

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: P573111

Luminaire Tested: **ARCH-S-PA2-30-830-U-5WQ**

Issue Date: 10/13/2021

Test Information

Test Method: LM-79-08
Report Number: P573111
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-PA2-30-830-U-5WQ
Description: ARCHEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 3000K, 320mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4301 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

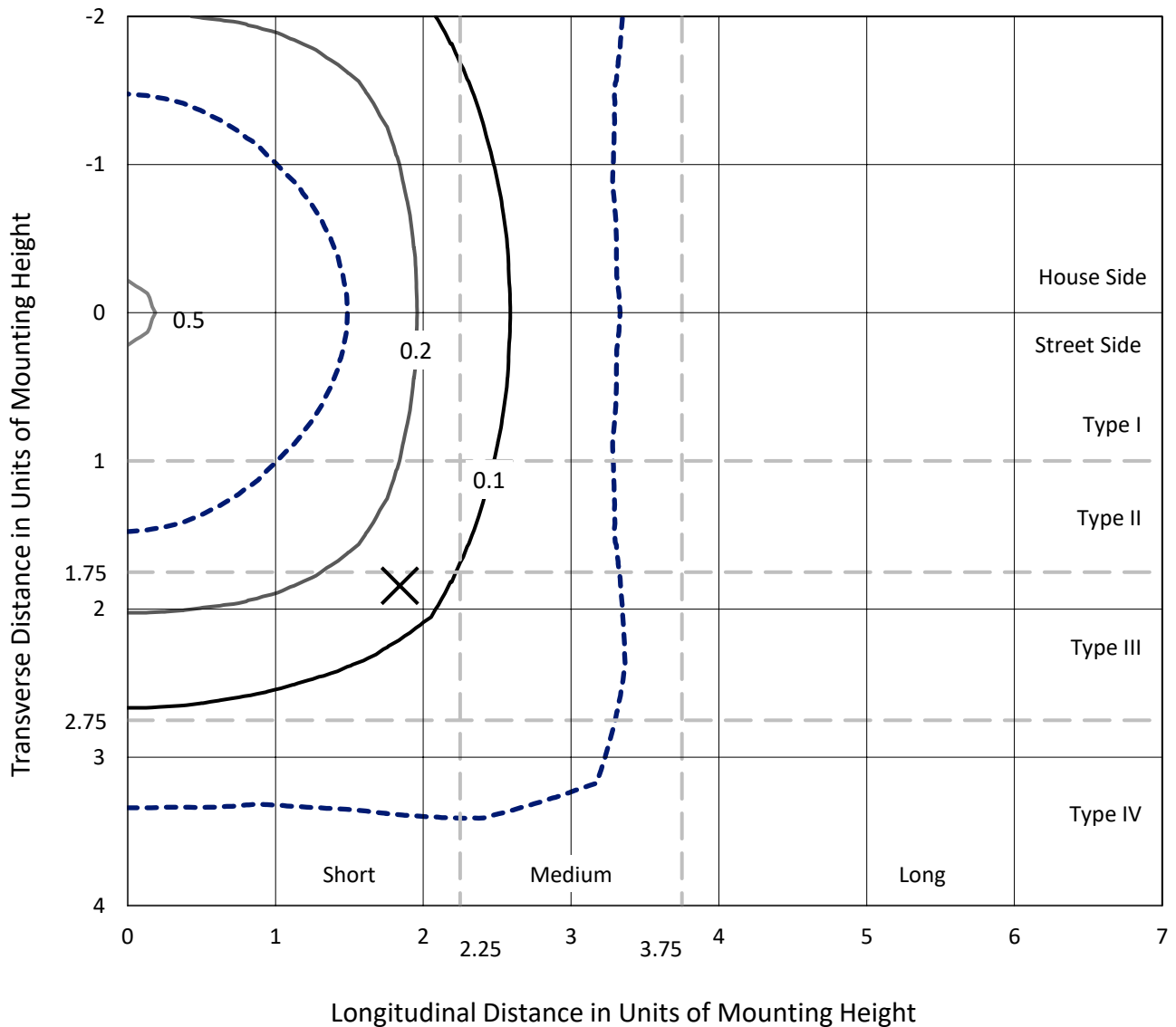
Input Watts (W): 33.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

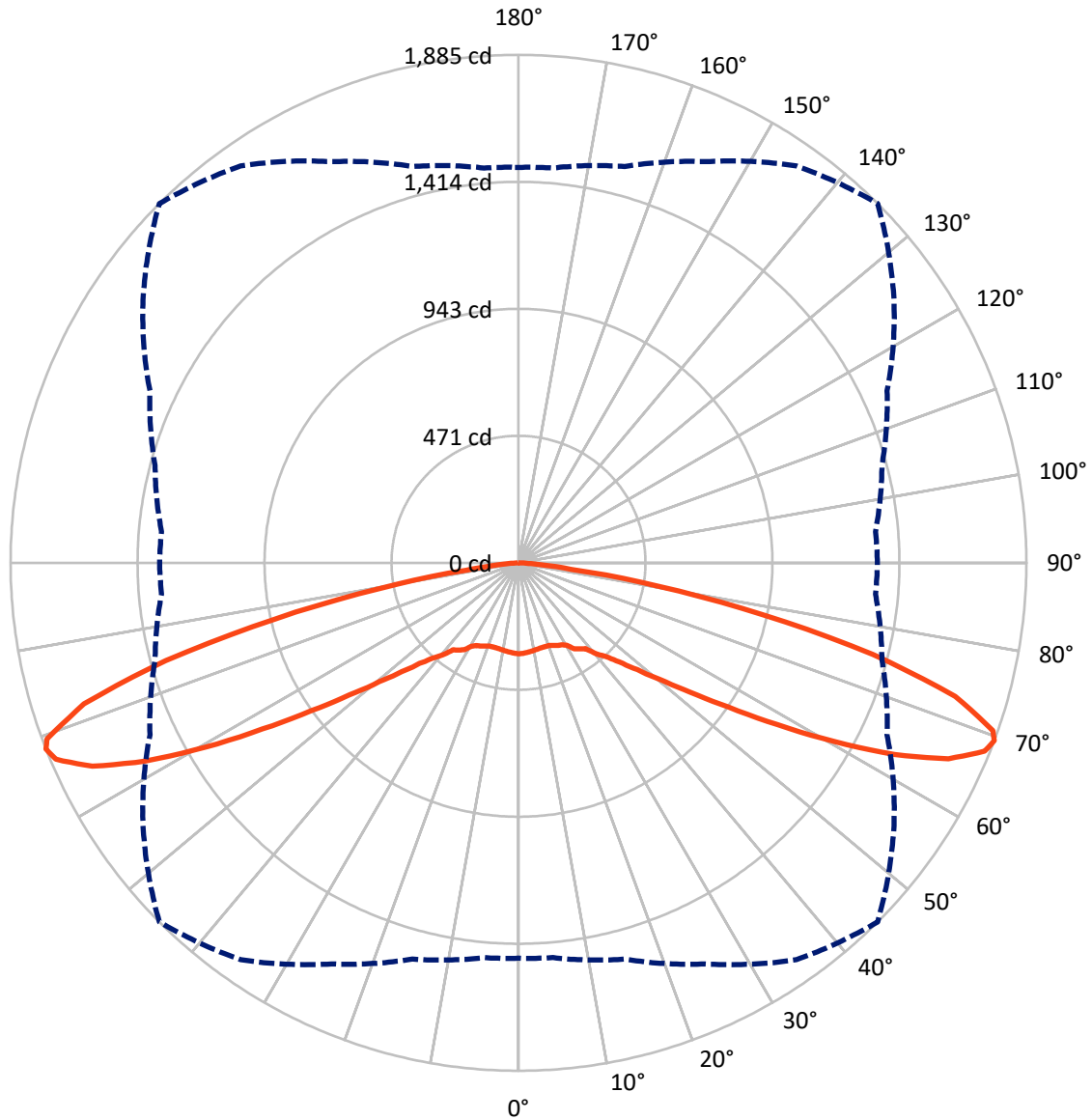
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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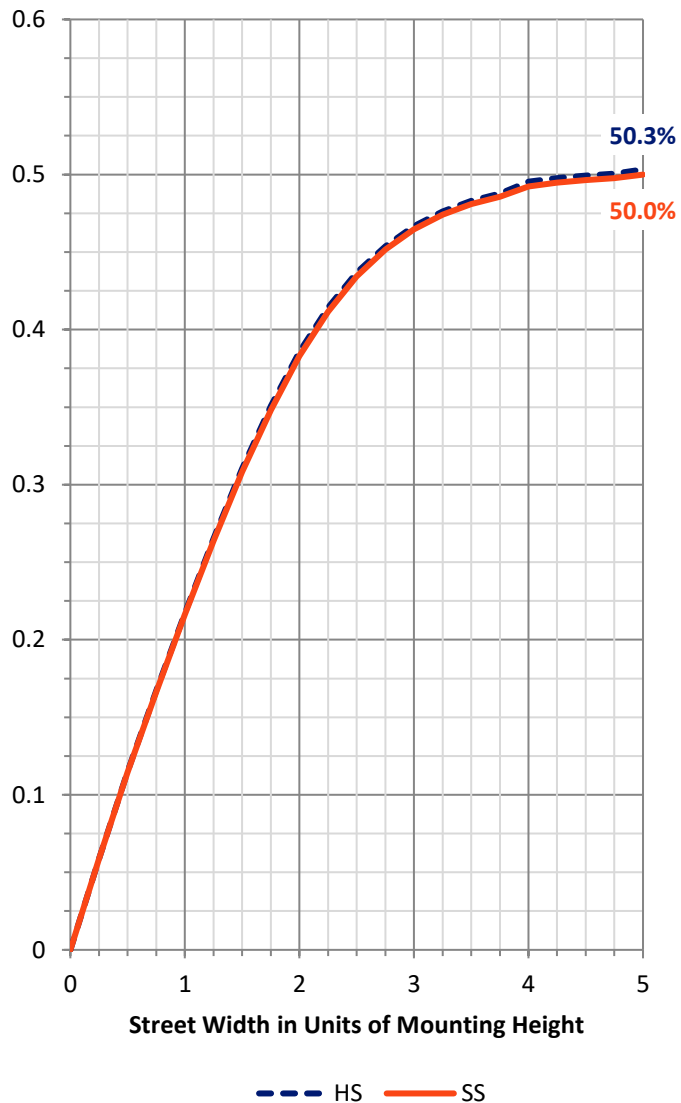
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2150.5	0.0	2150.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2150.5	0.0	2150.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4301.0	0.0	4301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	0.7
10°-20°	93.5	2.2
20°-30°	158.5	3.7
30°-40°	246.5	5.7
40°-50°	423.1	9.8
50°-60°	841.8	19.6
60°-70°	1499.6	34.9
70°-80°	944.4	22.0
80°-90°	61.7	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°	4301.0	100.0
0°-180°	4301.0	100.0

Coefficient of Utilization

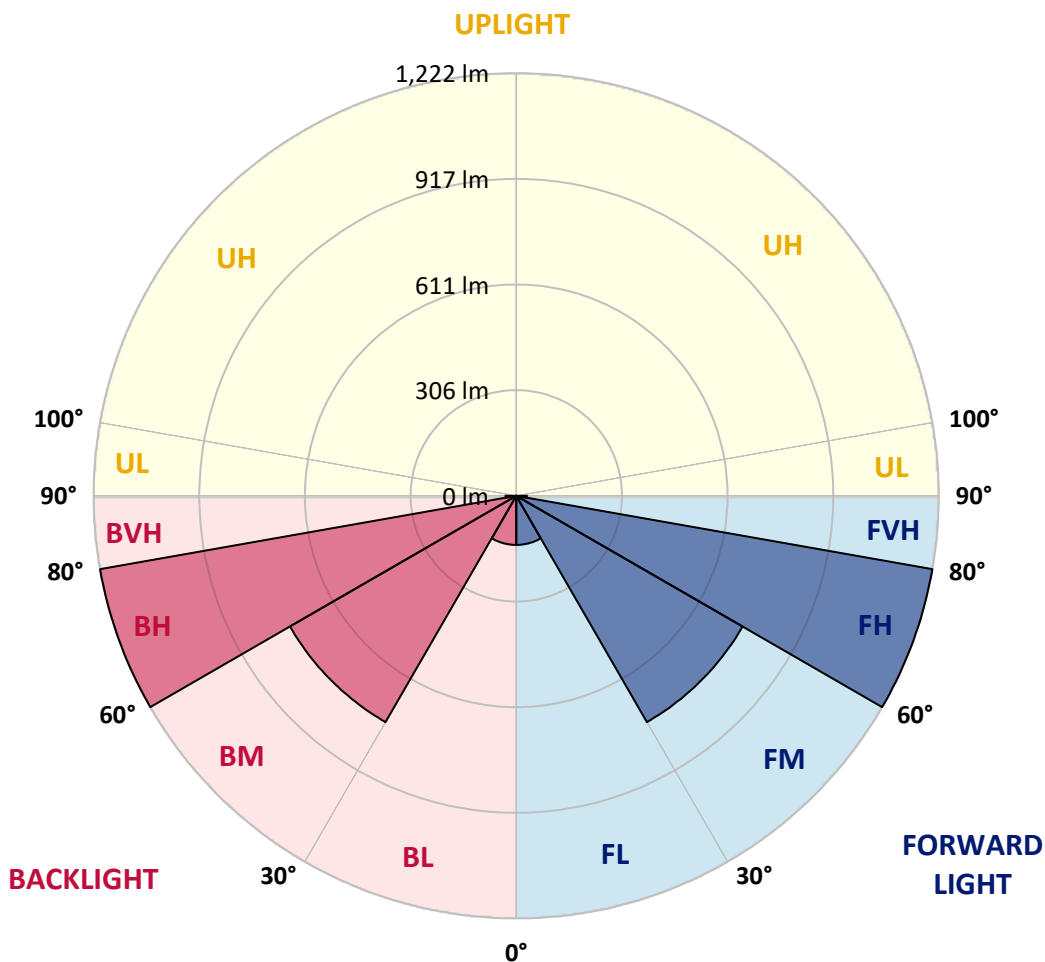


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.9	3.3			
FM (30°-60°)	755.7	17.6			
FH (60°-80°)	1222.0	28.4			G1/1800
FVH (80°-90°)	30.8	0.7			G1/100
BL (0°-30°)	141.9	3.3	B1/500		
BM (30°-60°)	755.7	17.6	B1/1000		
BH (60°-80°)	1222.0	28.4	B3/2500		G1/1800
BVH (80°-90°)	30.8	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5
2.5°	339.8	338.6	338.6	337.5	336.4	336.4	336.4	335.2	336.4	336.4	336.4
5°	338.6	337.5	336.4	335.2	335.2	334.1	335.2	334.1	334.1	334.1	334.1
7.5°	335.2	335.2	333.0	333.0	331.9	331.9	330.7	330.7	330.7	329.6	329.6
10°	335.2	334.1	333.0	330.7	329.6	329.6	329.6	328.5	329.6	329.6	329.6
12.5°	335.2	335.2	331.9	329.6	327.3	327.3	327.3	327.3	329.6	330.7	330.7
15°	337.5	336.4	333.0	328.5	326.2	326.2	326.2	327.3	329.6	331.9	331.9
17.5°	338.6	336.4	331.9	327.3	326.2	326.2	326.2	327.3	330.7	333.0	334.1
20°	339.8	338.6	333.0	328.5	327.3	327.3	327.3	327.3	330.7	334.1	335.2
22.5°	343.2	342.0	336.4	333.0	331.9	331.9	331.9	331.9	335.2	339.8	339.8
25°	347.7	345.4	339.8	337.5	337.5	339.8	339.8	337.5	340.9	344.3	345.4
27.5°	355.6	353.3	347.7	345.4	344.3	344.3	344.3	344.3	346.5	352.2	352.2
30°	362.3	361.2	359.0	359.0	357.8	355.6	355.6	357.8	359.0	361.2	362.3
32.5°	371.4	369.1	366.9	366.9	373.6	380.4	374.8	365.7	364.6	365.7	366.9
35°	390.6	388.3	382.7	379.3	386.0	392.8	383.8	378.1	381.5	384.9	384.9
37.5°	417.6	416.5	412.0	405.2	403.0	404.1	400.7	405.2	414.3	421.0	422.2
40°	445.9	444.7	440.2	436.8	438.0	443.6	441.4	436.8	442.5	447.0	447.0
42.5°	489.9	485.4	478.6	469.6	470.7	475.2	469.6	474.1	482.0	489.9	491.0
45°	548.6	544.1	535.0	527.1	521.5	523.8	523.8	531.7	540.7	549.7	553.1
47.5°	611.8	610.7	601.6	594.9	589.2	592.6	592.6	592.6	607.3	616.3	616.3
50°	689.7	686.3	686.3	680.7	678.4	679.5	675.0	679.5	686.3	688.6	685.2
52.5°	782.2	778.9	781.1	783.4	789.0	796.9	785.6	784.5	781.1	777.7	776.6
55°	892.9	896.3	905.3	920.0	929.0	944.8	927.9	907.5	898.5	889.5	882.7
57.5°	1024.9	1030.6	1044.1	1079.1	1117.5	1132.2	1102.8	1065.6	1034.0	1008.0	1013.6
60°	1197.6	1194.3	1216.8	1264.2	1318.4	1347.8	1301.5	1240.5	1189.7	1177.3	1180.7
62.5°	1381.6	1388.4	1404.2	1467.4	1535.1	1566.8	1510.3	1420.0	1354.5	1320.7	1320.7
65°	1496.8	1501.3	1545.3	1634.5	1710.1	1753.0	1672.9	1541.9	1448.2	1391.8	1388.4
67.5°	1513.7	1518.2	1567.9	1681.9	1806.1	1865.9	1727.0	1556.6	1447.1	1378.2	1376.0
69°	1467.4	1470.8	1522.7	1642.4	1798.2	1885.1	1701.1	1509.2	1396.3	1329.7	1332.0
70°	1400.8	1414.4	1453.9	1575.8	1756.4	1868.1	1653.7	1456.1	1338.7	1285.7	1276.7
72.5°	1098.3	1107.3	1172.8	1324.1	1567.9	1695.4	1452.7	1232.6	1113.0	1057.7	1071.2
75°	622.0	619.7	703.2	920.0	1208.9	1357.9	1143.5	887.2	713.4	646.8	655.8
77.5°	237.0	247.2	303.6	471.8	759.7	927.9	758.5	474.1	331.9	258.5	246.1
80°	76.8	81.3	107.2	171.6	324.0	523.8	354.4	182.9	115.1	86.9	81.3
82.5°	30.5	33.9	40.6	57.6	109.5	197.5	119.7	66.6	49.7	40.6	37.2
85°	16.9	15.8	21.4	26.0	37.2	56.4	40.6	31.6	27.1	19.2	18.1
87.5°	5.6	5.6	9.0	9.0	10.2	9.0	10.2	11.3	11.3	6.8	5.6
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)