

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: P572976

Luminaire Tested: **ARCH-S-PA2-20-730-U-5WQ**

Issue Date: 10/13/2021

Test Information

Test Method: LM-79-08
Report Number: P572976
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-PA2-20-730-U-5WQ
Description: ARCHEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 220mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3470 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

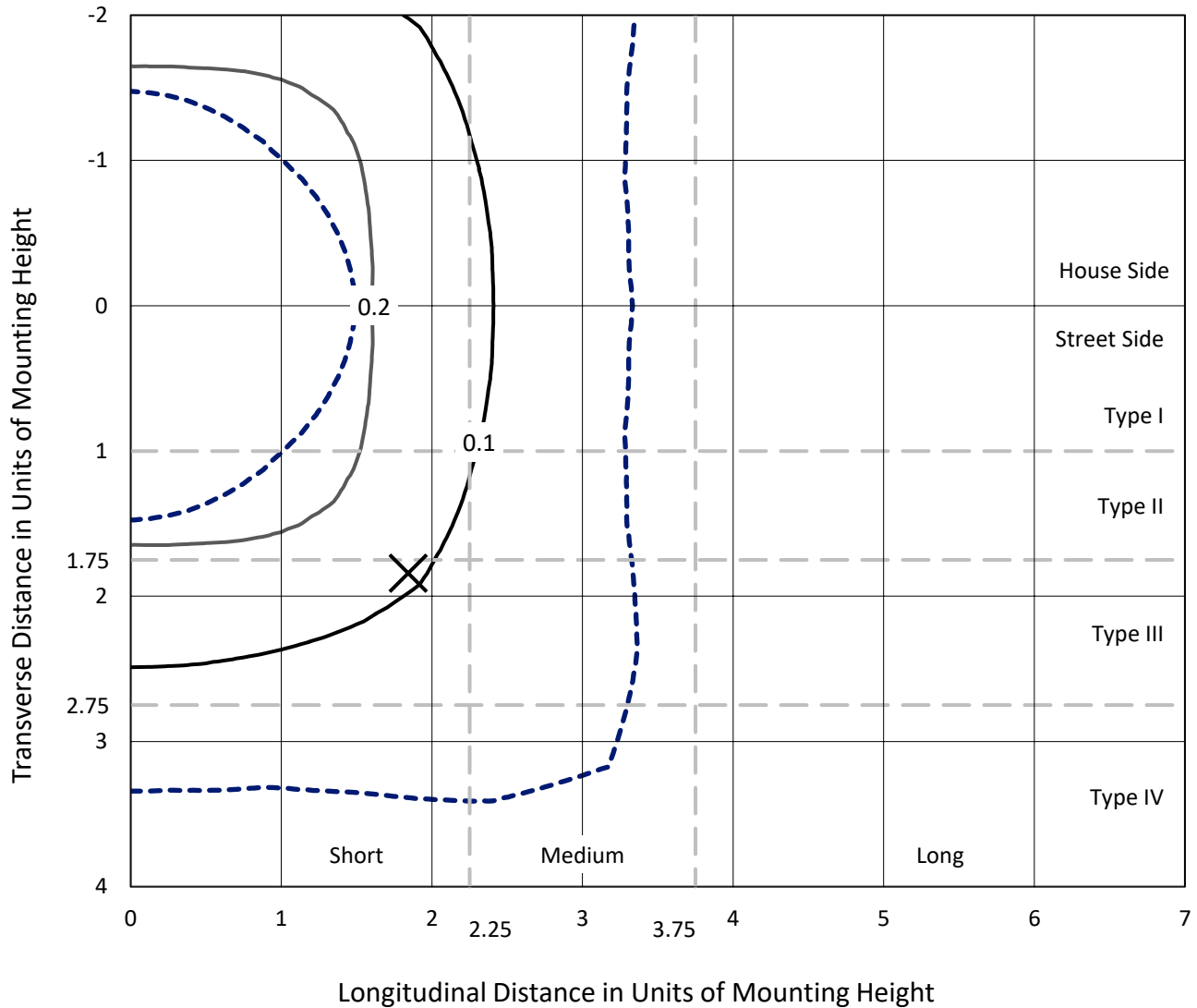
Input Watts (W): 23.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

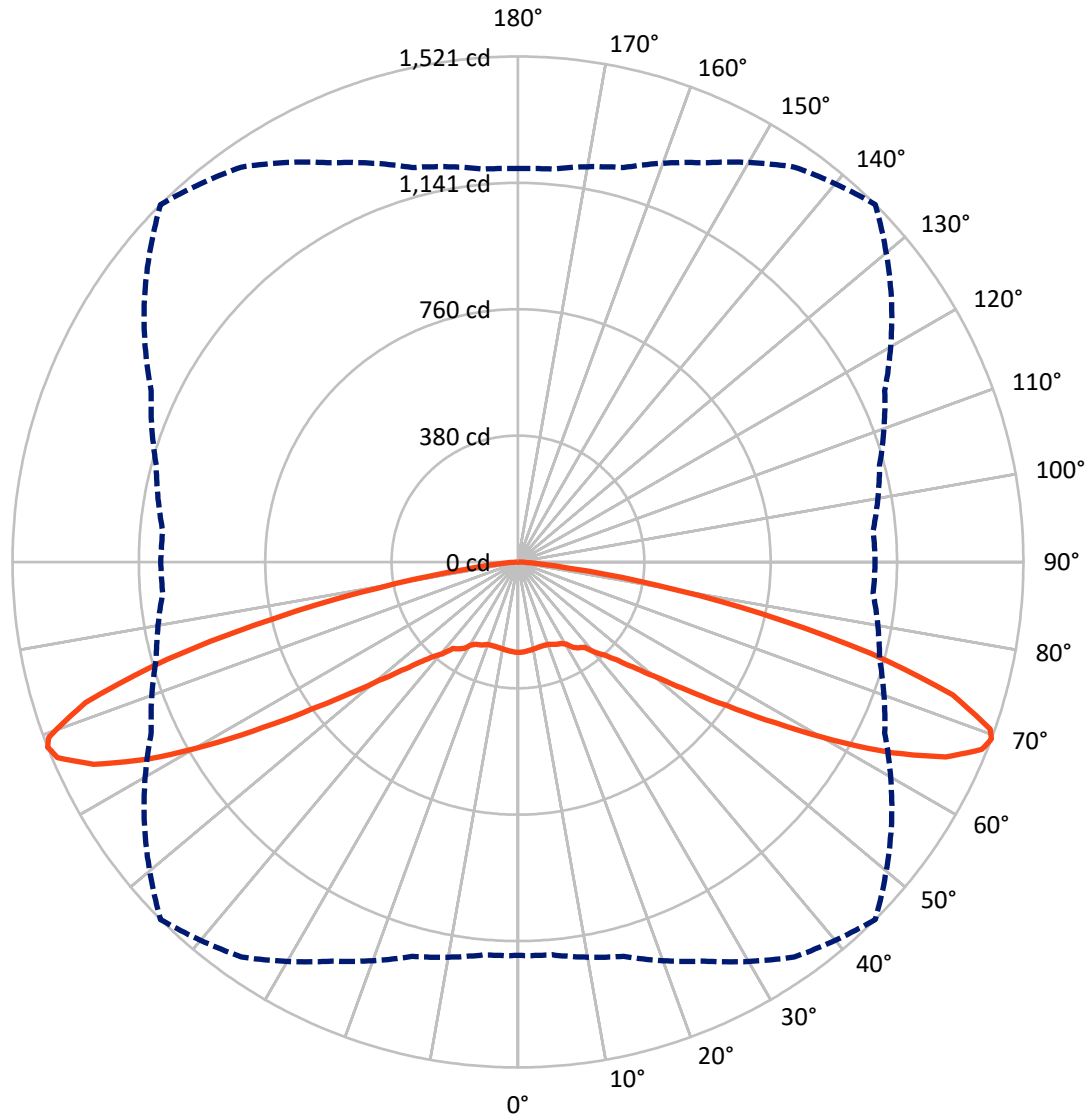
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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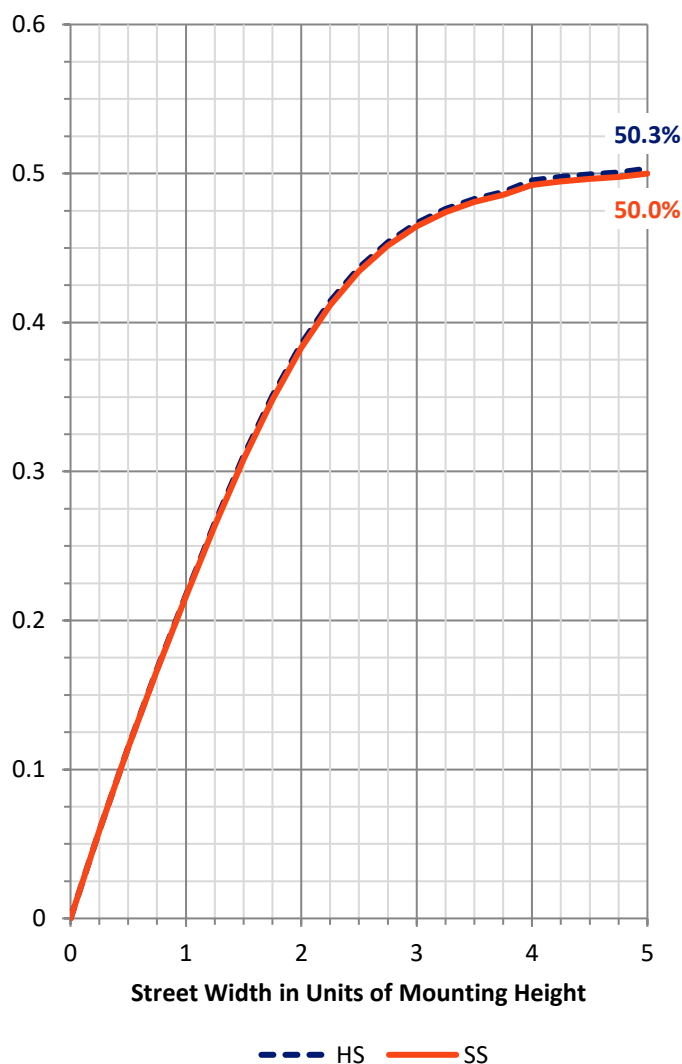
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1735.0	0.0	1735.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1735.0	0.0	1735.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3470.0	0.0	3470.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	0.7
10°-20°	75.4	2.2
20°-30°	127.9	3.7
30°-40°	198.9	5.7
40°-50°	341.4	9.8
50°-60°	679.2	19.6
60°-70°	1209.9	34.9
70°-80°	762.0	22.0
80°-90°	49.8	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°	3470.0	100.0
0°-180°	3470.0	100.0

Coefficient of Utilization

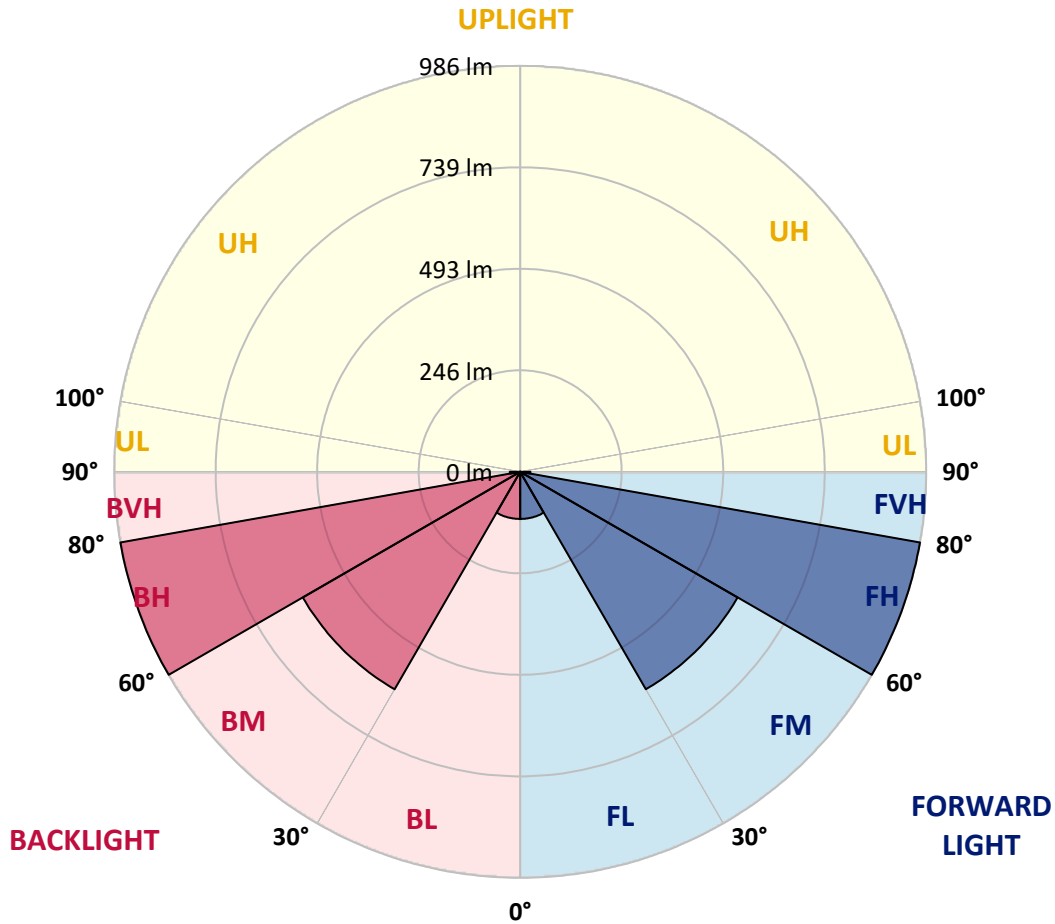


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.5	3.3			
FM (30°-60°)	609.7	17.6			
FH (60°-80°)	985.9	28.4			G1/1800
FVH (80°-90°)	24.9	0.7			G1/100
BL (0°-30°)	114.5	3.3	B1/500		
BM (30°-60°)	609.7	17.6	B1/1000		
BH (60°-80°)	985.9	28.4	B2/1000		G1/1800
BVH (80°-90°)	24.9	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	272.3	272.3	272.3	272.3	272.3	272.3	272.3	272.3	272.3	272.3	272.3
2.5°	274.1	273.2	273.2	272.3	271.4	271.4	271.4	270.5	271.4	271.4	271.4
5°	273.2	272.3	271.4	270.5	270.5	269.6	270.5	269.6	269.6	269.6	269.6
7.5°	270.5	270.5	268.7	268.7	267.7	267.7	266.8	266.8	266.8	265.9	265.9
10°	270.5	269.6	268.7	266.8	265.9	265.9	265.9	265.0	265.9	265.9	265.9
12.5°	270.5	270.5	267.7	265.9	264.1	264.1	264.1	264.1	265.9	266.8	266.8
15°	272.3	271.4	268.7	265.0	263.2	263.2	263.2	264.1	265.9	267.7	267.7
17.5°	273.2	271.4	267.7	264.1	263.2	263.2	263.2	264.1	266.8	268.7	269.6
20°	274.1	273.2	268.7	265.0	264.1	264.1	264.1	264.1	266.8	269.6	270.5
22.5°	276.8	275.9	271.4	268.7	267.7	267.7	267.7	267.7	270.5	274.1	274.1
25°	280.5	278.7	274.1	272.3	272.3	274.1	274.1	272.3	275.0	277.8	278.7
27.5°	286.9	285.0	280.5	278.7	277.8	277.8	277.8	277.8	279.6	284.1	284.1
30°	292.3	291.4	289.6	289.6	288.7	286.9	286.9	288.7	289.6	291.4	292.3
32.5°	299.6	297.8	296.0	296.0	301.4	306.9	302.3	295.1	294.2	295.1	296.0
35°	315.1	313.3	308.7	306.0	311.5	316.9	309.6	305.1	307.8	310.5	310.5
37.5°	337.0	336.0	332.4	326.9	325.1	326.0	323.3	326.9	334.2	339.7	340.6
40°	359.7	358.8	355.2	352.4	353.3	357.9	356.1	352.4	357.0	360.6	360.6
42.5°	395.2	391.6	386.1	378.8	379.8	383.4	378.8	382.5	388.9	395.2	396.2
45°	442.6	439.0	431.7	425.3	420.7	422.6	422.6	428.9	436.2	443.5	446.2
47.5°	493.6	492.7	485.4	479.9	475.4	478.1	478.1	478.1	490.0	497.2	497.2
50°	556.4	553.7	553.7	549.1	547.3	548.2	544.6	548.2	553.7	555.5	552.8
52.5°	631.1	628.4	630.2	632.0	636.6	642.9	633.8	632.9	630.2	627.5	626.6
55°	720.4	723.1	730.4	742.2	749.5	762.2	748.6	732.2	724.9	717.6	712.2
57.5°	826.9	831.5	842.4	870.6	901.6	913.4	889.7	859.7	834.2	813.2	817.8
60°	966.2	963.5	981.7	1020.0	1063.7	1087.4	1050.0	1000.8	959.9	949.8	952.6
62.5°	1114.7	1120.1	1132.9	1183.9	1238.5	1264.0	1218.5	1145.6	1092.8	1065.5	1065.5
65°	1207.6	1211.2	1246.7	1318.7	1379.7	1414.3	1349.6	1244.0	1168.4	1122.9	1120.1
67.5°	1221.2	1224.9	1264.9	1356.9	1457.1	1505.4	1393.4	1255.8	1167.5	1112.0	1110.1
69°	1183.9	1186.6	1228.5	1325.1	1450.7	1520.9	1372.4	1217.6	1126.5	1072.8	1074.6
70°	1130.2	1141.1	1173.0	1271.3	1417.0	1507.2	1334.2	1174.8	1080.1	1037.3	1030.0
72.5°	886.1	893.4	946.2	1068.2	1264.9	1367.9	1172.1	994.5	897.9	853.3	864.2
75°	501.8	500.0	567.4	742.2	975.3	1095.6	922.5	715.8	575.6	521.8	529.1
77.5°	191.2	199.4	245.0	380.7	612.9	748.6	612.0	382.5	267.7	208.5	198.5
80°	61.9	65.6	86.5	138.4	261.4	422.6	286.0	147.5	92.9	70.1	65.6
82.5°	24.6	27.3	32.8	46.4	88.3	159.4	96.5	53.7	40.1	32.8	30.1
85°	13.7	12.7	17.3	20.9	30.1	45.5	32.8	25.5	21.9	15.5	14.6
87.5°	4.6	4.6	7.3	7.3	8.2	7.3	8.2	9.1	9.1	5.5	4.6
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)