

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: P400325

Luminaire Tested: **ARCH-L-PA3-260-830-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P400325
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-PA3-260-830-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 80 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: 28145 lumens
Efficiency: N/A
Efficacy: 107.8 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

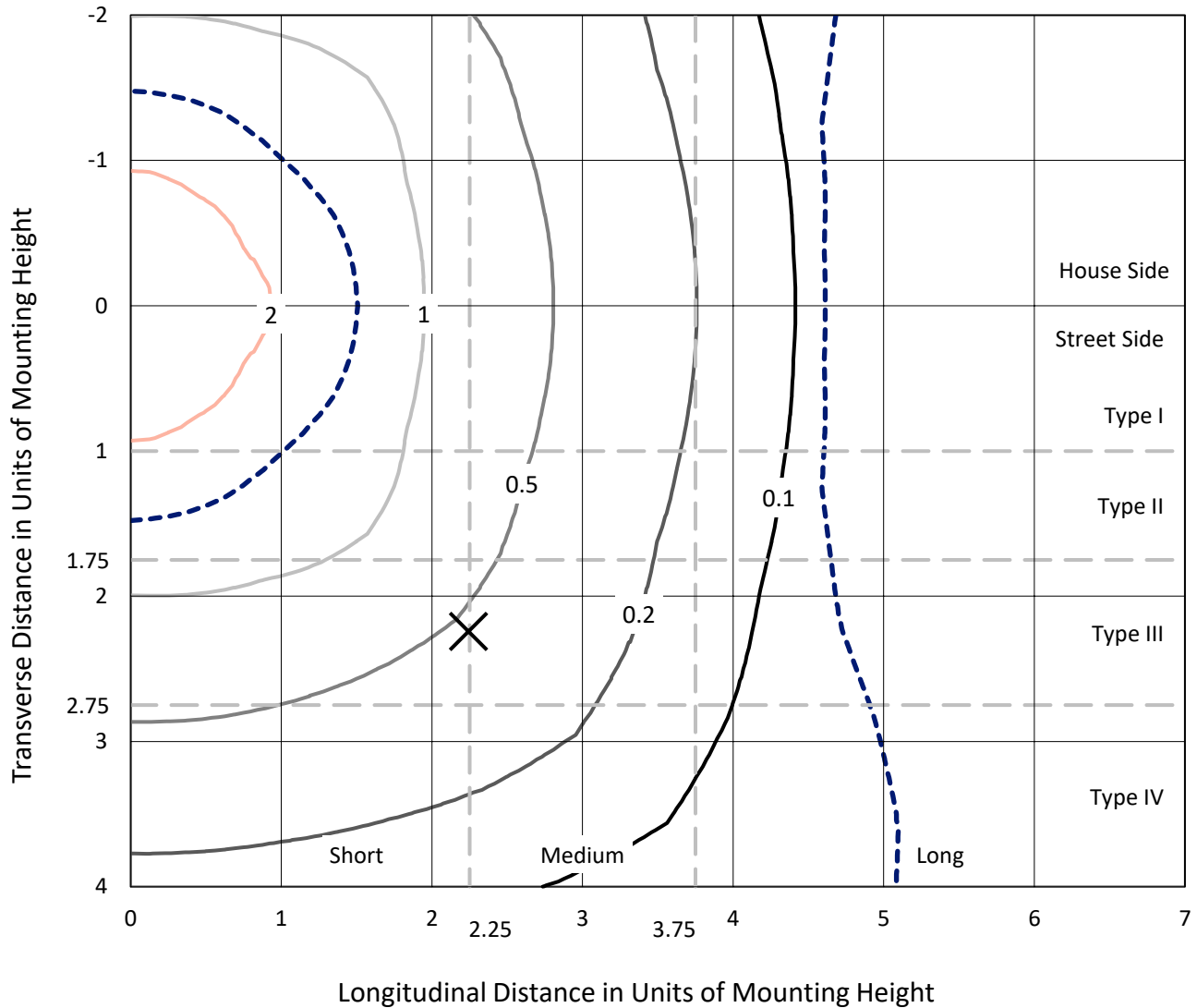
Input Watts (W): 261
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

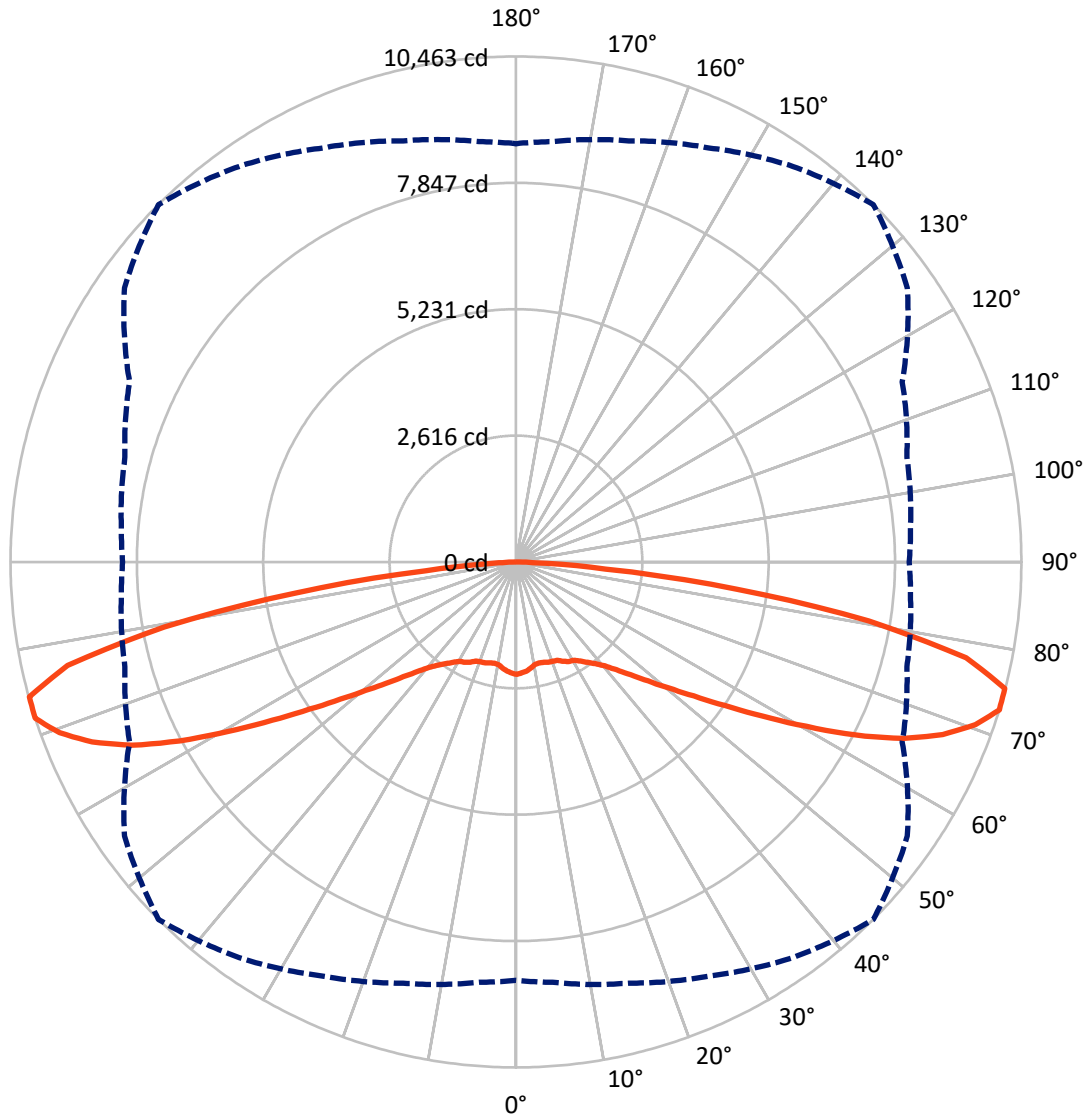
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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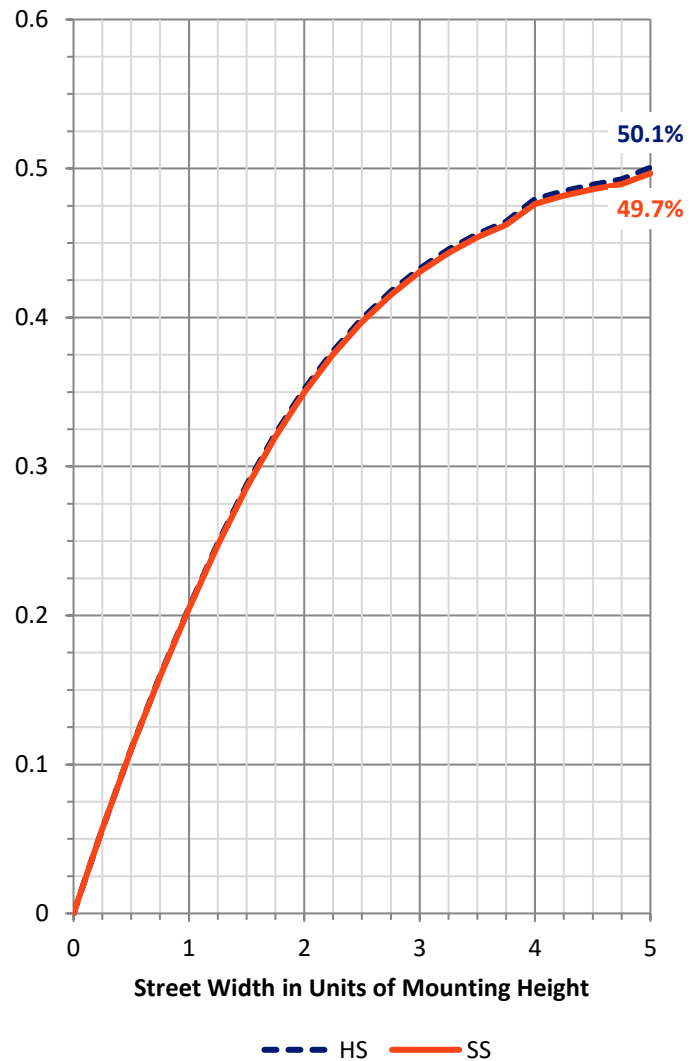
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14072.5	0.0	14072.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14072.5	0.0	14072.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28145.0	0.0	28145.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.6	0.8
10°-20°	619.9	2.2
20°-30°	1053.3	3.7
30°-40°	1606.6	5.7
40°-50°	2645.5	9.4
50°-60°	4619.8	16.4
60°-70°	7745.3	27.5
70°-80°	8289.0	29.5
80°-90°	1351.9	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°	28145.0	100.0
0°-180°	28145.0	100.0



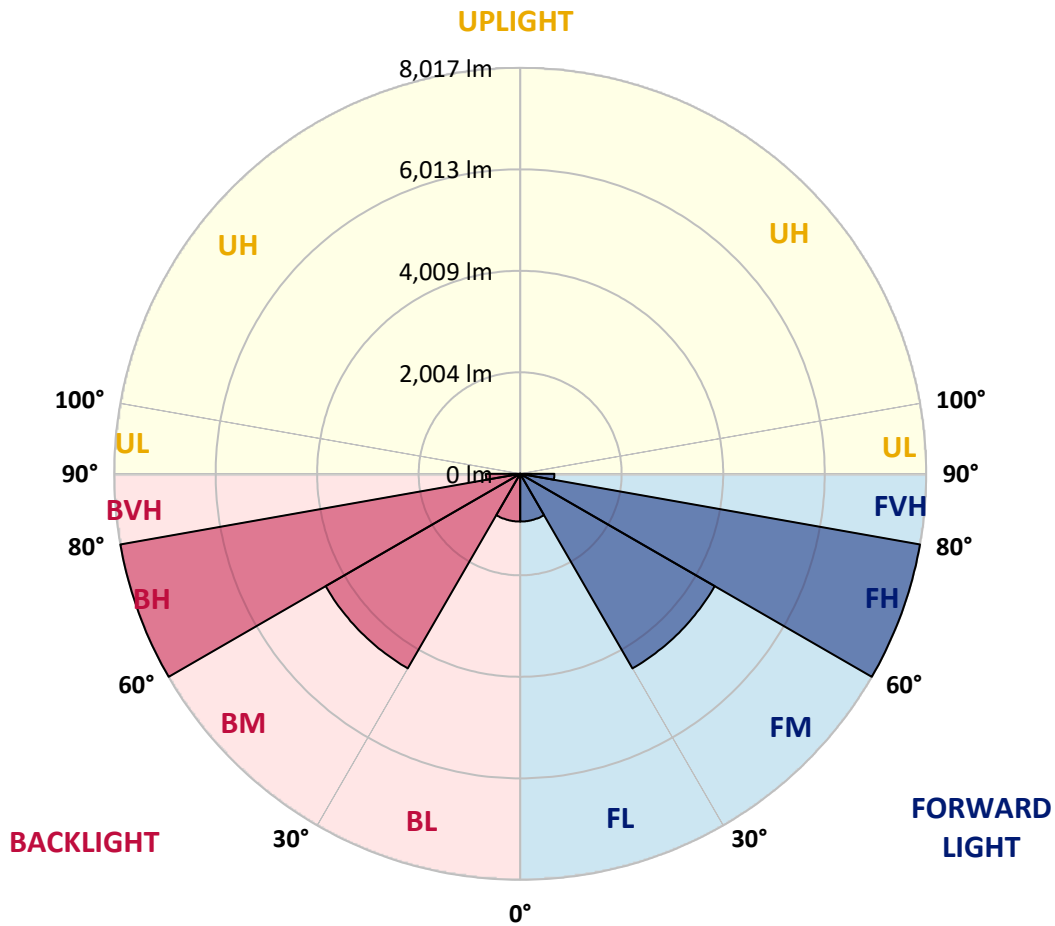
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	943.4	3.4			
FM (30°-60°)	4436.0	15.8			
FH (60°-80°)	8017.1	28.5			G4/12000
FVH (80°-90°)	676.0	2.4			G4/750
BL (0°-30°)	943.4	3.4	B2/1000		
BM (30°-60°)	4436.0	15.8	B3/5000		
BH (60°-80°)	8017.1	28.5	B5		G4/12000
BVH (80°-90°)	676.0	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°	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0
2.5°	2314.7	2314.7	2314.7	2311.1	2303.9	2300.3	2293.1	2296.7	2296.7	2296.7	2296.7
5°	2285.9	2285.9	2282.3	2278.7	2271.5	2267.9	2260.7	2267.9	2267.9	2267.9	2267.9
7.5°	2232.0	2235.6	2235.6	2232.0	2221.2	2217.6	2206.8	2210.4	2210.4	2214.0	2210.4
10°	2203.2	2203.2	2199.6	2181.7	2163.7	2156.5	2152.9	2163.7	2174.5	2185.3	2185.3
12.5°	2203.2	2203.2	2196.0	2167.3	2142.1	2142.1	2142.1	2156.5	2178.1	2199.6	2203.2
15°	2214.0	2214.0	2199.6	2167.3	2152.9	2156.5	2156.5	2170.9	2196.0	2224.8	2228.4
17.5°	2221.2	2221.2	2203.2	2170.9	2170.9	2181.7	2174.5	2185.3	2210.4	2242.8	2246.4
20°	2232.0	2232.0	2206.8	2181.7	2181.7	2192.5	2192.5	2203.2	2224.8	2257.1	2260.7
22.5°	2253.6	2250.0	2224.8	2203.2	2203.2	2210.4	2217.6	2232.0	2250.0	2278.7	2285.9
25°	2278.7	2278.7	2257.1	2253.6	2260.7	2278.7	2275.1	2271.5	2278.7	2303.9	2314.7
27.5°	2293.1	2293.1	2278.7	2289.5	2318.2	2332.6	2314.7	2300.3	2300.3	2325.4	2329.0
30°	2339.8	2336.2	2321.8	2329.0	2354.2	2361.4	2350.6	2332.6	2343.4	2372.2	2375.8
32.5°	2418.9	2418.9	2397.3	2397.3	2415.3	2444.0	2408.1	2397.3	2411.7	2444.0	2447.6
35°	2541.1	2541.1	2512.3	2498.0	2512.3	2551.9	2498.0	2494.4	2519.5	2555.5	2559.1
37.5°	2695.6	2695.6	2677.7	2641.7	2645.3	2670.5	2623.8	2620.2	2666.9	2706.4	2706.4
40°	2889.7	2900.5	2882.5	2839.4	2825.0	2828.6	2792.7	2796.3	2850.2	2896.9	2896.9
42.5°	3130.5	3137.7	3109.0	3076.6	3058.6	3047.9	3011.9	3019.1	3083.8	3144.9	3144.9
45°	3421.7	3425.3	3396.5	3357.0	3335.4	3328.2	3292.3	3310.2	3382.1	3446.8	3443.2
47.5°	3748.7	3752.3	3723.6	3684.0	3669.7	3680.4	3644.5	3644.5	3709.2	3763.1	3755.9
50°	4118.9	4126.1	4093.8	4075.8	4065.0	4093.8	4050.6	4011.1	4054.2	4108.2	4101.0
52.5°	4528.7	4546.6	4525.1	4532.3	4571.8	4607.7	4535.9	4449.6	4471.2	4507.1	4496.3
55°	5024.7	5046.2	5053.4	5078.6	5182.8	5243.9	5125.3	4981.5	4970.8	4974.3	4956.4
57.5°	5581.8	5596.1	5642.9	5700.4	5916.0	6013.1	5826.2	5578.2	5499.1	5452.4	5441.6
60°	6142.5	6167.6	6282.6	6401.2	6731.9	6908.0	6620.5	6203.6	6034.6	5948.4	5930.4
62.5°	6706.7	6757.1	6944.0	7145.2	7626.9	7889.2	7447.1	6843.3	6598.9	6491.1	6462.3
65°	7360.9	7422.0	7648.4	7903.6	8439.1	8809.3	8273.8	7504.7	7242.3	7098.5	7062.6
67.5°	8126.4	8191.1	8374.4	8658.4	9165.2	9528.2	9053.7	8180.4	7838.9	7655.6	7626.9
70°	8755.4	8812.9	9010.6	9298.1	9675.5	10088.9	9636.0	8719.5	8410.4	8281.0	8263.0
72.5°	8658.4	8733.9	9025.0	9456.3	9995.4	10462.7	9891.2	8823.7	8378.0	8198.3	8140.8
75°	7562.2	7644.8	7989.9	8769.8	9754.6	10451.9	9521.0	8130.0	7605.3	7454.3	7425.6
77.5°	5006.7	5085.8	5668.0	6897.2	8518.2	9524.6	8403.2	6811.0	5966.3	5603.3	5581.8
80°	2023.5	2124.2	2681.3	3985.9	6038.2	7404.0	6232.3	4359.7	2940.0	2372.2	2257.1
82.5°	470.8	560.7	815.9	1470.0	3091.0	4611.3	3360.6	1628.2	945.3	672.1	603.8
85°	197.7	201.3	348.6	478.0	966.8	1861.8	1099.8	593.0	481.6	352.2	345.0
87.5°	75.5	79.1	168.9	201.3	309.1	352.2	373.8	305.5	283.9	176.1	168.9
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)