

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: P573354

Luminaire Tested: **ARCH-S-PA2-60-830-U-5WQ**

Issue Date: 10/13/2021

Test Information

Test Method: LM-79-08
Report Number: P573354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2108-332-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH-S-PA2-60-830-U-5WQ
Description: ARCHEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 3000K, 625mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7757 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

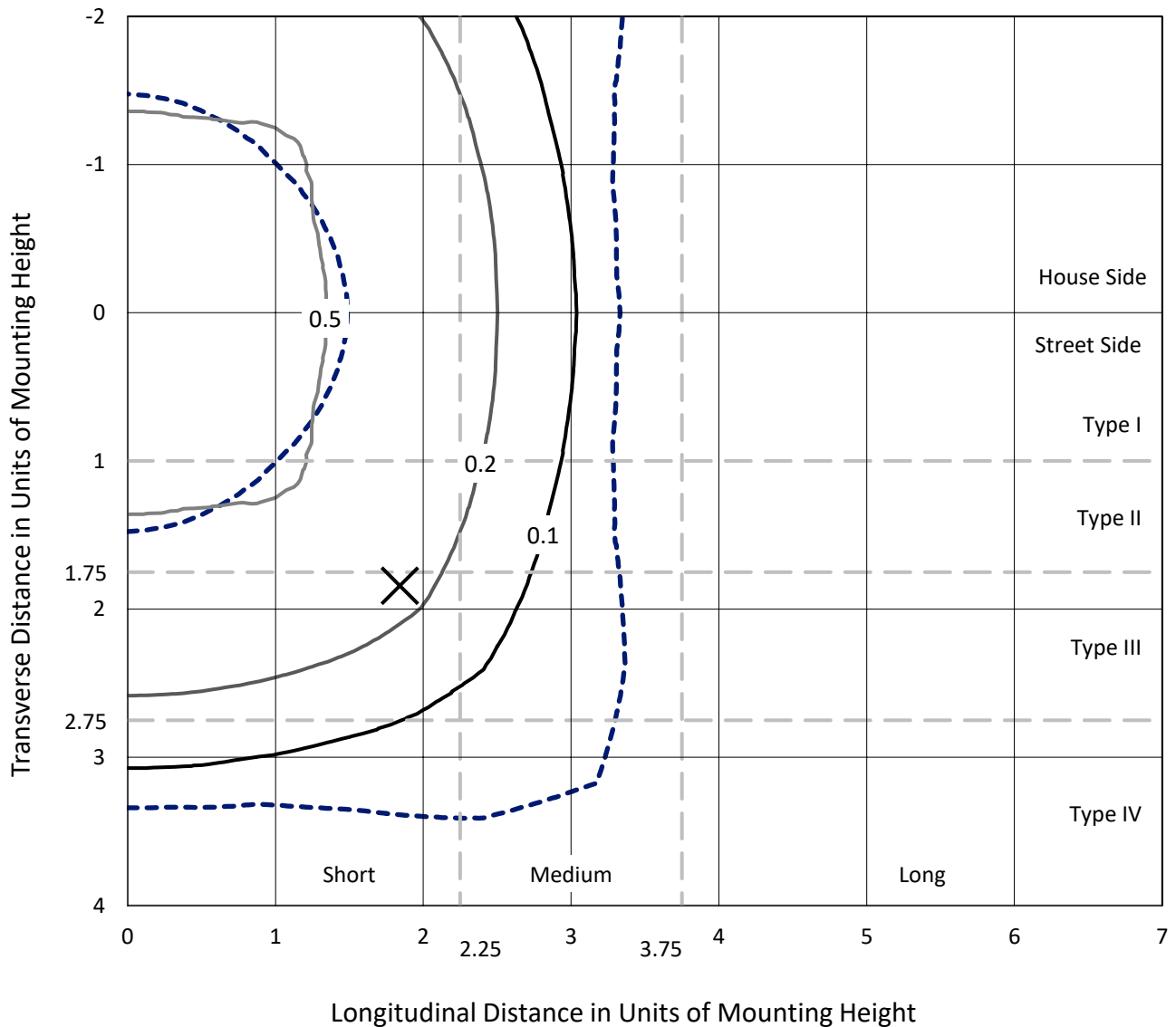
Input Watts (W): 63.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

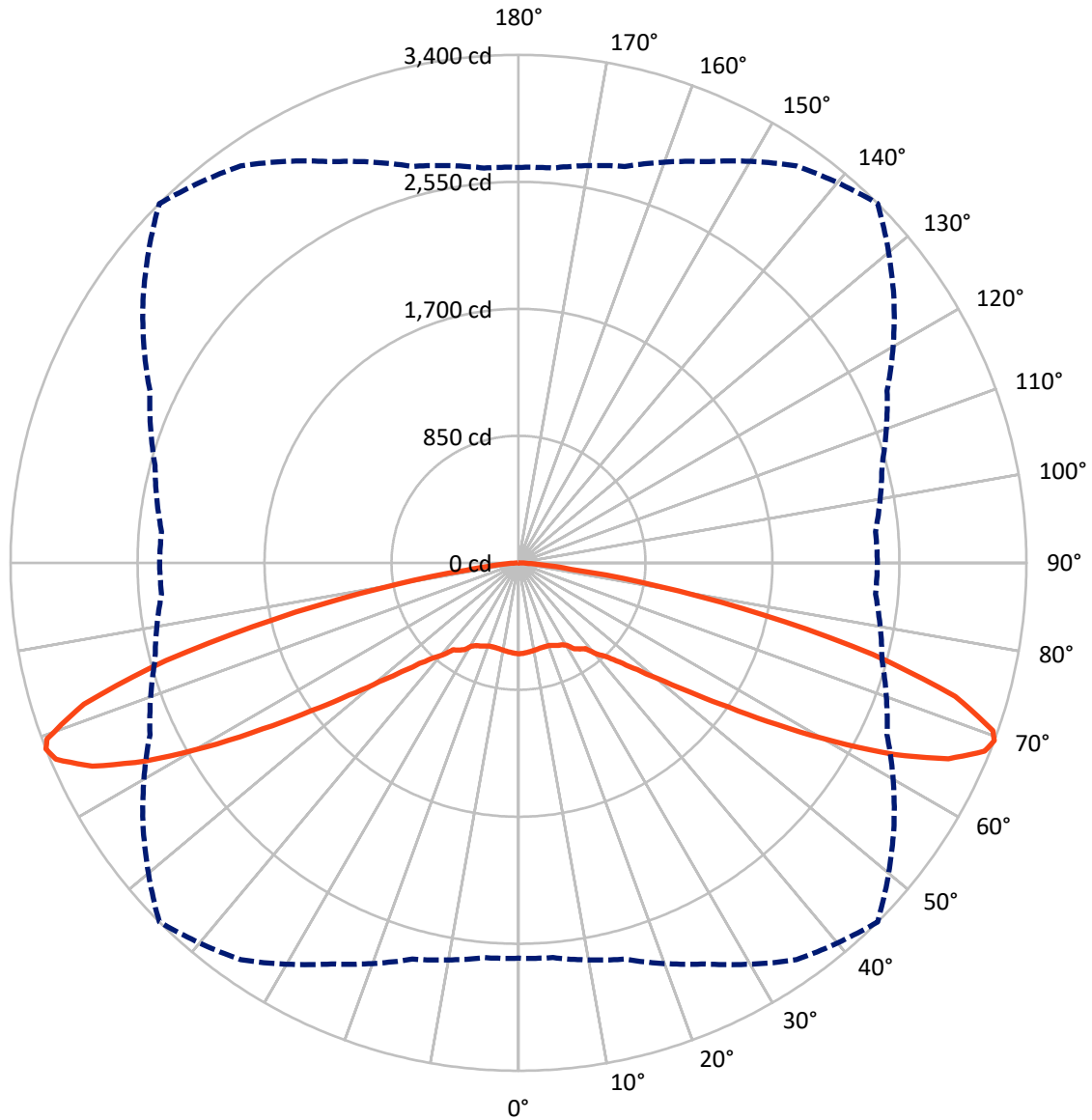
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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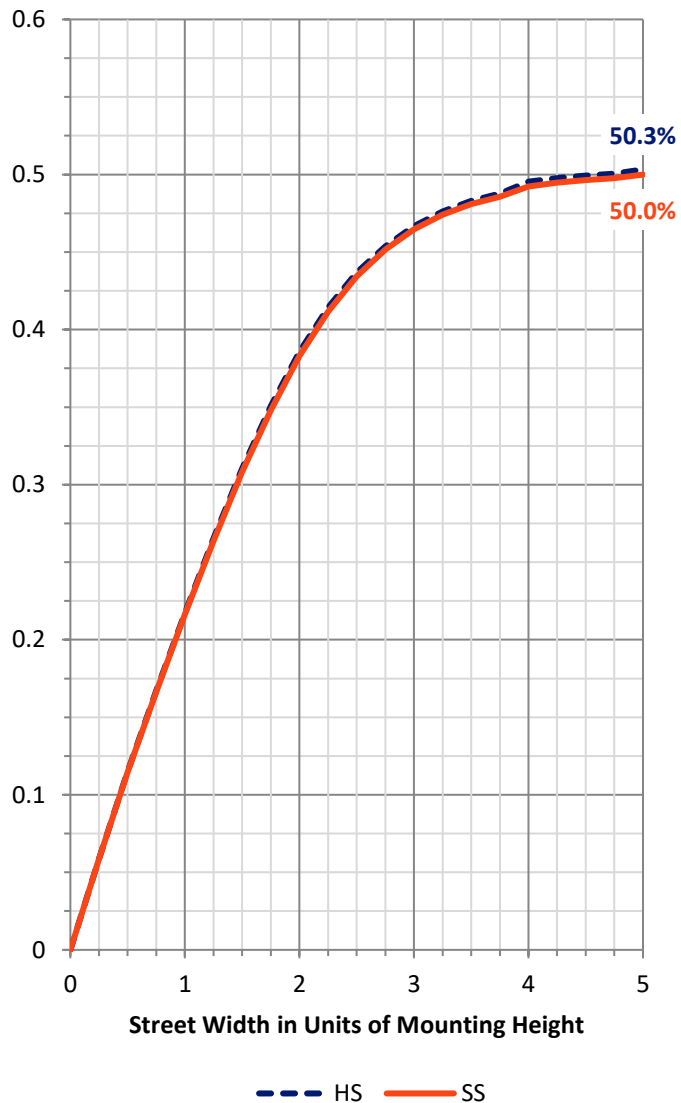
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3878.5	0.0	3878.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3878.5	0.0	3878.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7757.0	0.0	7757.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	0.7
10°-20°	168.6	2.2
20°-30°	285.9	3.7
30°-40°	444.5	5.7
40°-50°	763.1	9.8
50°-60°	1518.3	19.6
60°-70°	2704.6	34.9
70°-80°	1703.3	22.0
80°-90°	111.3	1.4
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°	7757.0	100.0
0°-180°	7757.0	100.0

Coefficient of Utilization

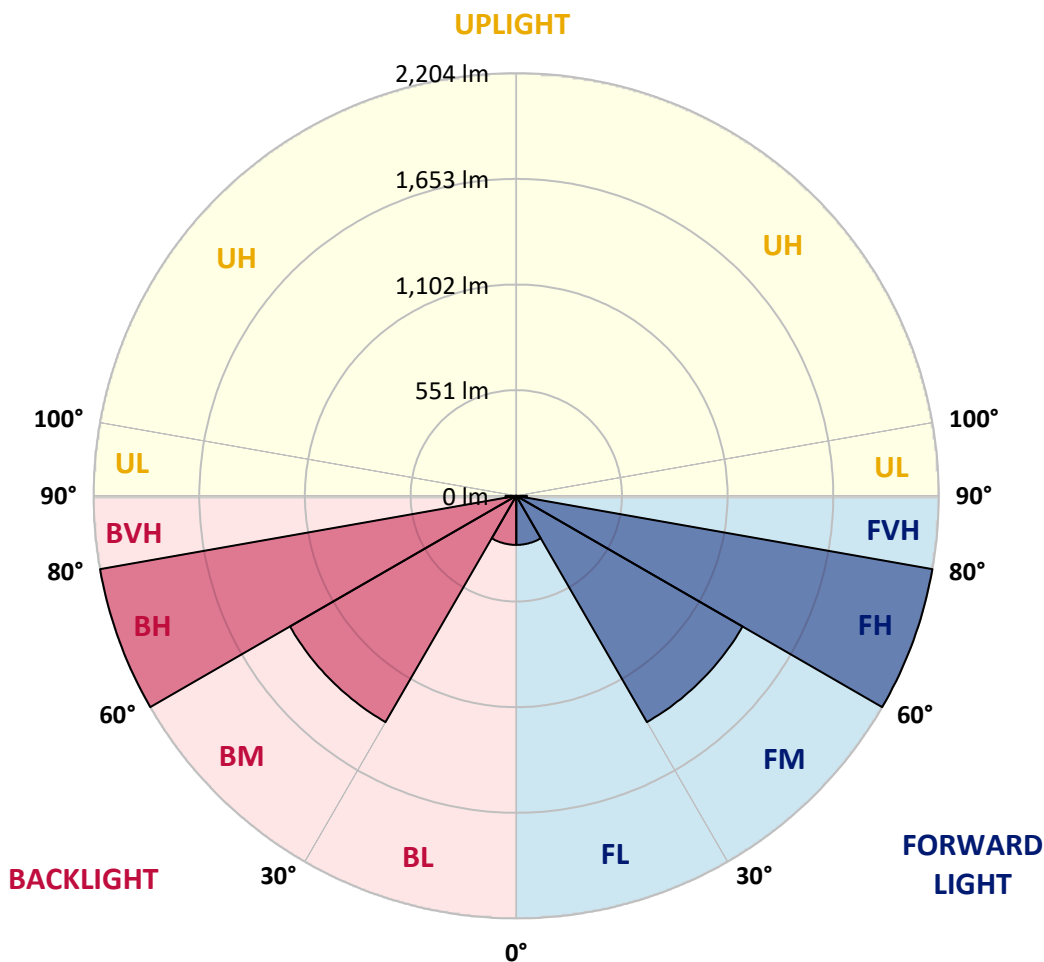


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.9	3.3			
FM (30°-60°)	1363.0	17.6			
FH (60°-80°)	2204.0	28.4			G2/5000
FVH (80°-90°)	55.6	0.7			G1/100
BL (0°-30°)	255.9	3.3	B1/500		
BM (30°-60°)	1363.0	17.6	B2/2500		
BH (60°-80°)	2204.0	28.4	B3/2500		G2/5000
BVH (80°-90°)	55.6	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	608.7	608.7	608.7	608.7	608.7	608.7	608.7	608.7	608.7	608.7	608.7
2.5°	612.8	610.7	610.7	608.7	606.7	606.7	606.7	604.6	606.7	606.7	606.7
5°	610.7	608.7	606.7	604.6	604.6	602.6	604.6	602.6	602.6	602.6	602.6
7.5°	604.6	604.6	600.6	600.6	598.5	598.5	596.5	596.5	596.5	594.5	594.5
10°	604.6	602.6	600.6	596.5	594.5	594.5	594.5	592.4	594.5	594.5	594.5
12.5°	604.6	604.6	598.5	594.5	590.4	590.4	590.4	590.4	594.5	596.5	596.5
15°	608.7	606.7	600.6	592.4	588.3	588.3	588.3	590.4	594.5	598.5	598.5
17.5°	610.7	606.7	598.5	590.4	588.3	588.3	588.3	590.4	596.5	600.6	602.6
20°	612.8	610.7	600.6	592.4	590.4	590.4	590.4	590.4	596.5	602.6	604.6
22.5°	618.9	616.8	606.7	600.6	598.5	600.6	598.5	598.5	604.6	612.8	612.8
25°	627.0	623.0	612.8	608.7	608.7	612.8	612.8	608.7	614.8	620.9	623.0
27.5°	641.3	637.2	627.0	623.0	620.9	620.9	620.9	620.9	625.0	635.2	635.2
30°	653.5	651.5	647.4	647.4	645.3	641.3	641.3	645.3	647.4	651.5	653.5
32.5°	669.8	665.7	661.6	661.6	673.8	686.1	675.9	659.6	657.6	659.6	661.6
35°	704.4	700.3	690.1	684.0	696.2	708.5	692.2	682.0	688.1	694.2	694.2
37.5°	753.2	751.2	743.1	730.9	726.8	728.8	722.7	730.9	747.1	759.4	761.4
40°	804.1	802.1	794.0	787.9	789.9	800.1	796.0	787.9	798.0	806.2	806.2
42.5°	883.5	875.4	863.2	846.9	848.9	857.1	846.9	855.0	869.3	883.5	885.6
45°	989.4	981.3	965.0	950.7	940.5	944.6	944.6	958.9	975.1	991.4	997.5
47.5°	1103.4	1101.4	1085.1	1072.9	1062.7	1068.8	1068.8	1068.8	1095.3	1111.5	1111.5
50°	1243.9	1237.8	1237.8	1227.6	1223.5	1225.6	1217.4	1225.6	1237.8	1241.8	1235.7
52.5°	1410.8	1404.7	1408.8	1412.8	1423.0	1437.3	1416.9	1414.9	1408.8	1402.7	1400.6
55°	1610.3	1616.4	1632.7	1659.2	1675.5	1704.0	1673.4	1636.8	1620.5	1604.2	1592.0
57.5°	1848.5	1858.7	1883.1	1946.2	2015.4	2041.9	1989.0	1921.8	1864.8	1818.0	1828.1
60°	2160.0	2153.9	2194.6	2280.1	2377.8	2430.7	2347.3	2237.3	2145.7	2123.3	2129.4
62.5°	2491.8	2504.0	2532.5	2646.5	2768.7	2825.7	2723.9	2561.0	2443.0	2381.9	2381.9
65°	2699.5	2707.6	2787.0	2947.8	3084.2	3161.6	3017.1	2780.9	2611.9	2510.1	2504.0
67.5°	2730.0	2738.1	2827.7	3033.3	3257.3	3365.2	3114.8	2807.4	2609.9	2485.7	2481.6
69°	2646.5	2652.6	2746.3	2962.1	3243.0	3399.8	3067.9	2721.9	2518.3	2398.2	2402.2
70°	2526.4	2550.9	2622.1	2842.0	3167.7	3369.2	2982.4	2626.2	2414.5	2318.8	2302.5
72.5°	1980.8	1997.1	2115.2	2388.0	2827.7	3057.8	2620.1	2223.1	2007.3	1907.5	1932.0
75°	1121.7	1117.7	1268.3	1659.2	2180.3	2449.1	2062.3	1600.1	1286.6	1166.5	1182.8
77.5°	427.5	445.8	547.6	851.0	1370.1	1673.4	1368.1	855.0	598.5	466.2	443.8
80°	138.4	146.6	193.4	309.4	584.3	944.6	639.2	329.8	207.7	156.8	146.6
82.5°	55.0	61.1	73.3	103.8	197.5	356.3	215.8	120.1	89.6	73.3	67.2
85°	30.5	28.5	38.7	46.8	67.2	101.8	73.3	57.0	48.9	34.6	32.6
87.5°	10.2	10.2	16.3	16.3	18.3	16.3	18.3	20.4	20.4	12.2	10.2
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)