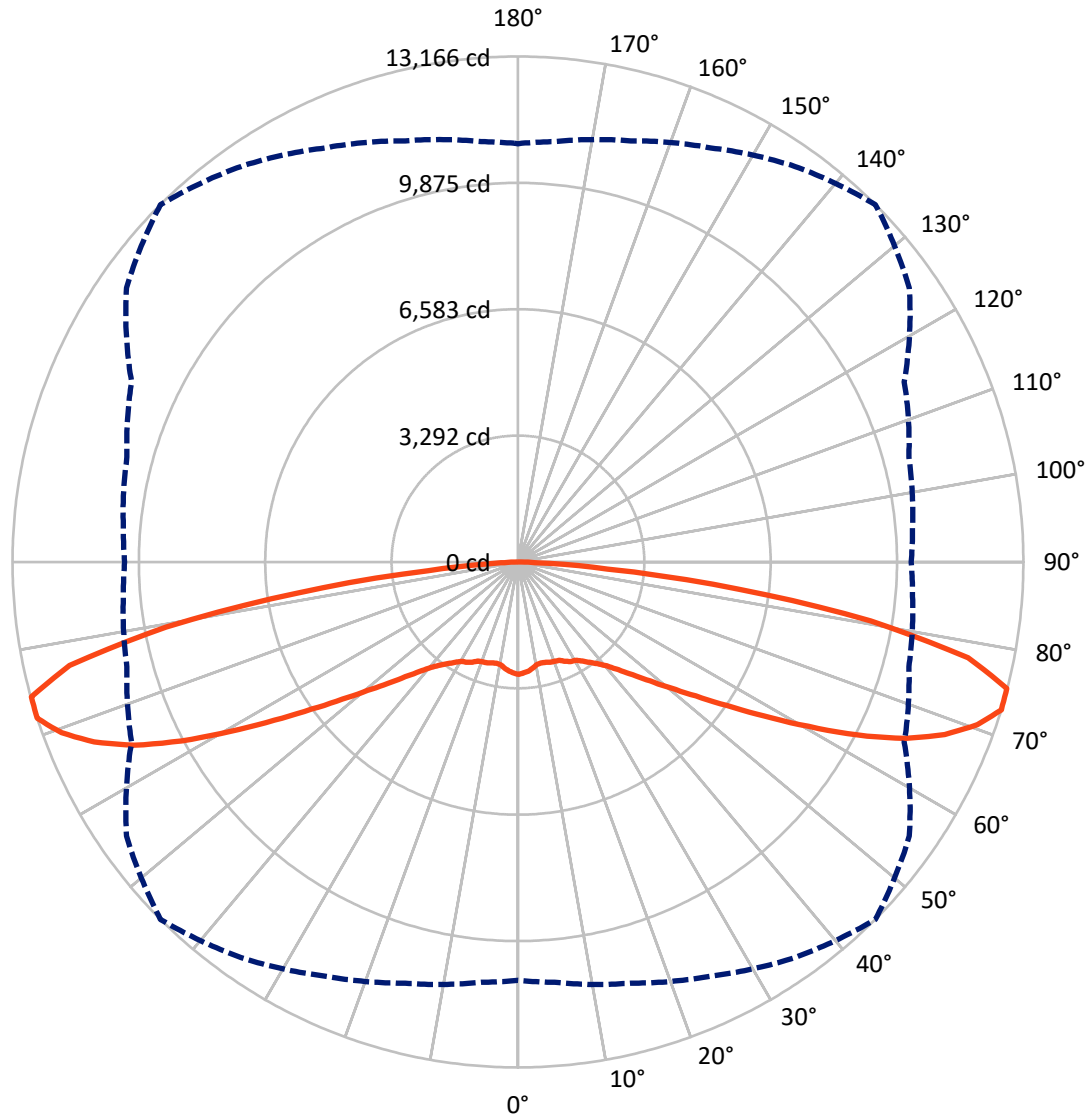
✕ Max cd
 - - - 1/2 Max cd



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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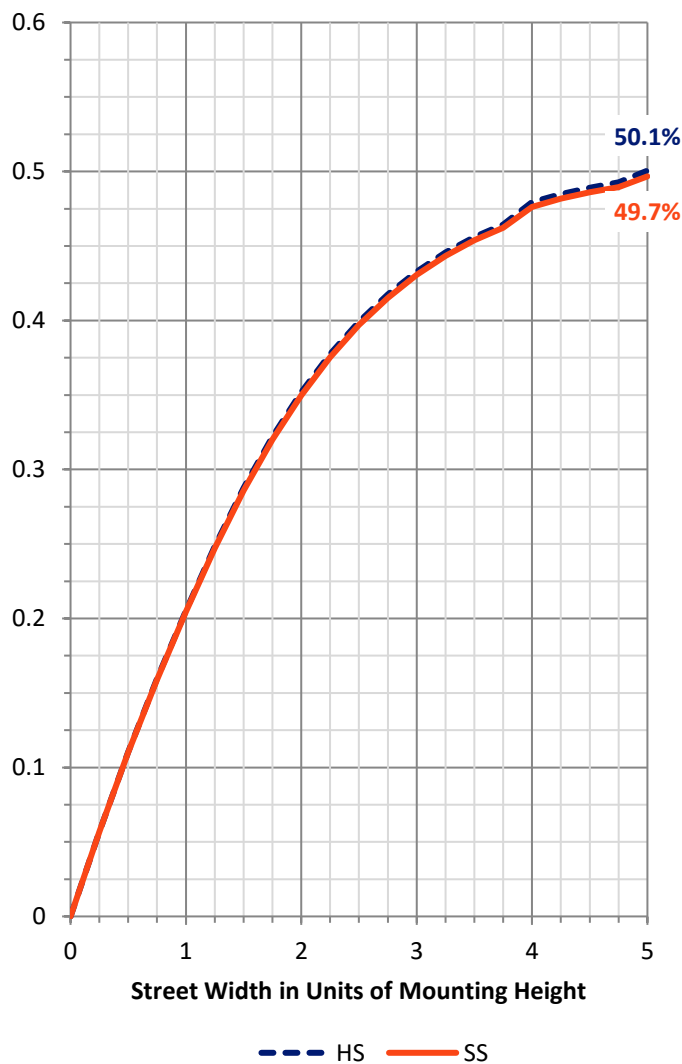
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17709.0	0.0	17709.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17709.0	0.0	17709.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35418.0	0.0	35418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.8	0.8
10°-20°	780.1	2.2
20°-30°	1325.5	3.7
30°-40°	2021.8	5.7
40°-50°	3329.1	9.4
50°-60°	5813.6	16.4
60°-70°	9746.7	27.5
70°-80°	10431.0	29.5
80°-90°	1701.3	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°	35418.0	100.0
0°-180°	35418.0	100.0

Coefficient of Utilization

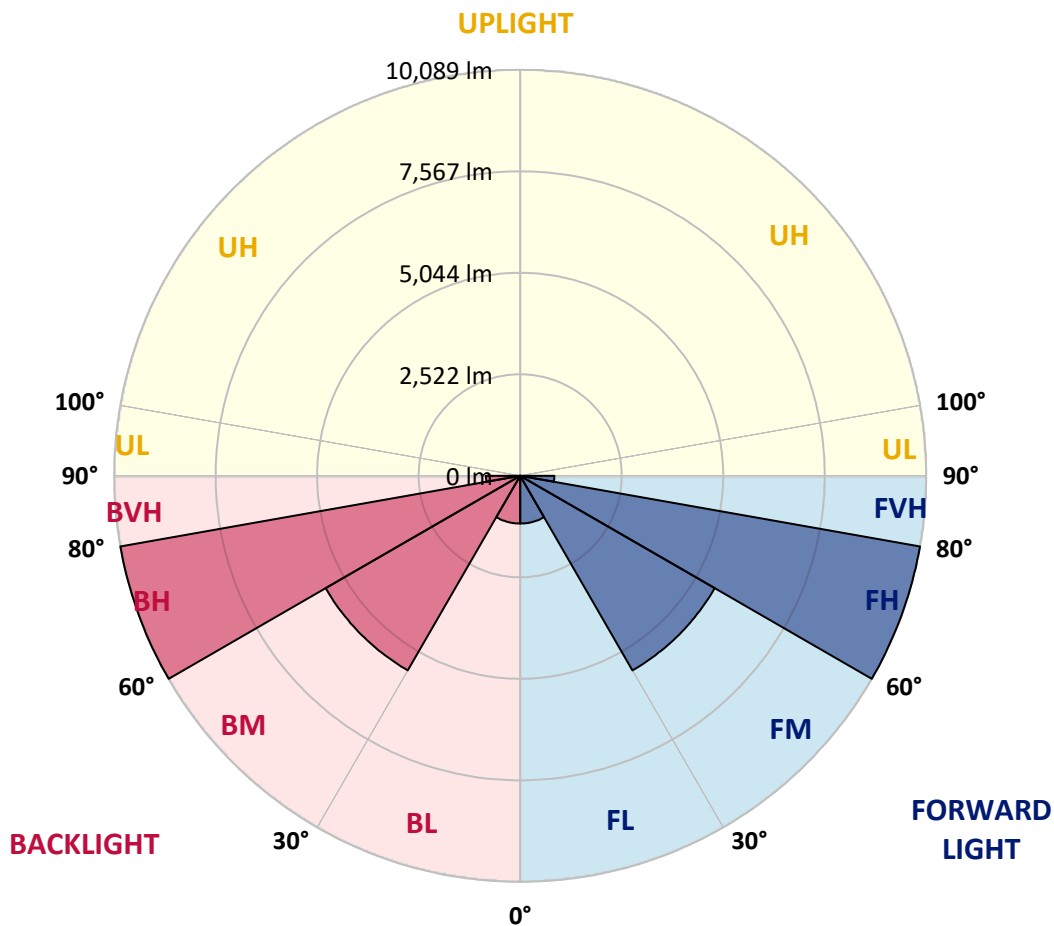


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1187.2	3.4			
FM (30°-60°)	5582.3	15.8			
FH (60°-80°)	10088.9	28.5			G4/12000
FVH (80°-90°)	850.6	2.4			G5
BL (0°-30°)	1187.2	3.4	B3/2500		
BM (30°-60°)	5582.3	15.8	B4/8500		
BH (60°-80°)	10088.9	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°	2930.9	2930.9	2930.9	2930.9	2930.9	2930.9	2930.9	2930.9	2930.9	2930.9	2930.9
2.5°	2912.8	2912.8	2912.8	2908.3	2899.2	2894.7	2885.6	2890.2	2890.2	2890.2	2890.2
5°	2876.6	2876.6	2872.1	2867.6	2858.5	2854.0	2844.9	2854.0	2854.0	2854.0	2854.0
7.5°	2808.8	2813.3	2813.3	2808.8	2795.2	2790.7	2777.1	2781.6	2781.6	2786.1	2781.6
10°	2772.6	2772.6	2768.1	2745.4	2722.8	2713.8	2709.3	2722.8	2736.4	2750.0	2750.0
12.5°	2772.6	2772.6	2763.5	2727.3	2695.7	2695.7	2695.7	2713.8	2740.9	2768.1	2772.6
15°	2786.1	2786.1	2768.1	2727.3	2709.3	2713.8	2713.8	2731.9	2763.5	2799.7	2804.2
17.5°	2795.2	2795.2	2772.6	2731.9	2731.9	2745.4	2736.4	2750.0	2781.6	2822.3	2826.9
20°	2808.8	2808.8	2777.1	2745.4	2745.4	2759.0	2759.0	2772.6	2799.7	2840.4	2844.9
22.5°	2835.9	2831.4	2799.7	2772.6	2772.6	2781.6	2790.7	2808.8	2831.4	2867.6	2876.6
25°	2867.6	2867.6	2840.4	2835.9	2844.9	2867.6	2863.0	2858.5	2867.6	2899.2	2912.8
27.5°	2885.6	2885.6	2867.6	2881.1	2917.3	2935.4	2912.8	2894.7	2894.7	2926.4	2930.9
30°	2944.4	2939.9	2921.8	2930.9	2962.5	2971.6	2958.0	2935.4	2949.0	2985.2	2989.7
32.5°	3044.0	3044.0	3016.8	3016.8	3039.4	3075.6	3030.4	3016.8	3034.9	3075.6	3080.1
35°	3197.7	3197.7	3161.5	3143.5	3161.5	3211.3	3143.5	3138.9	3170.6	3215.8	3220.3
37.5°	3392.2	3392.2	3369.6	3324.4	3328.9	3360.6	3301.8	3297.2	3356.0	3405.8	3405.8
40°	3636.5	3650.0	3627.4	3573.1	3555.0	3559.6	3514.3	3518.9	3586.7	3645.5	3645.5
42.5°	3939.5	3948.5	3912.4	3871.7	3849.0	3835.5	3790.2	3799.3	3880.7	3957.6	3957.6
45°	4305.9	4310.4	4274.2	4224.4	4197.3	4188.3	4143.0	4165.6	4256.1	4337.5	4333.0
47.5°	4717.4	4722.0	4685.8	4636.0	4617.9	4631.5	4586.3	4586.3	4667.7	4735.5	4726.5
50°	5183.3	5192.4	5151.7	5129.0	5115.5	5151.7	5097.4	5047.6	5101.9	5169.7	5160.7
52.5°	5698.9	5721.5	5694.4	5703.5	5753.2	5798.4	5708.0	5599.4	5626.6	5671.8	5658.2
55°	6323.1	6350.2	6359.3	6390.9	6522.1	6599.0	6449.7	6268.8	6255.3	6259.8	6237.2
57.5°	7024.2	7042.3	7101.0	7173.4	7444.8	7566.9	7331.7	7019.6	6920.1	6861.3	6847.8
60°	7729.7	7761.4	7906.1	8055.4	8471.5	8693.1	8331.3	7806.6	7594.1	7485.5	7462.9
62.5°	8439.8	8503.2	8738.4	8991.6	9597.7	9927.9	9371.6	8611.7	8304.2	8168.5	8132.3
65°	9263.0	9339.9	9624.9	9946.0	10619.9	11085.8	10411.9	9443.9	9113.8	8932.8	8887.6
67.5°	10226.4	10307.8	10538.5	10895.8	11533.6	11990.4	11393.3	10294.3	9864.6	9633.9	9597.7
70°	11017.9	11090.3	11339.1	11700.9	12175.8	12696.0	12126.1	10972.7	10583.7	10420.9	10398.3
72.5°	10895.8	10990.8	11357.2	11899.9	12578.4	13166.3	12447.2	11103.9	10543.0	10316.9	10244.5
75°	9516.3	9620.3	10054.5	11036.0	12275.3	13152.8	11981.3	10230.9	9570.6	9380.6	9344.4
77.5°	6300.5	6400.0	7132.7	8679.6	10719.4	11985.8	10574.7	8571.0	7508.1	7051.3	7024.2
80°	2546.4	2673.1	3374.1	5016.0	7598.6	9317.3	7842.8	5486.4	3699.8	2985.2	2840.4
82.5°	592.5	705.6	1026.7	1849.9	3889.7	5803.0	4229.0	2048.9	1189.5	845.8	759.9
85°	248.8	253.3	438.7	601.6	1216.7	2342.9	1384.0	746.3	606.1	443.3	434.2
87.5°	95.0	99.5	212.6	253.3	389.0	443.3	470.4	384.5	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)