

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: P399344

Luminaire Tested: **ARCH-L-PA3-130-730-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P399344
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-PA3-130-730-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 3000K, 575mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19836 lumens
Efficiency: N/A
Efficacy: 149.1 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

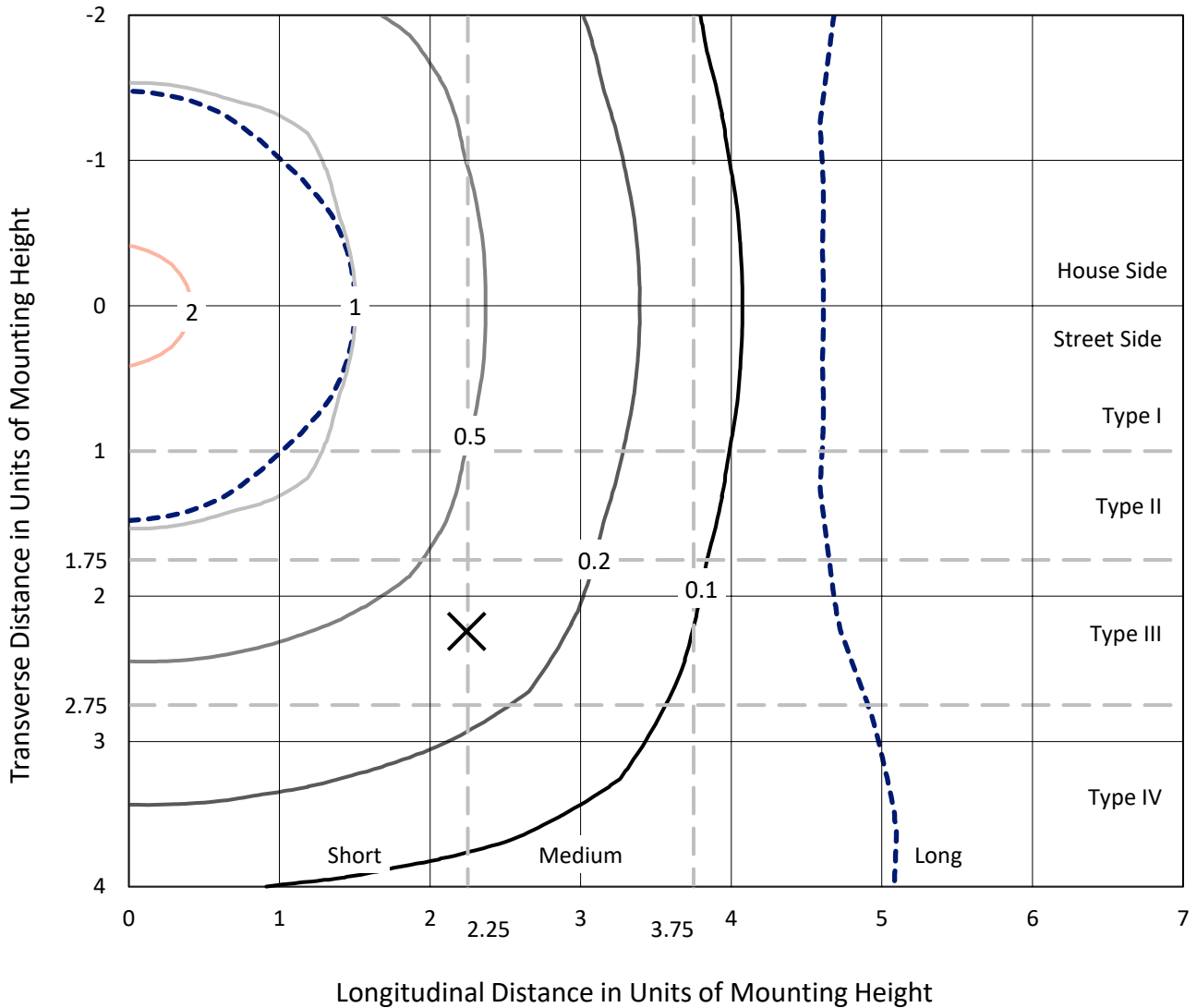
Input Watts (W): 133
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

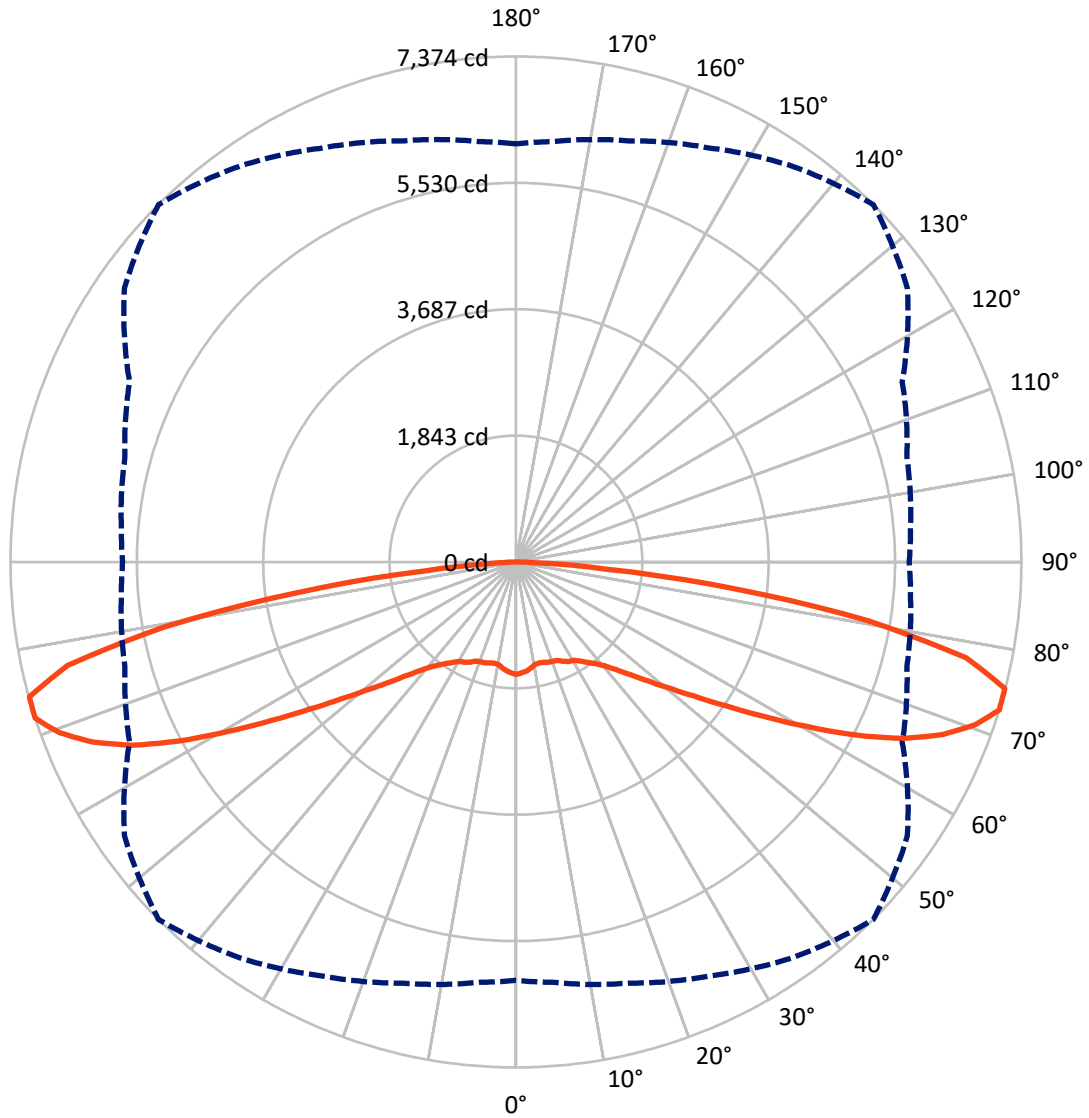
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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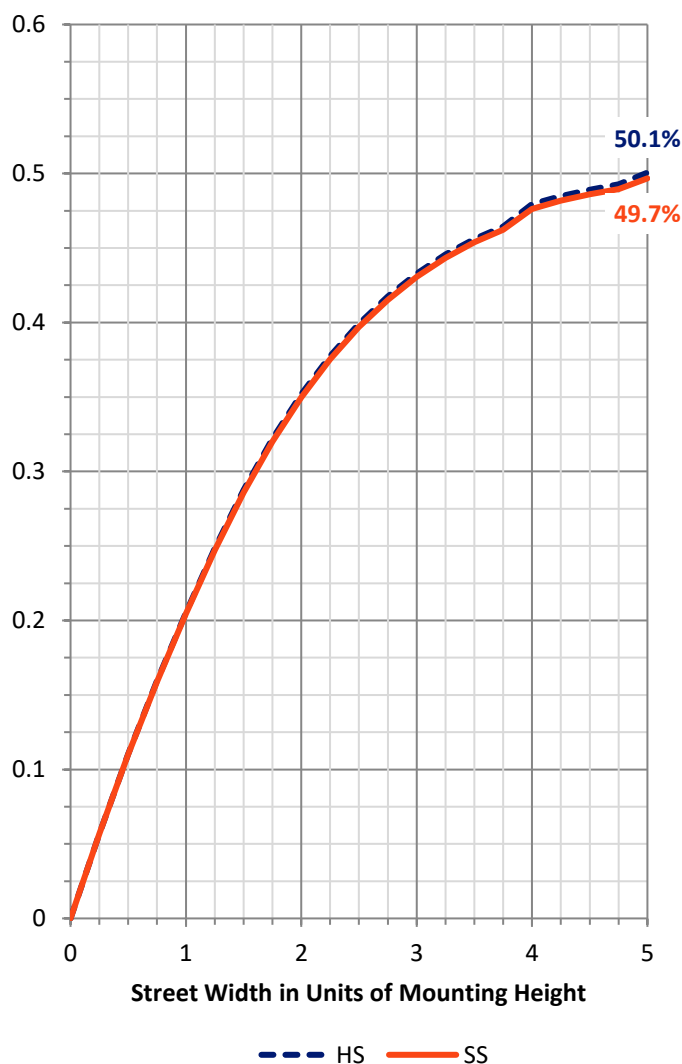
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9918.0	0.0	9918.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9918.0	0.0	9918.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19836.0	0.0	19836.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	0.8
10°-20°	436.9	2.2
20°-30°	742.4	3.7
30°-40°	1132.3	5.7
40°-50°	1864.5	9.4
50°-60°	3256.0	16.4
60°-70°	5458.7	27.5
70°-80°	5841.9	29.5
80°-90°	952.8	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°	19836.0	100.0
0°-180°	19836.0	100.0

Coefficient of Utilization



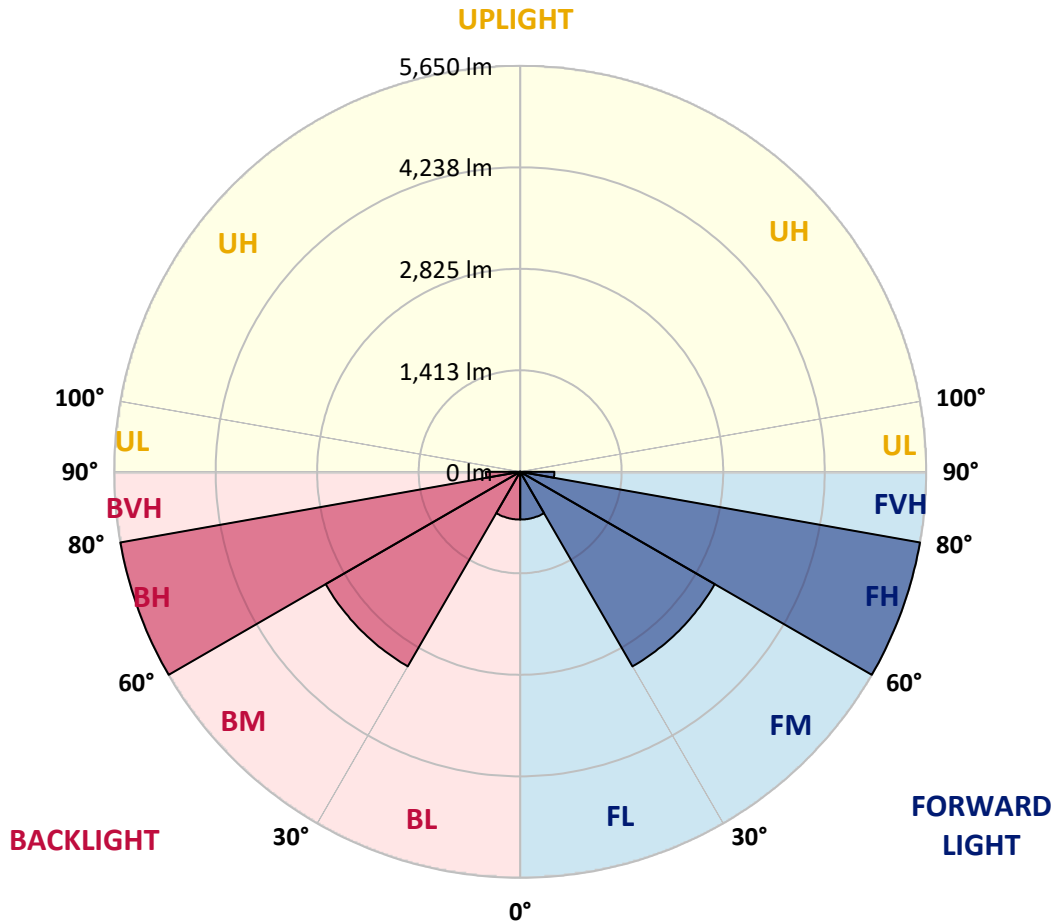
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	664.9	3.4			
FM (30°-60°)	3126.4	15.8			
FH (60°-80°)	5650.3	28.5			G3/7500
FVH (80°-90°)	476.4	2.4			G3/500
BL (0°-30°)	664.9	3.4	B2/1000		
BM (30°-60°)	3126.4	15.8	B3/5000		
BH (60°-80°)	5650.3	28.5	B5		G3/7500
BVH (80°-90°)	476.4	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°	1641.5	1641.5	1641.5	1641.5	1641.5	1641.5	1641.5	1641.5	1641.5	1641.5	1641.5
2.5°	1631.3	1631.3	1631.3	1628.8	1623.7	1621.2	1616.1	1618.7	1618.7	1618.7	1618.7
5°	1611.1	1611.1	1608.5	1606.0	1600.9	1598.4	1593.3	1598.4	1598.4	1598.4	1598.4
7.5°	1573.1	1575.6	1575.6	1573.1	1565.5	1562.9	1555.3	1557.9	1557.9	1560.4	1557.9
10°	1552.8	1552.8	1550.3	1537.6	1524.9	1519.9	1517.3	1524.9	1532.5	1540.1	1540.1
12.5°	1552.8	1552.8	1547.7	1527.5	1509.7	1509.7	1509.7	1519.9	1535.1	1550.3	1552.8
15°	1560.4	1560.4	1550.3	1527.5	1517.3	1519.9	1519.9	1530.0	1547.7	1568.0	1570.5
17.5°	1565.5	1565.5	1552.8	1530.0	1530.0	1537.6	1532.5	1540.1	1557.9	1580.7	1583.2
20°	1573.1	1573.1	1555.3	1537.6	1537.6	1545.2	1545.2	1552.8	1568.0	1590.8	1593.3
22.5°	1588.3	1585.7	1568.0	1552.8	1552.8	1557.9	1562.9	1573.1	1585.7	1606.0	1611.1
25°	1606.0	1606.0	1590.8	1588.3	1593.3	1606.0	1603.5	1600.9	1606.0	1623.7	1631.3
27.5°	1616.1	1616.1	1606.0	1613.6	1633.9	1644.0	1631.3	1621.2	1621.2	1638.9	1641.5
30°	1649.1	1646.5	1636.4	1641.5	1659.2	1664.2	1656.6	1644.0	1651.6	1671.8	1674.4
32.5°	1704.8	1704.8	1689.6	1689.6	1702.2	1722.5	1697.2	1689.6	1699.7	1722.5	1725.0
35°	1790.9	1790.9	1770.6	1760.5	1770.6	1798.5	1760.5	1758.0	1775.7	1801.0	1803.6
37.5°	1899.8	1899.8	1887.2	1861.8	1864.4	1882.1	1849.2	1846.6	1879.6	1907.4	1907.4
40°	2036.6	2044.2	2031.5	2001.2	1991.0	1993.6	1968.2	1970.8	2008.8	2041.7	2041.7
42.5°	2206.3	2211.4	2191.1	2168.3	2155.7	2148.1	2122.7	2127.8	2173.4	2216.5	2216.5
45°	2411.5	2414.0	2393.8	2365.9	2350.7	2345.7	2320.3	2333.0	2383.7	2429.2	2426.7
47.5°	2642.0	2644.6	2624.3	2596.4	2586.3	2593.9	2568.6	2568.6	2614.2	2652.2	2647.1
50°	2902.9	2908.0	2885.2	2872.5	2864.9	2885.2	2854.8	2826.9	2857.3	2895.3	2890.3
52.5°	3191.7	3204.4	3189.2	3194.2	3222.1	3247.4	3196.8	3136.0	3151.2	3176.5	3168.9
55°	3541.3	3556.5	3561.5	3579.3	3652.7	3695.8	3612.2	3510.9	3503.3	3505.8	3493.1
57.5°	3933.9	3944.0	3977.0	4017.5	4169.5	4237.9	4106.2	3931.4	3875.6	3842.7	3835.1
60°	4329.1	4346.8	4427.9	4511.5	4744.5	4868.6	4666.0	4372.1	4253.1	4192.3	4179.6
62.5°	4726.8	4762.2	4894.0	5035.8	5375.2	5560.2	5248.6	4823.0	4650.8	4574.8	4554.5
65°	5187.8	5230.9	5390.4	5570.3	5947.7	6208.6	5831.2	5289.1	5104.2	5002.9	4977.5
67.5°	5727.3	5772.9	5902.1	6102.2	6459.4	6715.3	6380.9	5765.3	5524.7	5395.5	5375.2
70°	6170.6	6211.2	6350.5	6553.1	6819.1	7110.4	6791.3	6145.3	5927.5	5836.3	5823.6
72.5°	6102.2	6155.4	6360.6	6664.6	7044.6	7373.9	6971.1	6218.8	5904.7	5778.0	5737.5
75°	5329.6	5387.9	5631.1	6180.8	6874.8	7366.3	6710.2	5729.9	5360.0	5253.7	5233.4
77.5°	3528.6	3584.3	3994.7	4861.0	6003.5	6712.7	5922.4	4800.2	4205.0	3949.1	3933.9
80°	1426.1	1497.1	1889.7	2809.2	4255.6	5218.2	4392.4	3072.7	2072.1	1671.8	1590.8
82.5°	331.8	395.2	575.0	1036.0	2178.5	3250.0	2368.5	1147.5	666.2	473.7	425.6
85°	139.3	141.9	245.7	336.9	681.4	1312.1	775.1	418.0	339.4	248.2	243.2
87.5°	53.2	55.7	119.1	141.9	217.8	248.2	263.4	215.3	200.1	124.1	119.1
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)