

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: P573057

Luminaire Tested: **ARCH-S-PA2-30-730-U-5WQ**

Issue Date: 10/13/2021

Test Information

Test Method: LM-79-08
Report Number: P573057
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-PA2-30-730-U-5WQ
Description: ARCHEON ROADWAY AND AREA LUMINAIRE
(2) 70 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: 4930 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

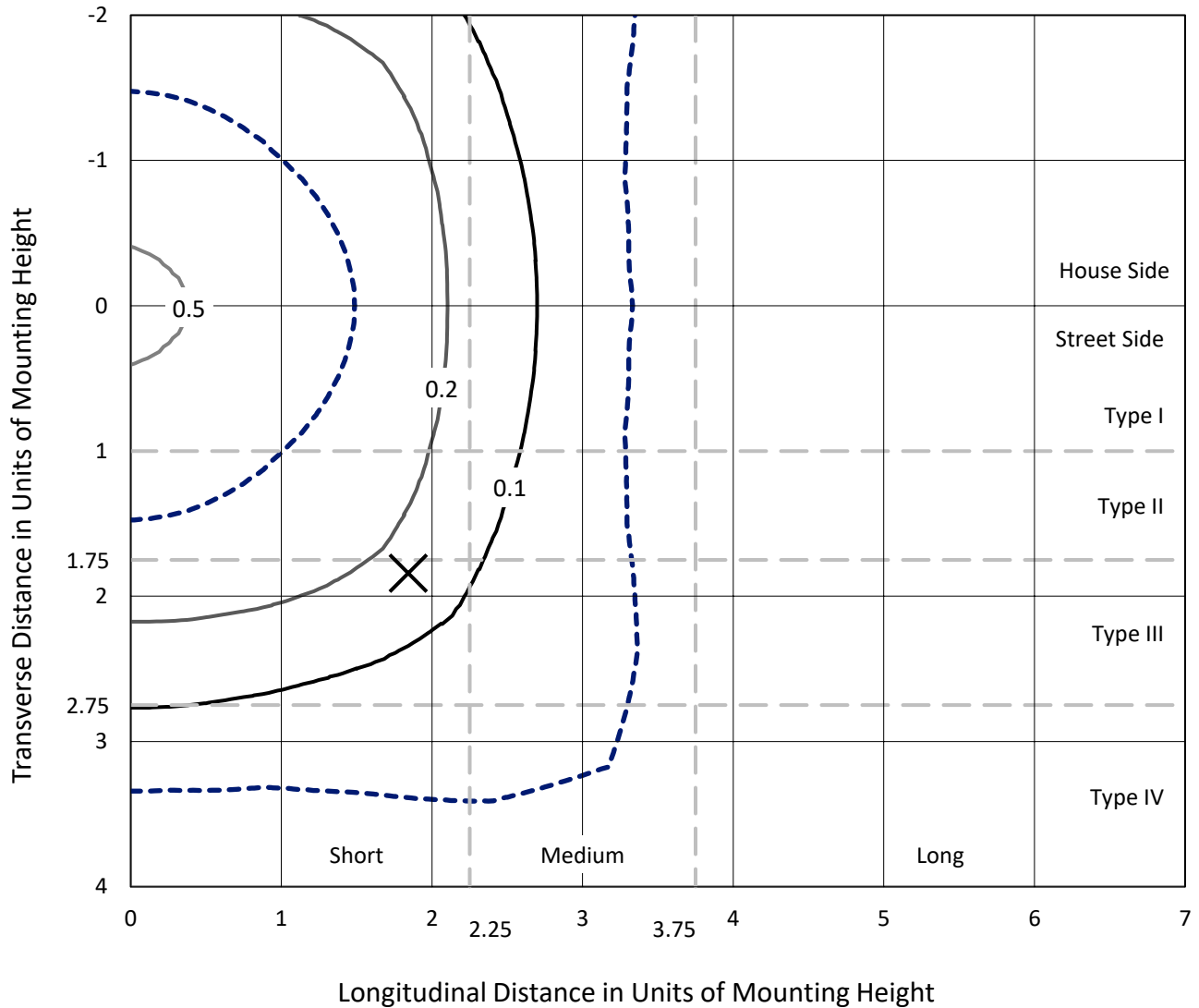
Input Watts (W): 33.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

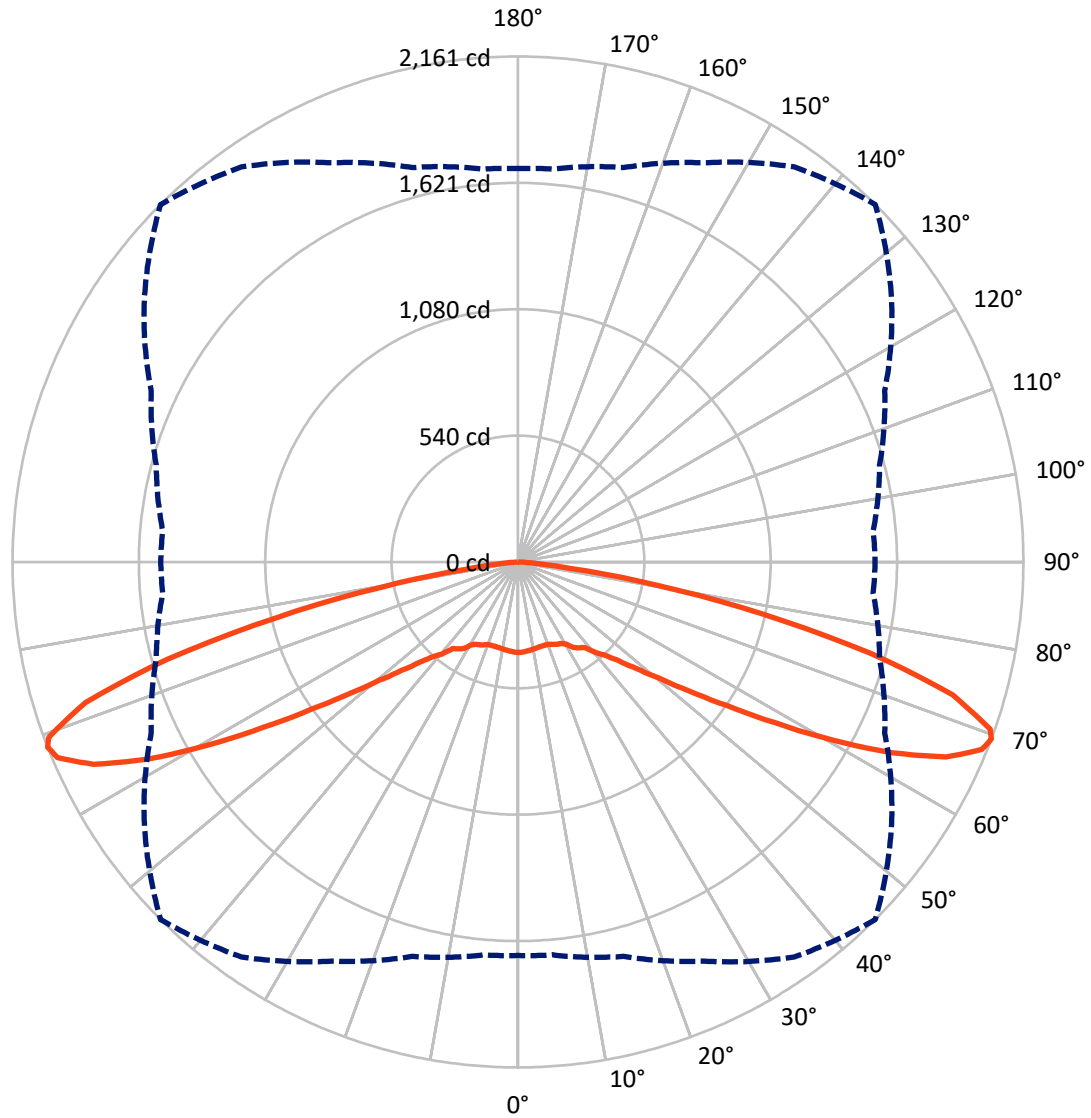
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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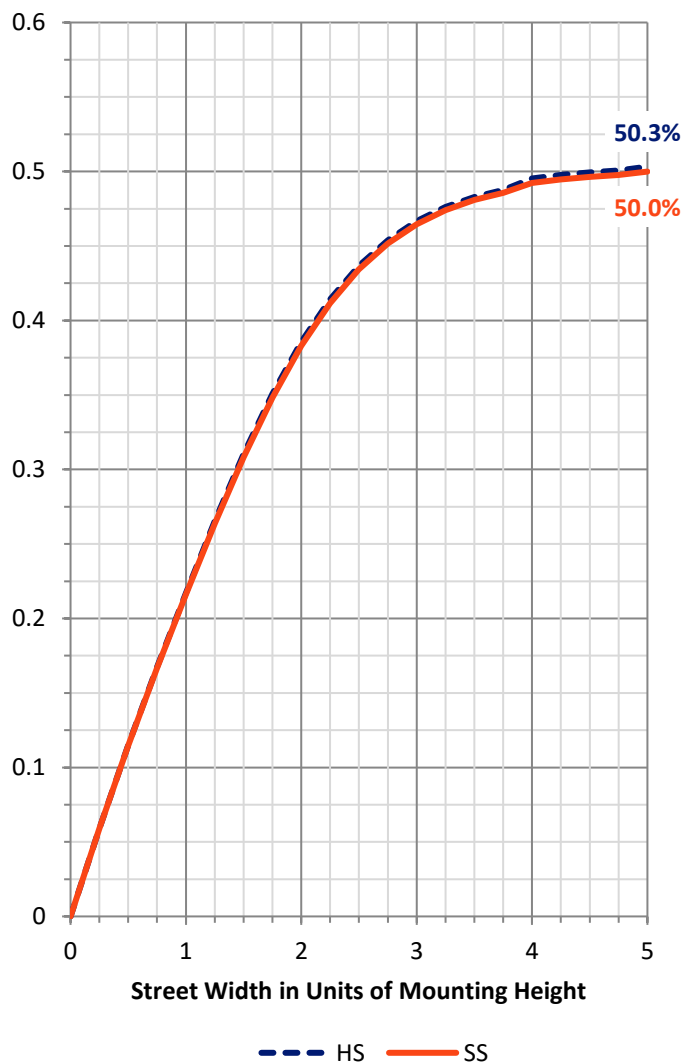
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2465.0	0.0	2465.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2465.0	0.0	2465.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4930.0	0.0	4930.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	0.7
10°-20°	107.2	2.2
20°-30°	181.7	3.7
30°-40°	282.5	5.7
40°-50°	485.0	9.8
50°-60°	965.0	19.6
60°-70°	1718.9	34.9
70°-80°	1082.6	22.0
80°-90°	70.7	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°	4930.0	100.0
0°-180°	4930.0	100.0

Coefficient of Utilization



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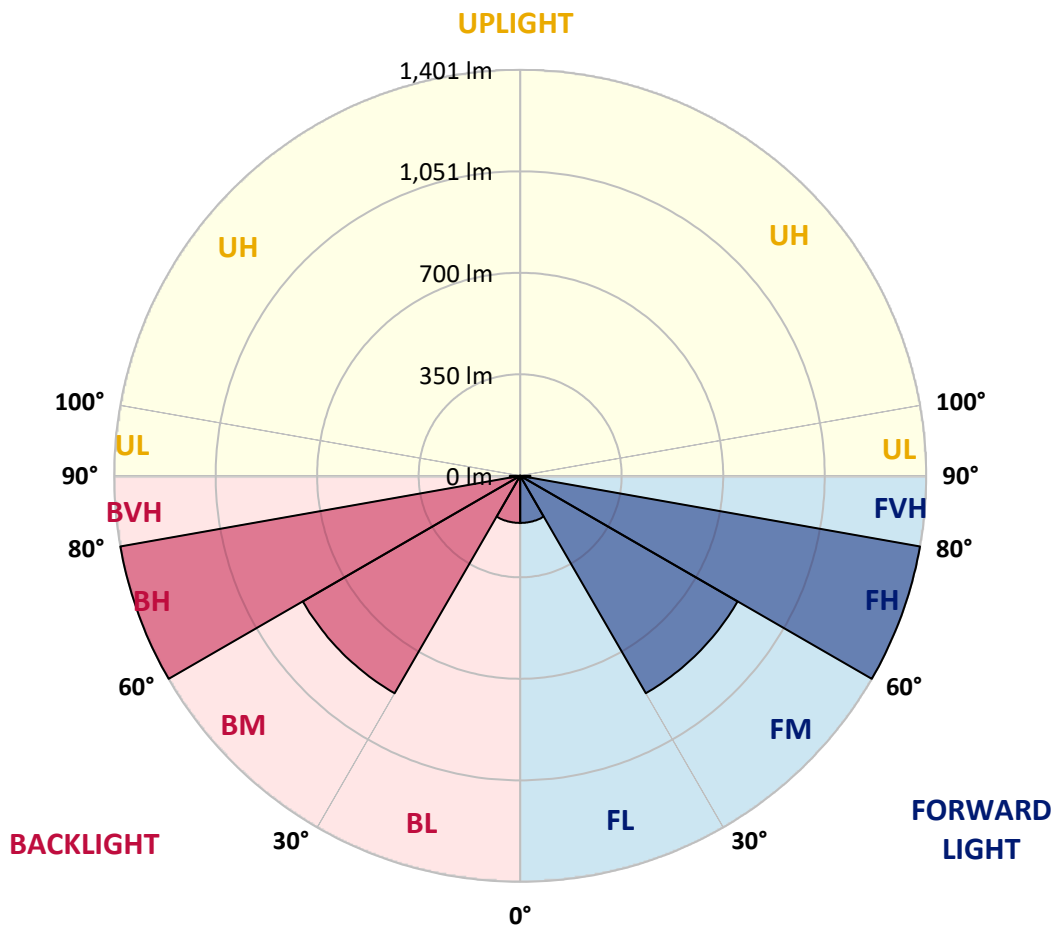
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.7	3.3			
FM (30°-60°)	866.2	17.6			
FH (60°-80°)	1400.7	28.4			G1/1800
FVH (80°-90°)	35.4	0.7			G1/100
BL (0°-30°)	162.7	3.3	B1/500		
BM (30°-60°)	866.2	17.6	B1/1000		
BH (60°-80°)	1400.7	28.4	B3/2500		G1/1800
BVH (80°-90°)	35.4	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9
2.5°	389.5	388.2	388.2	386.9	385.6	385.6	385.6	384.3	385.6	385.6	385.6
5°	388.2	386.9	385.6	384.3	384.3	383.0	384.3	383.0	383.0	383.0	383.0
7.5°	384.3	384.3	381.7	381.7	380.4	380.4	379.1	379.1	379.1	377.8	377.8
10°	384.3	383.0	381.7	379.1	377.8	377.8	377.8	376.5	377.8	377.8	377.8
12.5°	384.3	384.3	380.4	377.8	375.2	375.2	375.2	375.2	377.8	379.1	379.1
15°	386.9	385.6	381.7	376.5	373.9	373.9	373.9	375.2	377.8	380.4	380.4
17.5°	388.2	385.6	380.4	375.2	373.9	373.9	373.9	375.2	379.1	381.7	383.0
20°	389.5	388.2	381.7	376.5	375.2	375.2	375.2	375.2	379.1	383.0	384.3
22.5°	393.3	392.0	385.6	381.7	380.4	381.7	380.4	380.4	384.3	389.5	389.5
25°	398.5	395.9	389.5	386.9	386.9	389.5	389.5	386.9	390.7	394.6	395.9
27.5°	407.6	405.0	398.5	395.9	394.6	394.6	394.6	394.6	397.2	403.7	403.7
30°	415.3	414.0	411.4	411.4	410.2	407.6	407.6	410.2	411.4	414.0	415.3
32.5°	425.7	423.1	420.5	420.5	428.3	436.0	429.6	419.2	417.9	419.2	420.5
35°	447.7	445.1	438.6	434.7	442.5	450.3	439.9	433.4	437.3	441.2	441.2
37.5°	478.7	477.4	472.3	464.5	461.9	463.2	459.3	464.5	474.8	482.6	483.9
40°	511.1	509.8	504.6	500.7	502.0	508.5	505.9	500.7	507.2	512.4	512.4
42.5°	561.5	556.4	548.6	538.2	539.5	544.7	538.2	543.4	552.5	561.5	562.8
45°	628.8	623.6	613.3	604.2	597.8	600.4	600.4	609.4	619.8	630.1	634.0
47.5°	701.3	700.0	689.6	681.9	675.4	679.3	679.3	679.3	696.1	706.4	706.4
50°	790.5	786.7	786.7	780.2	777.6	778.9	773.7	778.9	786.7	789.3	785.4
52.5°	896.6	892.8	895.4	897.9	904.4	913.5	900.5	899.2	895.4	891.5	890.2
55°	1023.4	1027.3	1037.7	1054.5	1064.8	1083.0	1063.6	1040.3	1029.9	1019.6	1011.8
57.5°	1174.8	1181.3	1196.8	1236.9	1280.9	1297.7	1264.1	1221.4	1185.2	1155.4	1161.9
60°	1372.8	1368.9	1394.8	1449.1	1511.2	1544.9	1491.8	1422.0	1363.7	1349.5	1353.4
62.5°	1583.7	1591.5	1609.6	1682.0	1759.7	1795.9	1731.2	1627.7	1552.6	1513.8	1513.8
65°	1715.7	1720.8	1771.3	1873.5	1960.2	2009.4	1917.5	1767.4	1660.0	1595.3	1591.5
67.5°	1735.1	1740.2	1797.2	1927.9	2070.2	2138.8	1979.6	1784.2	1658.7	1579.8	1577.2
69°	1682.0	1685.9	1745.4	1882.6	2061.1	2160.7	1949.9	1729.9	1600.5	1524.2	1526.8
70°	1605.7	1621.2	1666.5	1806.2	2013.2	2141.3	1895.5	1669.1	1534.5	1473.7	1463.4
72.5°	1258.9	1269.3	1344.3	1517.7	1797.2	1943.4	1665.2	1412.9	1275.7	1212.3	1227.9
75°	712.9	710.3	806.1	1054.5	1385.7	1556.5	1310.7	1017.0	817.7	741.4	751.7
77.5°	271.7	283.4	348.0	540.8	870.8	1063.6	869.5	543.4	380.4	296.3	282.1
80°	88.0	93.2	122.9	196.7	371.3	600.4	406.3	209.6	132.0	99.6	93.2
82.5°	34.9	38.8	46.6	66.0	125.5	226.4	137.1	76.3	56.9	46.6	42.7
85°	19.4	18.1	24.6	29.8	42.7	64.7	46.6	36.2	31.1	22.0	20.7
87.5°	6.5	6.5	10.4	10.4	11.6	10.4	11.6	12.9	12.9	7.8	6.5
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)