

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: P399272

Luminaire Tested: **ARCH-L-PA3-120-730-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P399272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-568-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/19/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH-L-PA3-120-730-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 3000K, 530mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18508 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

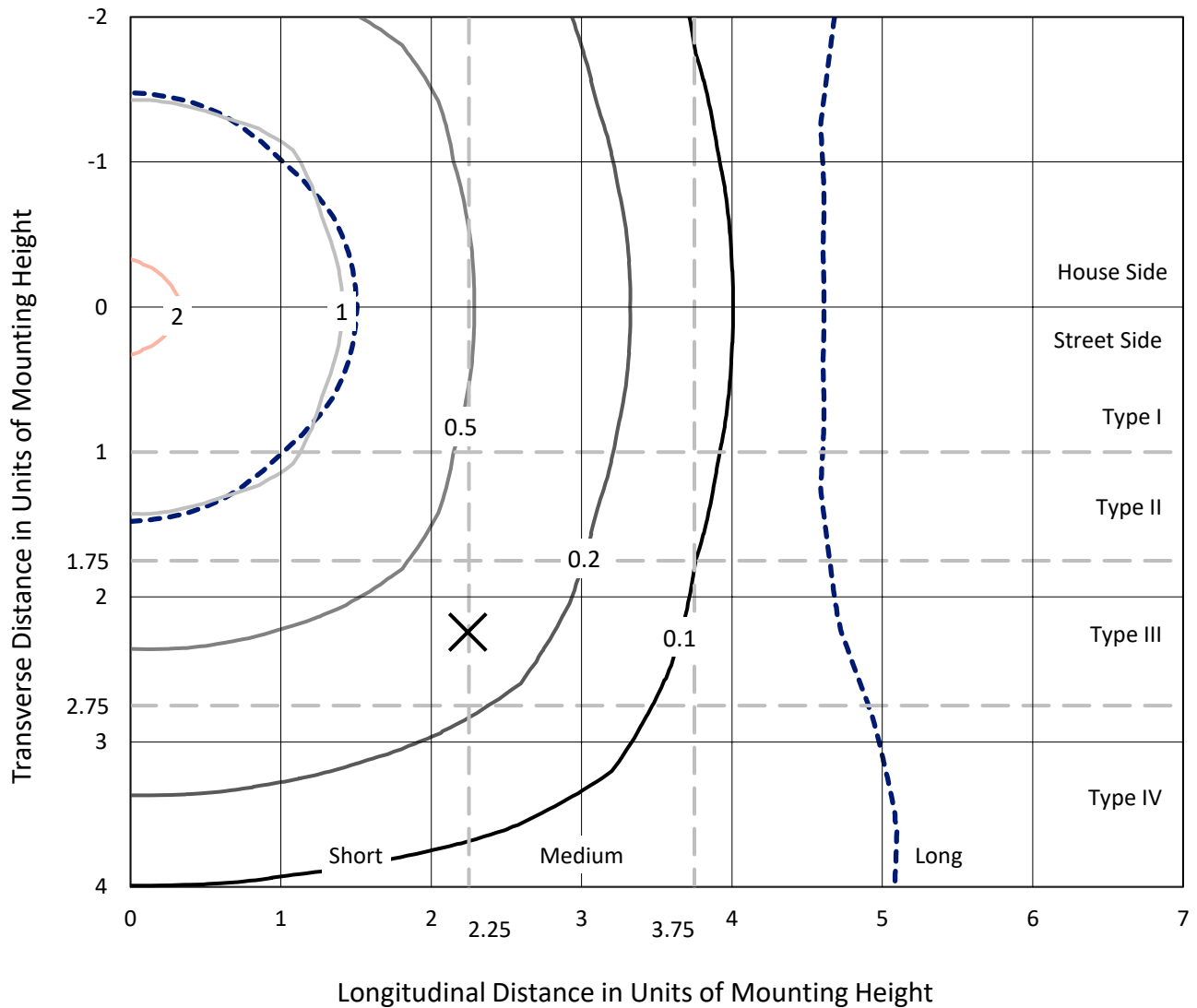
Input Watts (W): 123
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

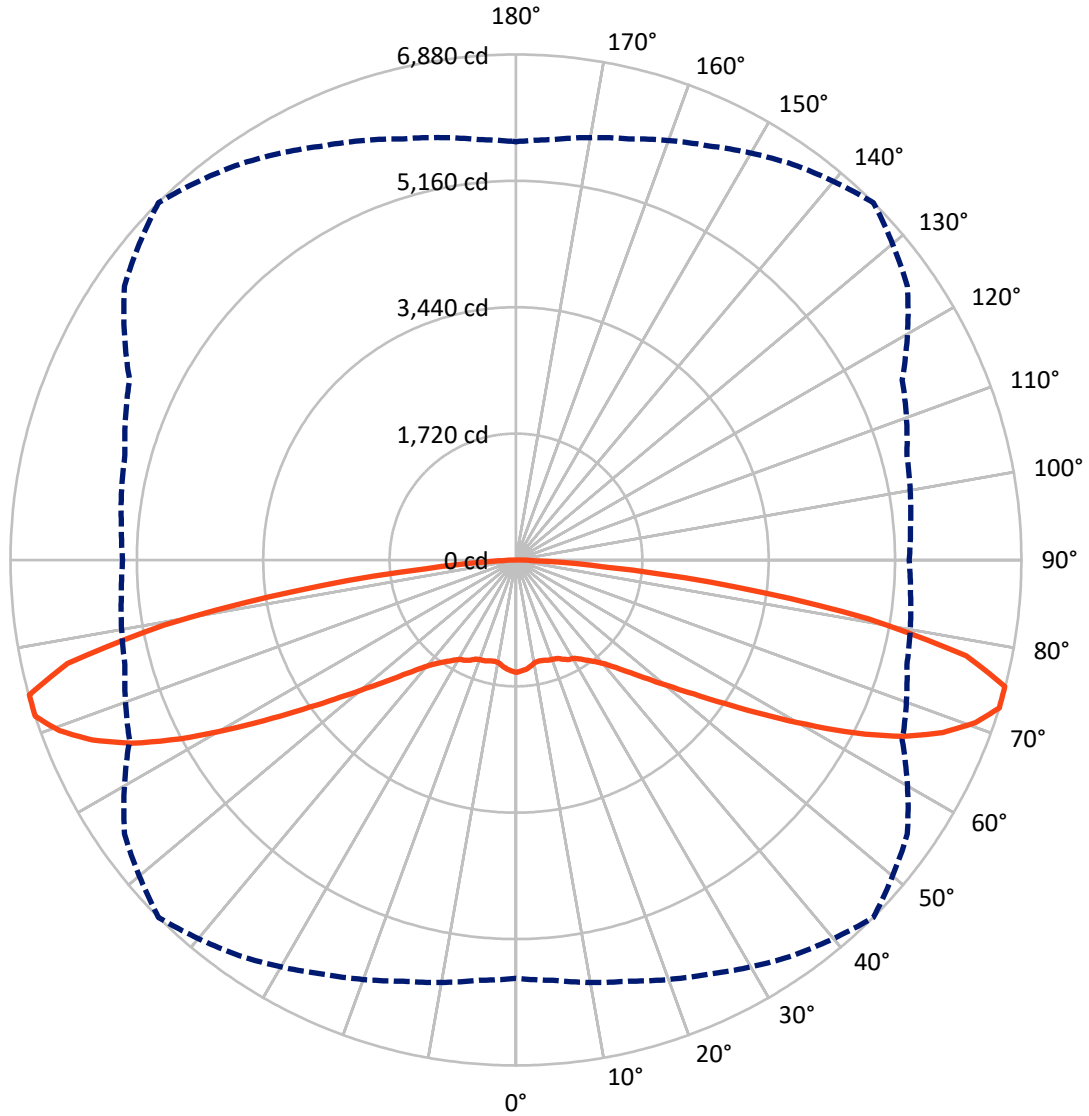
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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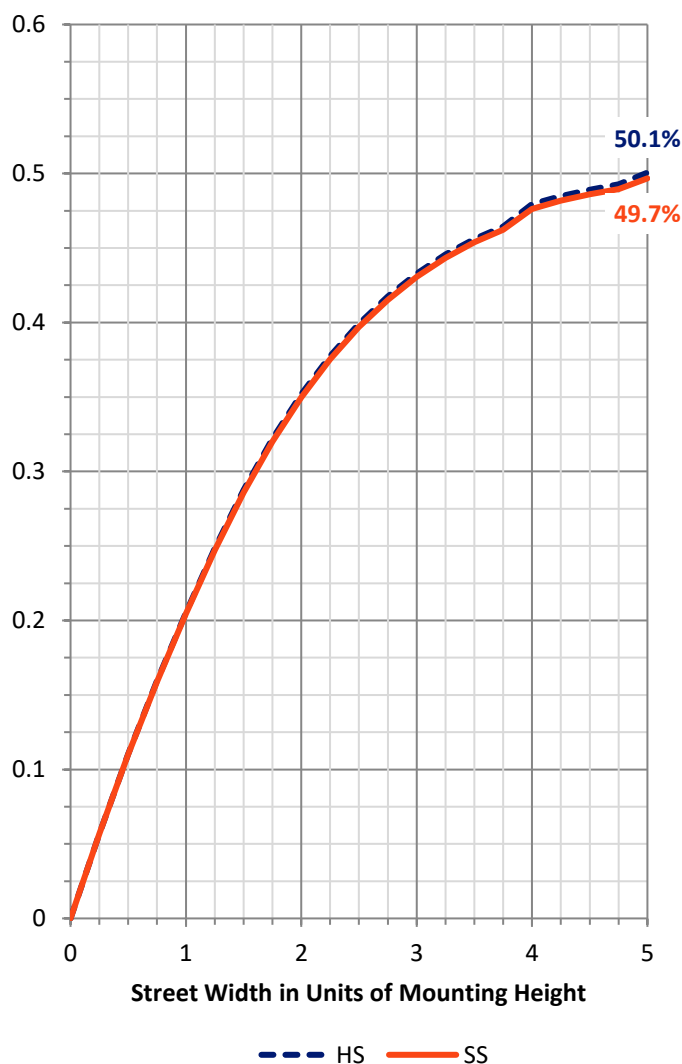
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9254.0	0.0	9254.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9254.0	0.0	9254.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18508.0	0.0	18508.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.4	0.8
10°-20°	407.7	2.2
20°-30°	692.7	3.7
30°-40°	1056.5	5.7
40°-50°	1739.7	9.4
50°-60°	3038.0	16.4
60°-70°	5093.2	27.5
70°-80°	5450.8	29.5
80°-90°	889.0	4.8
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°	18508.0	100.0
0°-180°	18508.0	100.0

Coefficient of Utilization

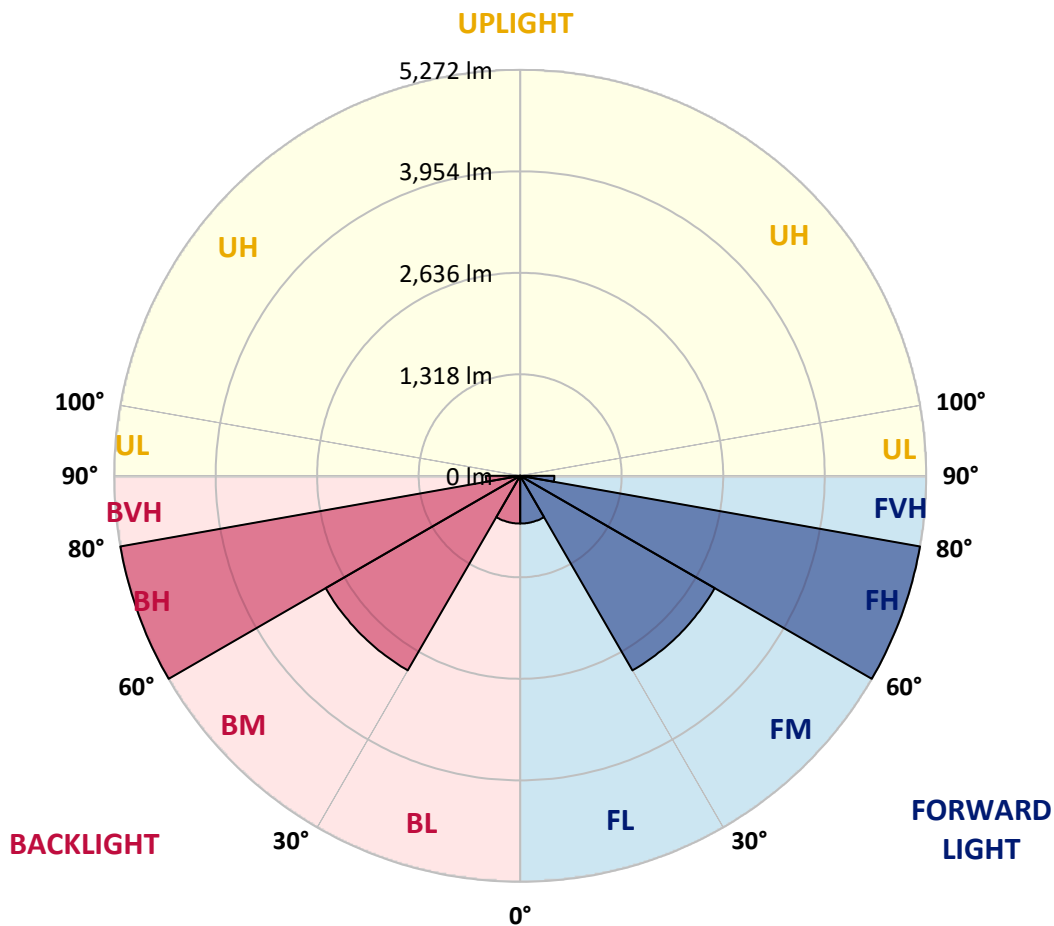


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	620.4	3.4			
FM (30°-60°)	2917.1	15.8			
FH (60°-80°)	5272.0	28.5			G3/7500
FVH (80°-90°)	444.5	2.4			G3/500
BL (0°-30°)	620.4	3.4	B2/1000		
BM (30°-60°)	2917.1	15.8	B3/5000		
BH (60°-80°)	5272.0	28.5	B5		G3/7500
BVH (80°-90°)	444.5	2.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6
2.5°	1522.1	1522.1	1522.1	1519.7	1515.0	1512.6	1507.9	1510.3	1510.3	1510.3	1510.3
5°	1503.2	1503.2	1500.8	1498.5	1493.7	1491.4	1486.7	1491.4	1491.4	1491.4	1491.4
7.5°	1467.7	1470.1	1470.1	1467.7	1460.7	1458.3	1451.2	1453.6	1453.6	1455.9	1453.6
10°	1448.8	1448.8	1446.5	1434.7	1422.8	1418.1	1415.7	1422.8	1429.9	1437.0	1437.0
12.5°	1448.8	1448.8	1444.1	1425.2	1408.7	1408.7	1408.7	1418.1	1432.3	1446.5	1448.8
15°	1455.9	1455.9	1446.5	1425.2	1415.7	1418.1	1418.1	1427.6	1444.1	1463.0	1465.4
17.5°	1460.7	1460.7	1448.8	1427.6	1427.6	1434.7	1429.9	1437.0	1453.6	1474.8	1477.2
20°	1467.7	1467.7	1451.2	1434.7	1434.7	1441.7	1441.7	1448.8	1463.0	1484.3	1486.7
22.5°	1481.9	1479.6	1463.0	1448.8	1448.8	1453.6	1458.3	1467.7	1479.6	1498.5	1503.2
25°	1498.5	1498.5	1484.3	1481.9	1486.7	1498.5	1496.1	1493.7	1498.5	1515.0	1522.1
27.5°	1507.9	1507.9	1498.5	1505.6	1524.5	1533.9	1522.1	1512.6	1512.6	1529.2	1531.6
30°	1538.6	1536.3	1526.8	1531.6	1548.1	1552.8	1545.7	1533.9	1541.0	1559.9	1562.3
32.5°	1590.6	1590.6	1576.5	1576.5	1588.3	1607.2	1583.6	1576.5	1585.9	1607.2	1609.6
35°	1671.0	1671.0	1652.1	1642.6	1652.1	1678.1	1642.6	1640.3	1656.8	1680.5	1682.8
37.5°	1772.6	1772.6	1760.8	1737.2	1739.5	1756.1	1725.4	1723.0	1753.7	1779.7	1779.7
40°	1900.3	1907.4	1895.5	1867.2	1857.7	1860.1	1836.5	1838.8	1874.3	1905.0	1905.0
42.5°	2058.6	2063.3	2044.4	2023.2	2011.4	2004.3	1980.6	1985.4	2027.9	2068.1	2068.1
45°	2250.1	2252.4	2233.5	2207.5	2193.3	2188.6	2165.0	2176.8	2224.1	2266.6	2264.2
47.5°	2465.1	2467.5	2448.6	2422.6	2413.1	2420.2	2396.6	2396.6	2439.1	2474.6	2469.9
50°	2708.6	2713.3	2692.0	2680.2	2673.1	2692.0	2663.7	2637.7	2666.0	2701.5	2696.8
52.5°	2978.0	2989.8	2975.7	2980.4	3006.4	3030.0	2982.8	2926.0	2940.2	2963.8	2956.8
55°	3304.2	3318.4	3323.1	3339.6	3408.2	3448.4	3370.4	3275.8	3268.7	3271.1	3259.3
57.5°	3670.5	3680.0	3710.7	3748.5	3890.3	3954.2	3831.3	3668.2	3616.2	3585.5	3578.4
60°	4039.2	4055.8	4131.4	4209.4	4426.9	4542.7	4353.6	4079.4	3968.3	3911.6	3899.8
62.5°	4410.3	4443.4	4566.3	4698.7	5015.4	5187.9	4897.2	4500.1	4339.4	4268.5	4249.6
65°	4840.5	4880.7	5029.6	5197.4	5549.5	5793.0	5440.8	4935.0	4762.5	4667.9	4644.3
67.5°	5343.9	5386.5	5507.0	5693.7	6027.0	6265.7	5953.7	5379.4	5154.8	5034.3	5015.4
70°	5757.5	5795.3	5925.3	6114.4	6362.6	6634.4	6336.6	5733.9	5530.6	5445.5	5433.7
72.5°	5693.7	5743.3	5934.8	6218.4	6572.9	6880.2	6504.4	5802.4	5509.4	5391.2	5353.4
75°	4972.8	5027.2	5254.1	5767.0	6414.6	6873.1	6261.0	5346.3	5001.2	4901.9	4883.0
77.5°	3292.4	3344.4	3727.3	4535.6	5601.5	6263.3	5525.9	4478.9	3923.4	3684.7	3670.5
80°	1330.7	1396.8	1763.2	2621.1	3970.7	4868.8	4098.3	2866.9	1933.4	1559.9	1484.3
82.5°	309.6	368.7	536.5	966.7	2032.6	3032.4	2209.9	1070.7	621.6	442.0	397.1
85°	130.0	132.4	229.3	314.3	635.8	1224.3	723.2	390.0	316.7	231.6	226.9
87.5°	49.6	52.0	111.1	132.4	203.3	231.6	245.8	200.9	186.7	115.8	111.1
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)