

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: P573282

Luminaire Tested: **ARCH-S-PA2-60-722-U-5WQ**

Issue Date: 10/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P573282  
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-PA2-60-722-U-5WQ  
Description: ARCHEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 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: 7175 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

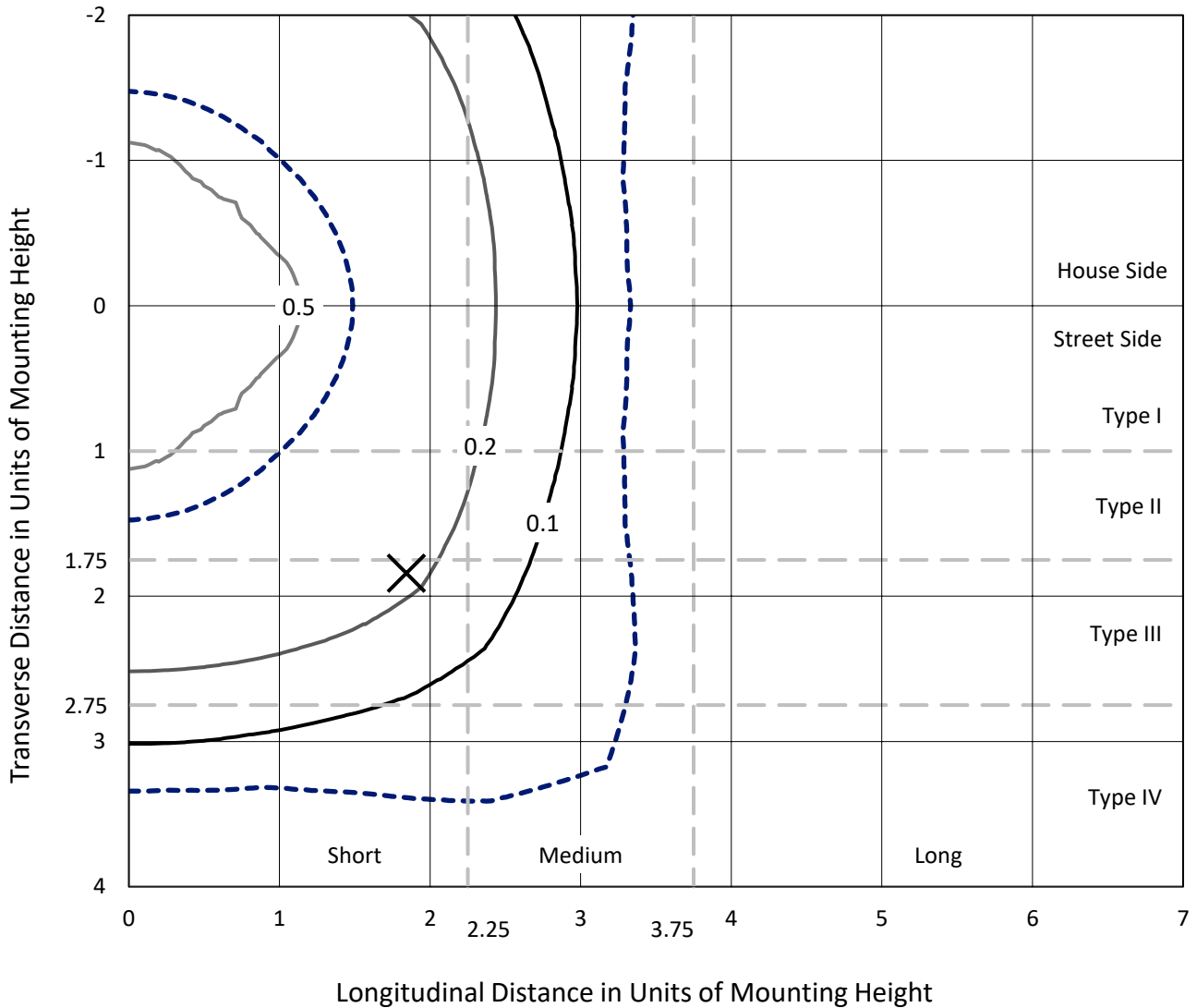
Input Watts (W): 63.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

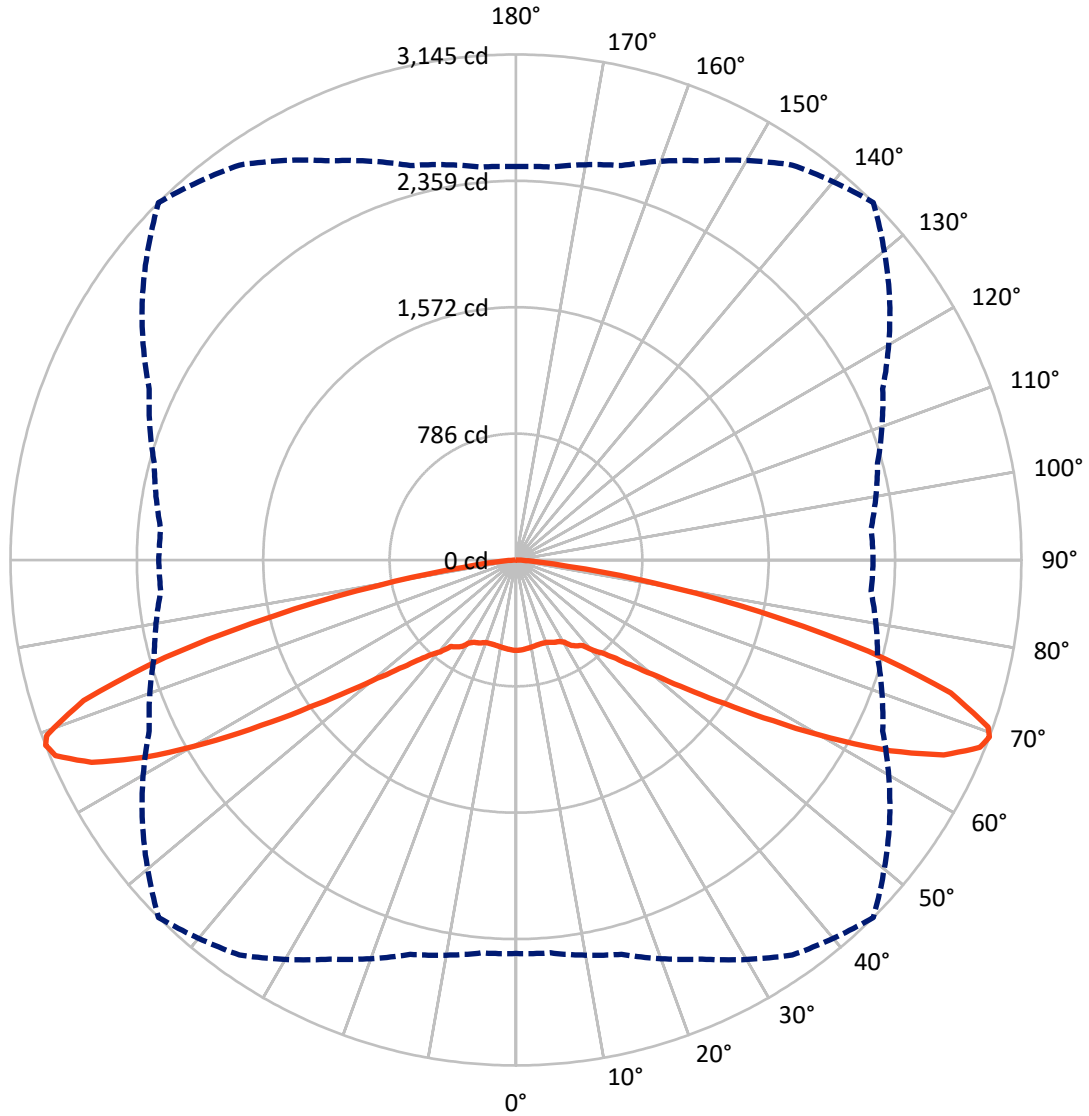
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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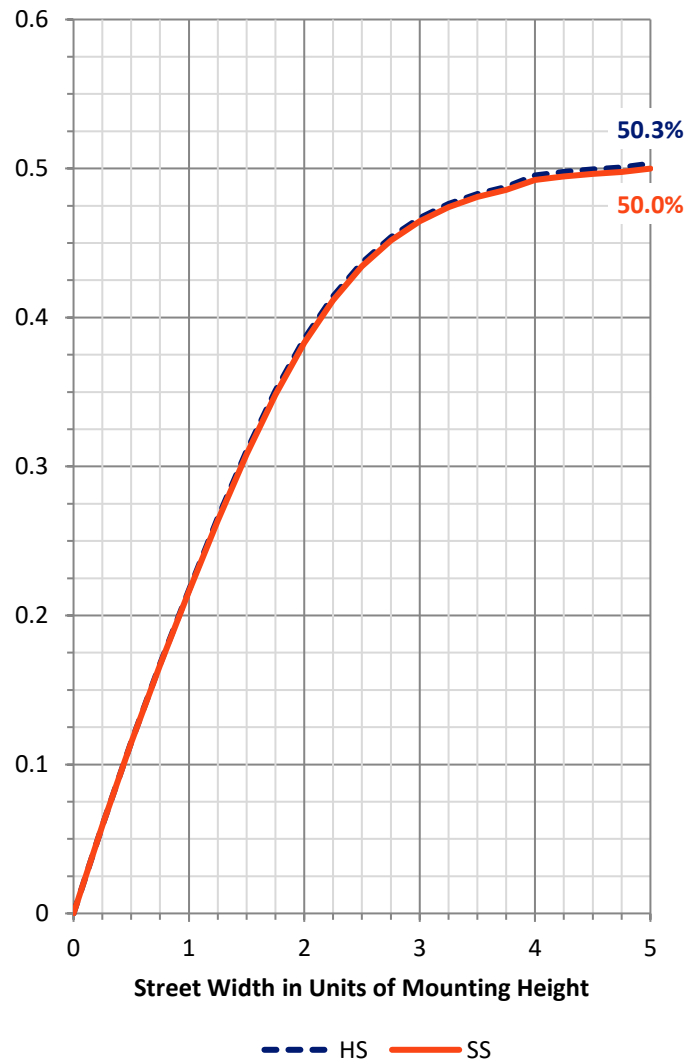
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3587.5	0.0	3587.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3587.5	0.0	3587.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7175.0	0.0	7175.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.1	0.7
10°-20°	156.0	2.2
20°-30°	264.5	3.7
30°-40°	411.2	5.7
40°-50°	705.9	9.8
50°-60°	1404.4	19.6
60°-70°	2501.7	34.9
70°-80°	1575.5	22.0
80°-90°	102.9	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°	7175.0	100.0
0°-180°	7175.0	100.0



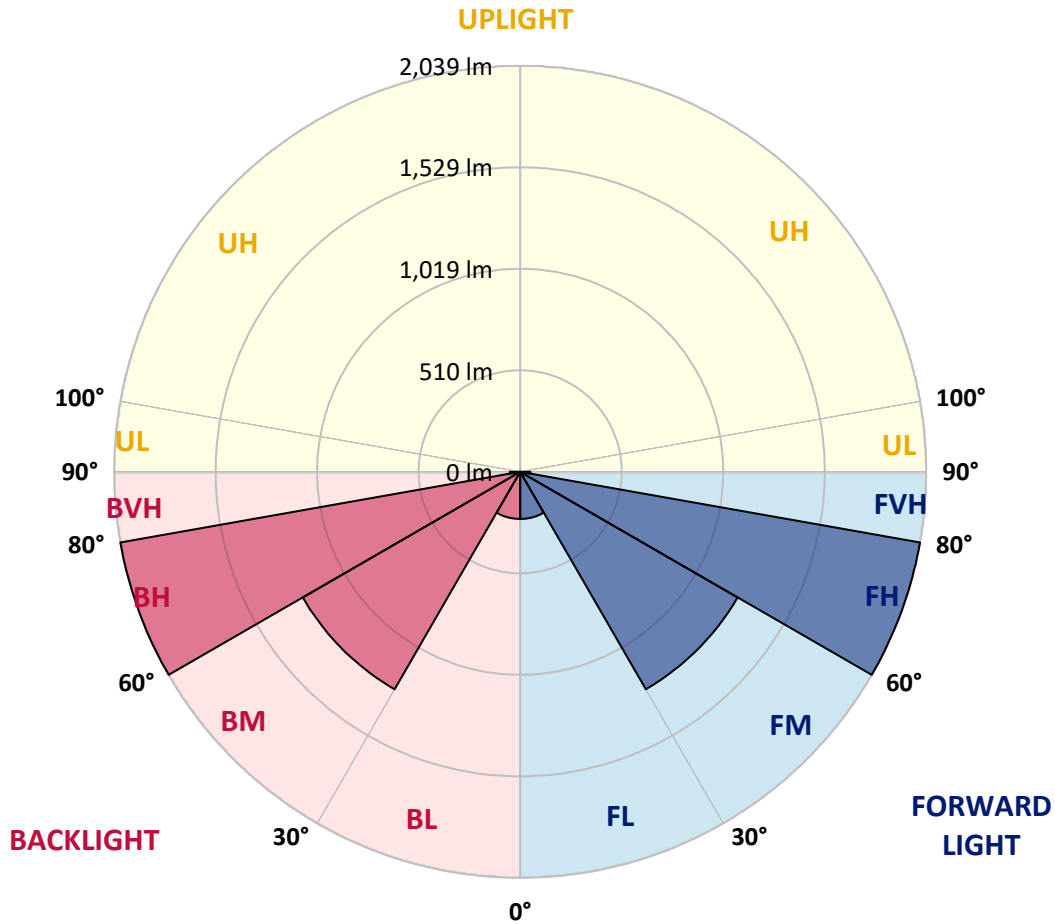
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.7	3.3			
FM (30°-60°)	1260.7	17.6			
FH (60°-80°)	2038.6	28.4			G2/5000
FVH (80°-90°)	51.4	0.7			G1/100
BL (0°-30°)	236.7	3.3	B1/500		
BM (30°-60°)	1260.7	17.6	B2/2500		
BH (60°-80°)	2038.6	28.4	B3/2500		G2/5000
BVH (80°-90°)	51.4	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°	563.0	563.0	563.0	563.0	563.0	563.0	563.0	563.0	563.0	563.0	563.0
2.5°	566.8	564.9	564.9	563.0	561.2	561.2	561.2	559.3	561.2	561.2	561.2
5°	564.9	563.0	561.2	559.3	559.3	557.4	559.3	557.4	557.4	557.4	557.4
7.5°	559.3	559.3	555.5	555.5	553.6	553.6	551.7	551.7	551.7	549.9	549.9
10°	559.3	557.4	555.5	551.7	549.9	549.9	549.9	548.0	549.9	549.9	549.9
12.5°	559.3	559.3	553.6	549.9	546.1	546.1	546.1	546.1	549.9	551.7	551.7
15°	563.0	561.2	555.5	548.0	544.2	544.2	544.2	546.1	549.9	553.6	553.6
17.5°	564.9	561.2	553.6	546.1	544.2	544.2	544.2	546.1	551.7	555.5	557.4
20°	566.8	564.9	555.5	548.0	546.1	546.1	546.1	546.1	551.7	557.4	559.3
22.5°	572.4	570.6	561.2	555.5	553.6	553.6	553.6	553.6	559.3	566.8	566.8
25°	580.0	576.2	566.8	563.0	563.0	566.8	566.8	563.0	568.7	574.3	576.2
27.5°	593.2	589.4	580.0	576.2	574.3	574.3	574.3	574.3	578.1	587.5	587.5
30°	604.5	602.6	598.8	598.8	596.9	593.2	593.2	596.9	598.8	602.6	604.5
32.5°	619.5	615.8	612.0	612.0	623.3	634.6	625.2	610.1	608.2	610.1	612.0
35°	651.5	647.8	638.4	632.7	644.0	655.3	640.2	630.8	636.5	642.1	642.1
37.5°	696.7	694.8	687.3	676.0	672.3	674.1	668.5	676.0	691.1	702.4	704.3
40°	743.8	741.9	734.4	728.7	730.6	740.0	736.3	728.7	738.2	745.7	745.7
42.5°	817.2	809.7	798.4	783.4	785.2	792.8	783.4	790.9	804.1	817.2	819.1
45°	915.2	907.6	892.6	879.4	870.0	873.7	873.7	886.9	902.0	917.0	922.7
47.5°	1020.6	1018.7	1003.7	992.4	983.0	988.6	988.6	988.6	1013.1	1028.1	1028.1
50°	1150.5	1144.9	1144.9	1135.5	1131.7	1133.6	1126.1	1133.6	1144.9	1148.7	1143.0
52.5°	1305.0	1299.3	1303.1	1306.8	1316.3	1329.4	1310.6	1308.7	1303.1	1297.4	1295.5
55°	1489.5	1495.1	1510.2	1534.7	1549.8	1576.1	1547.9	1514.0	1498.9	1483.8	1472.5
57.5°	1709.8	1719.2	1741.8	1800.2	1864.2	1888.7	1839.7	1777.6	1724.9	1681.6	1691.0
60°	1997.9	1992.3	2029.9	2109.0	2199.4	2248.4	2171.2	2069.5	1984.7	1964.0	1969.7
62.5°	2304.9	2316.2	2342.5	2448.0	2561.0	2613.7	2519.5	2368.9	2259.7	2203.2	2203.2
65°	2496.9	2504.5	2577.9	2726.7	2852.8	2924.4	2790.7	2572.3	2416.0	2321.8	2316.2
67.5°	2525.2	2532.7	2615.6	2805.8	3012.9	3112.7	2881.1	2596.7	2414.1	2299.2	2295.4
69°	2448.0	2453.6	2540.2	2739.8	2999.7	3144.7	2837.8	2517.6	2329.3	2218.2	2222.0
70°	2336.9	2359.5	2425.4	2628.7	2930.0	3116.5	2758.7	2429.1	2233.3	2144.8	2129.7
72.5°	1832.2	1847.3	1956.5	2208.8	2615.6	2828.3	2423.5	2056.3	1856.7	1764.4	1787.0
75°	1037.6	1033.8	1173.1	1534.7	2016.8	2265.3	1907.5	1480.1	1190.1	1079.0	1094.1
77.5°	395.4	412.4	506.5	787.1	1267.3	1547.9	1265.4	790.9	553.6	431.2	410.5
80°	128.0	135.6	178.9	286.2	540.4	873.7	591.3	305.1	192.1	145.0	135.6
82.5°	50.8	56.5	67.8	96.0	182.7	329.5	199.6	111.1	82.9	67.8	62.1
85°	28.2	26.4	35.8	43.3	62.1	94.2	67.8	52.7	45.2	32.0	30.1
87.5°	9.4	9.4	15.1	15.1	16.9	15.1	16.9	18.8	18.8	11.3	9.4
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)