

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: P400280

Luminaire Tested: **ARCH-L-PA3-260-730-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P400280
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-PA3-260-730-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 3000K, 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: 32254 lumens
Efficiency: N/A
Efficacy: 123.6 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

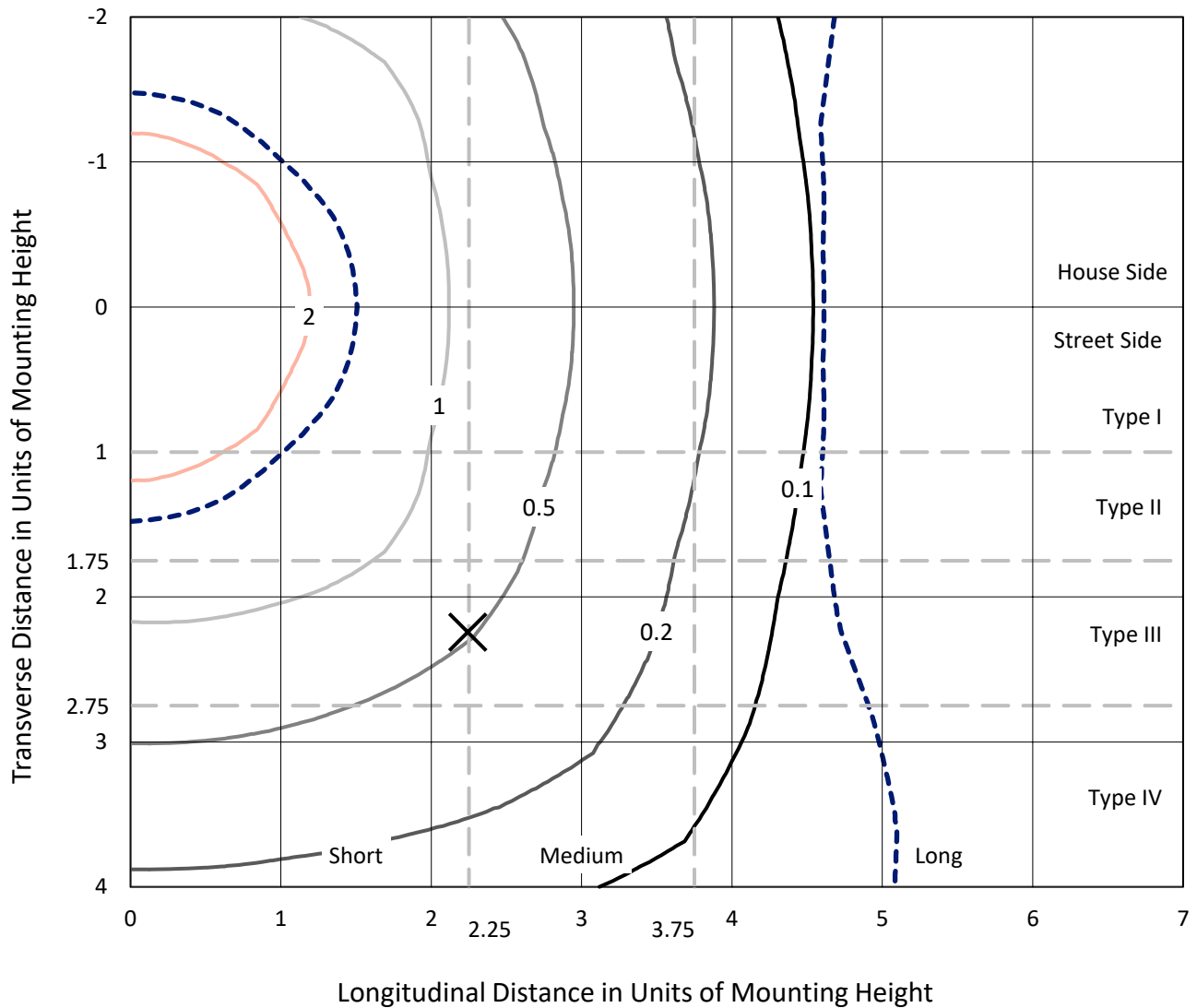
Input Watts (W): 261
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

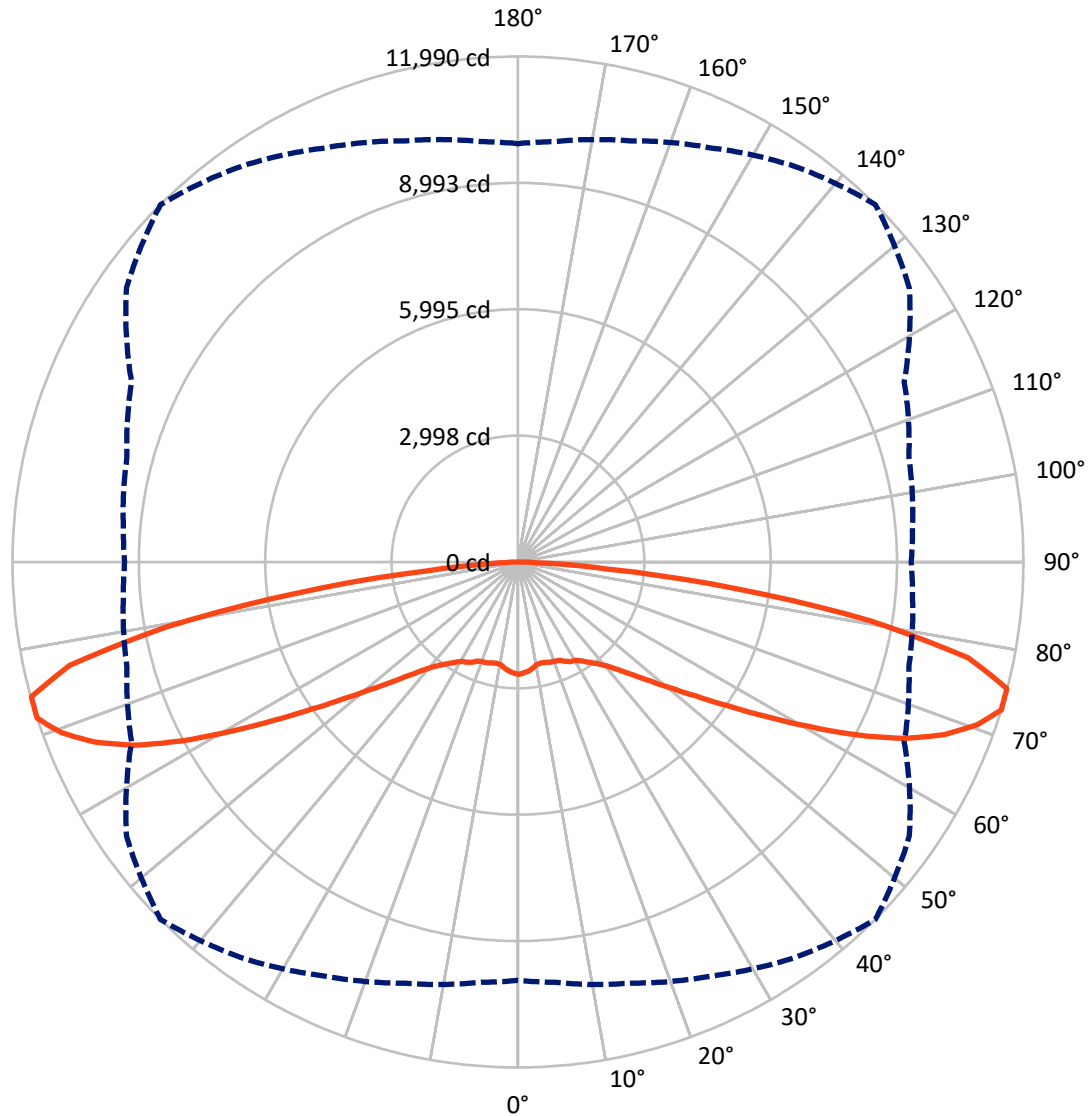
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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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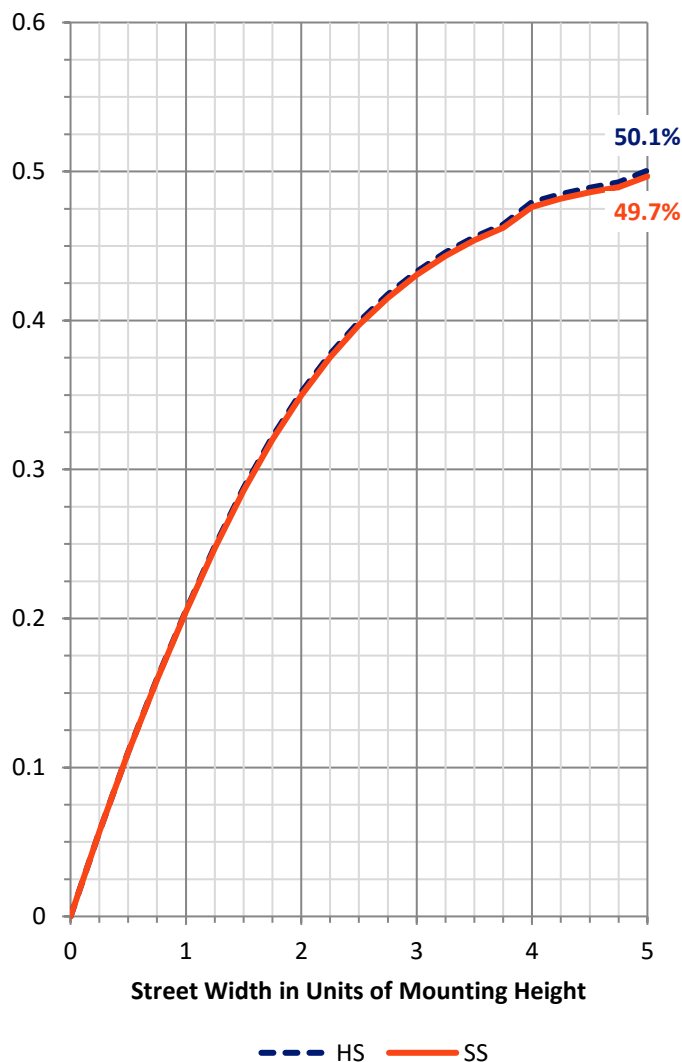
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16127.0	0.0	16127.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16127.0	0.0	16127.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32254.0	0.0	32254.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.7	0.8
10°-20°	710.4	2.2
20°-30°	1207.1	3.7
30°-40°	1841.2	5.7
40°-50°	3031.7	9.4
50°-60°	5294.3	16.4
60°-70°	8876.0	27.5
70°-80°	9499.2	29.5
80°-90°	1549.3	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°	32254.0	100.0
0°-180°	32254.0	100.0

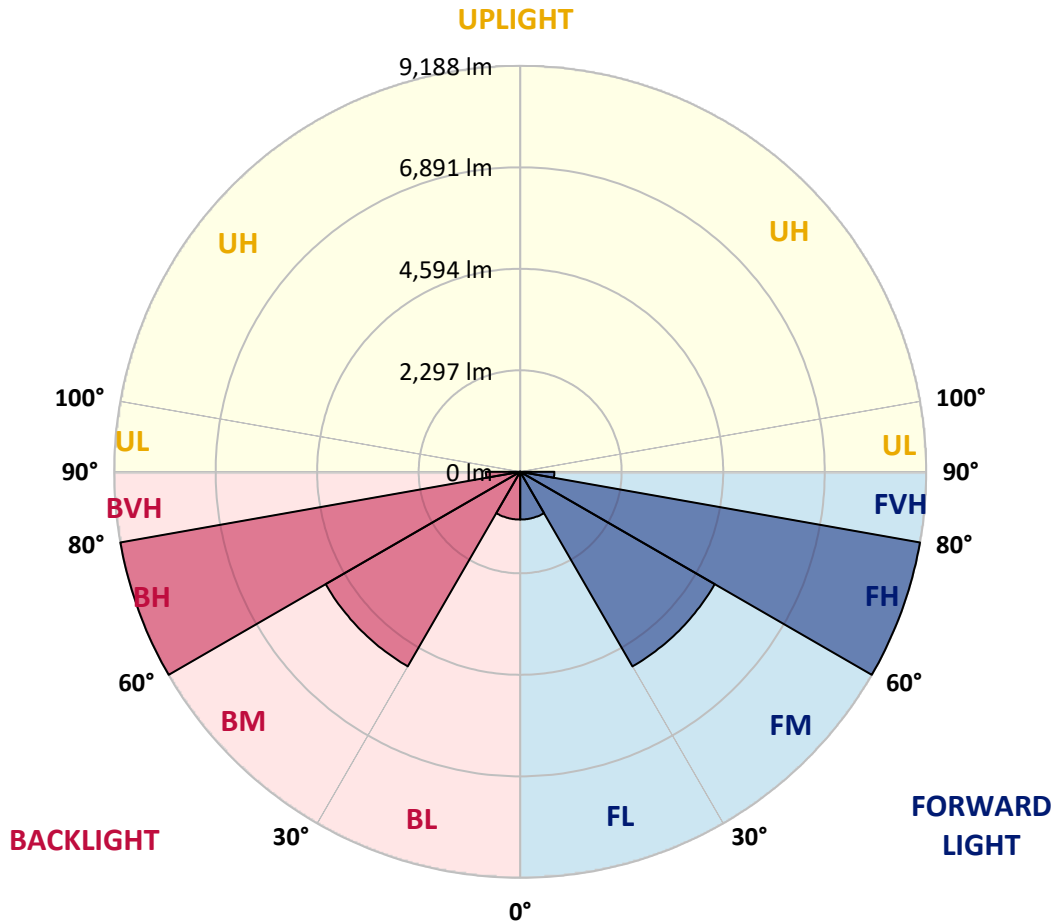


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1081.2	3.4			
FM (30°-60°)	5083.6	15.8			
FH (60°-80°)	9187.6	28.5			G4/12000
FVH (80°-90°)	774.7	2.4			G5
BL (0°-30°)	1081.2	3.4	B3/2500		
BM (30°-60°)	5083.6	15.8	B4/8500		
BH (60°-80°)	9187.6	28.5	B5		G4/12000
BVH (80°-90°)	774.7	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°	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1
2.5°	2652.6	2652.6	2652.6	2648.5	2640.2	2636.1	2627.9	2632.0	2632.0	2632.0	2632.0
5°	2619.6	2619.6	2615.5	2611.4	2603.2	2599.0	2590.8	2599.0	2599.0	2599.0	2599.0
7.5°	2557.8	2562.0	2562.0	2557.8	2545.5	2541.4	2529.0	2533.1	2533.1	2537.2	2533.1
10°	2524.9	2524.9	2520.8	2500.2	2479.6	2471.3	2467.2	2479.6	2491.9	2504.3	2504.3
12.5°	2524.9	2524.9	2516.7	2483.7	2454.9	2454.9	2454.9	2471.3	2496.1	2520.8	2524.9
15°	2537.2	2537.2	2520.8	2483.7	2467.2	2471.3	2471.3	2487.8	2516.7	2549.6	2553.7
17.5°	2545.5	2545.5	2524.9	2487.8	2487.8	2500.2	2491.9	2504.3	2533.1	2570.2	2574.3
20°	2557.8	2557.8	2529.0	2500.2	2500.2	2512.5	2512.5	2524.9	2549.6	2586.7	2590.8
22.5°	2582.6	2578.4	2549.6	2524.9	2524.9	2533.1	2541.4	2557.8	2578.4	2611.4	2619.6
25°	2611.4	2611.4	2586.7	2582.6	2590.8	2611.4	2607.3	2603.2	2611.4	2640.2	2652.6
27.5°	2627.9	2627.9	2611.4	2623.7	2656.7	2673.2	2652.6	2636.1	2636.1	2664.9	2669.1
30°	2681.4	2677.3	2660.8	2669.1	2697.9	2706.1	2693.8	2673.2	2685.5	2718.5	2722.6
32.5°	2772.0	2772.0	2747.3	2747.3	2767.9	2800.9	2759.7	2747.3	2763.8	2800.9	2805.0
35°	2912.1	2912.1	2879.1	2862.6	2879.1	2924.4	2862.6	2858.5	2887.4	2928.5	2932.7
37.5°	3089.2	3089.2	3068.6	3027.4	3031.5	3060.4	3006.8	3002.7	3056.2	3101.5	3101.5
40°	3311.6	3324.0	3303.4	3253.9	3237.5	3241.6	3200.4	3204.5	3266.3	3319.8	3319.8
42.5°	3587.6	3595.8	3562.9	3525.8	3505.2	3492.8	3451.6	3459.9	3534.0	3604.0	3604.0
45°	3921.2	3925.3	3892.4	3847.1	3822.3	3814.1	3772.9	3793.5	3875.9	3950.0	3945.9
47.5°	4296.0	4300.1	4267.2	4221.9	4205.4	4217.8	4176.6	4176.6	4250.7	4312.5	4304.3
50°	4720.3	4728.5	4691.4	4670.8	4658.5	4691.4	4642.0	4596.7	4646.1	4707.9	4699.7
52.5°	5189.8	5210.4	5185.7	5193.9	5239.3	5280.4	5198.1	5099.2	5123.9	5165.1	5152.8
55°	5758.2	5783.0	5791.2	5820.0	5939.5	6009.5	5873.6	5708.8	5696.5	5700.6	5680.0
57.5°	6396.7	6413.1	6466.7	6532.6	6779.7	6890.9	6676.8	6392.5	6301.9	6248.4	6236.0
60°	7039.2	7068.1	7199.9	7335.8	7714.7	7916.5	7587.0	7109.2	6915.7	6816.8	6796.2
62.5°	7685.9	7743.6	7957.7	8188.4	8740.3	9041.0	8534.4	7842.4	7562.3	7438.8	7405.8
65°	8435.5	8505.6	8765.0	9057.5	9671.2	10095.5	9481.7	8600.3	8299.6	8134.8	8093.7
67.5°	9312.9	9387.0	9597.1	9922.5	10503.2	10919.2	10375.5	9374.6	8983.3	8773.3	8740.3
70°	10033.7	10099.6	10326.1	10655.6	11088.1	11561.8	11042.8	9992.5	9638.3	9490.0	9469.4
72.5°	9922.5	10009.0	10342.6	10836.9	11454.7	11990.2	11335.2	10111.9	9601.2	9395.2	9329.3
75°	8666.2	8760.9	9156.3	10050.1	11178.7	11977.8	10911.0	9317.0	8715.6	8542.6	8509.7
77.5°	5737.6	5828.3	6495.5	7904.2	9761.8	10915.1	9630.0	7805.3	6837.4	6421.4	6396.7
80°	2318.9	2434.3	3072.7	4567.9	6919.8	8485.0	7142.2	4996.2	3369.3	2718.5	2586.7
82.5°	539.6	642.6	935.0	1684.6	3542.3	5284.6	3851.2	1865.9	1083.3	770.2	692.0
85°	226.5	230.7	399.5	547.8	1108.0	2133.6	1260.4	679.6	551.9	403.7	395.4
87.5°	86.5	90.6	193.6	230.7	354.2	403.7	428.4	350.1	325.4	201.8	193.6
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)