

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: P573318

Luminaire Tested: **ARCH-S-PA2-60-740-U-5WQ**

Issue Date: 10/13/2021

Test Information

Test Method: LM-79-08
Report Number: P573318
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-PA2-60-740-U-5WQ
Description: ARCHEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 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: 9761 lumens
Efficiency: N/A
Efficacy: 154.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

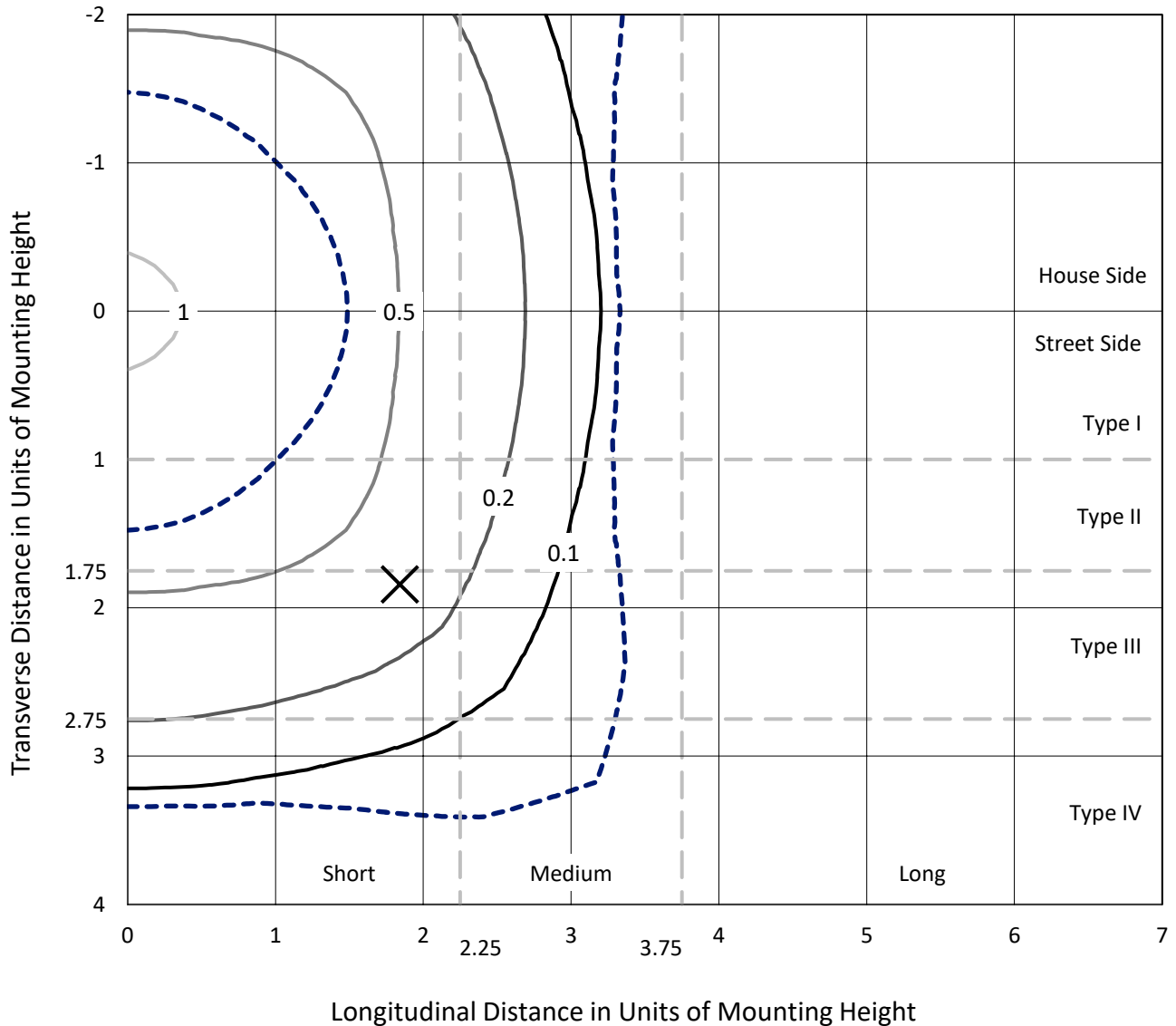
Input Watts (W): 63.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

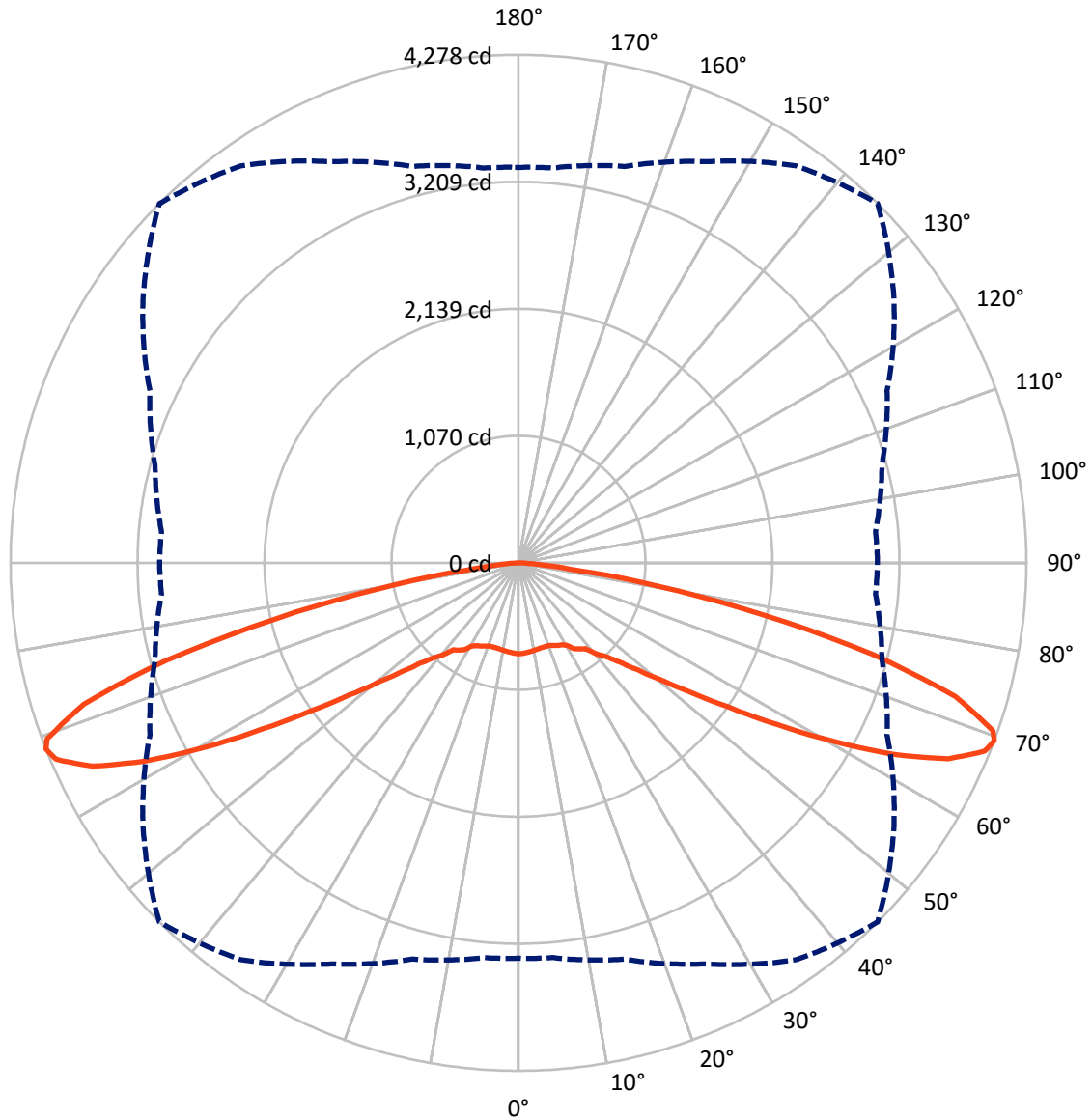
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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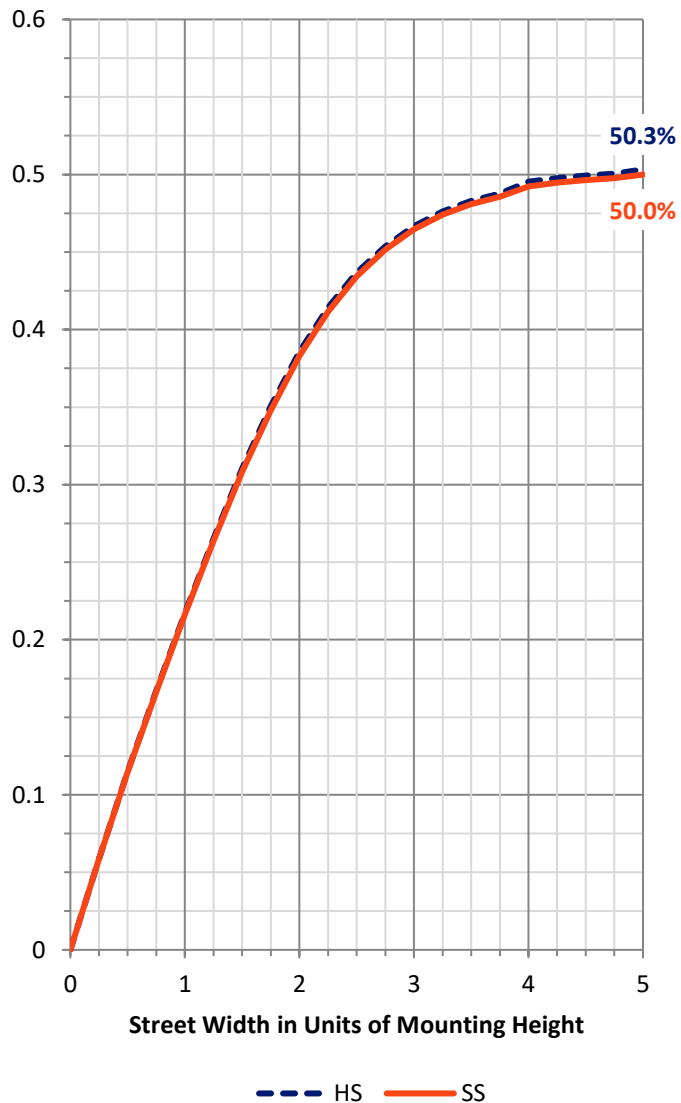
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4880.5	0.0	4880.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4880.5	0.0	4880.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9761.0	0.0	9761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	0.7
10°-20°	212.2	2.2
20°-30°	359.8	3.7
30°-40°	559.4	5.7
40°-50°	960.3	9.8
50°-60°	1910.5	19.6
60°-70°	3403.3	34.9
70°-80°	2143.4	22.0
80°-90°	140.0	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°	9761.0	100.0
0°-180°	9761.0	100.0

Coefficient of Utilization

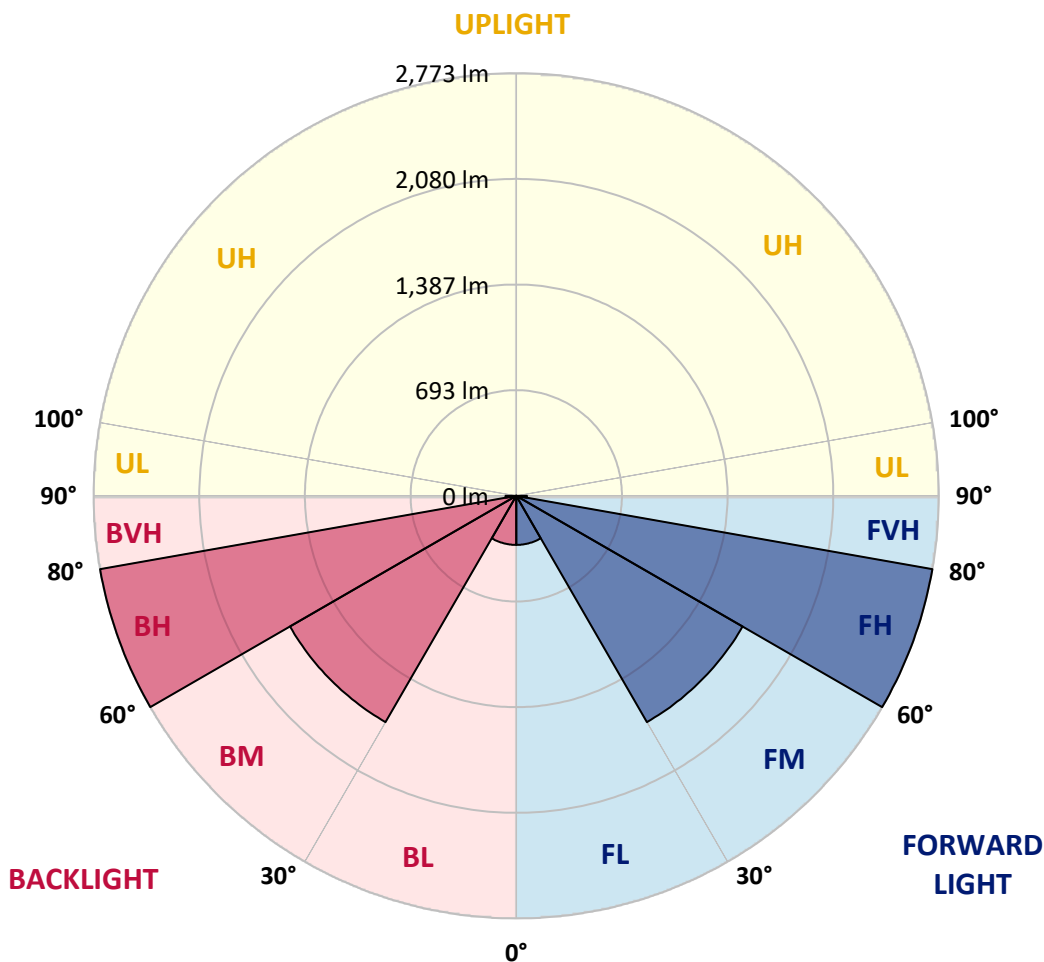


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	322.1	3.3			
FM (30°-60°)	1715.1	17.6			
FH (60°-80°)	2773.4	28.4			G2/5000
FVH (80°-90°)	70.0	0.7			G1/100
BL (0°-30°)	322.1	3.3	B1/500		
BM (30°-60°)	1715.1	17.6	B2/2500		
BH (60°-80°)	2773.4	28.4	B4/5000		G2/5000
BVH (80°-90°)	70.0	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	766.0	766.0	766.0	766.0	766.0	766.0	766.0	766.0	766.0	766.0	766.0
2.5°	771.1	768.5	768.5	766.0	763.4	763.4	763.4	760.8	763.4	763.4	763.4
5°	768.5	766.0	763.4	760.8	760.8	758.3	760.8	758.3	758.3	758.3	758.3
7.5°	760.8	760.8	755.7	755.7	753.2	753.2	750.6	750.6	750.6	748.0	748.0
10°	760.8	758.3	755.7	750.6	748.0	748.0	748.0	745.5	748.0	748.0	748.0
12.5°	760.8	760.8	753.2	748.0	742.9	742.9	742.9	742.9	748.0	750.6	750.6
15°	766.0	763.4	755.7	745.5	740.3	740.3	740.3	742.9	748.0	753.2	753.2
17.5°	768.5	763.4	753.2	742.9	740.3	740.3	740.3	742.9	750.6	755.7	758.3
20°	771.1	768.5	755.7	745.5	742.9	742.9	742.9	742.9	750.6	758.3	760.8
22.5°	778.8	776.2	763.4	755.7	753.2	753.2	753.2	753.2	760.8	771.1	771.1
25°	789.0	783.9	771.1	766.0	766.0	771.1	771.1	766.0	773.6	781.3	783.9
27.5°	806.9	801.8	789.0	783.9	781.3	781.3	781.3	781.3	786.5	799.3	799.3
30°	822.3	819.8	814.6	814.6	812.1	806.9	806.9	812.1	814.6	819.8	822.3
32.5°	842.8	837.7	832.6	832.6	847.9	863.3	850.5	830.0	827.4	830.0	832.6
35°	886.4	881.2	868.4	860.7	876.1	891.5	871.0	858.2	865.9	873.6	873.6
37.5°	947.8	945.3	935.0	919.7	914.5	917.1	909.4	919.7	940.2	955.5	958.1
40°	1011.9	1009.3	999.1	991.4	994.0	1006.8	1001.6	991.4	1004.2	1014.4	1014.4
42.5°	1111.8	1101.5	1086.2	1065.7	1068.2	1078.5	1065.7	1075.9	1093.9	1111.8	1114.4
45°	1245.0	1234.8	1214.3	1196.3	1183.5	1188.6	1188.6	1206.6	1227.1	1247.6	1255.3
47.5°	1388.5	1385.9	1365.4	1350.0	1337.2	1344.9	1344.9	1344.9	1378.2	1398.7	1398.7
50°	1565.2	1557.5	1557.5	1544.7	1539.6	1542.2	1531.9	1542.2	1557.5	1562.7	1555.0
52.5°	1775.3	1767.6	1772.7	1777.8	1790.7	1808.6	1783.0	1780.4	1772.7	1765.0	1762.5
55°	2026.3	2034.0	2054.5	2087.8	2108.3	2144.2	2105.8	2059.6	2039.1	2018.7	2003.3
57.5°	2326.1	2338.9	2369.6	2449.0	2536.1	2569.4	2502.8	2418.3	2346.6	2287.6	2300.4
60°	2718.0	2710.3	2761.6	2869.2	2992.1	3058.7	2953.7	2815.4	2700.1	2671.9	2679.6
62.5°	3135.6	3150.9	3186.8	3330.3	3484.0	3555.7	3427.6	3222.7	3074.1	2997.2	2997.2
65°	3396.9	3407.1	3507.0	3709.4	3881.0	3978.4	3796.5	3499.3	3286.7	3158.6	3150.9
67.5°	3435.3	3445.5	3558.3	3817.0	4098.8	4234.6	3919.5	3532.6	3284.2	3127.9	3122.8
69°	3330.3	3337.9	3455.8	3727.3	4080.9	4278.1	3860.5	3425.0	3168.9	3017.7	3022.9
70°	3179.1	3209.9	3299.5	3576.2	3986.1	4239.7	3753.0	3304.6	3038.2	2917.8	2897.3
72.5°	2492.6	2513.1	2661.6	3004.9	3558.3	3847.7	3297.0	2797.4	2525.9	2400.4	2431.1
75°	1411.5	1406.4	1596.0	2087.8	2743.6	3081.8	2595.0	2013.5	1619.0	1467.9	1488.4
77.5°	538.0	561.0	689.1	1070.8	1724.1	2105.8	1721.5	1075.9	753.2	586.6	558.5
80°	174.2	184.4	243.4	389.4	735.2	1188.6	804.4	415.0	261.3	197.3	184.4
82.5°	69.2	76.9	92.2	130.6	248.5	448.3	271.5	151.1	112.7	92.2	84.5
85°	38.4	35.9	48.7	58.9	84.5	128.1	92.2	71.7	61.5	43.5	41.0
87.5°	12.8	12.8	20.5	20.5	23.1	20.5	23.1	25.6	25.6	15.4	12.8
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)