

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: P399353

Luminaire Tested: **ARCH-L-PA3-130-740-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P399353
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-PA3-130-740-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 4000K, 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: 21781 lumens
Efficiency: N/A
Efficacy: 163.8 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

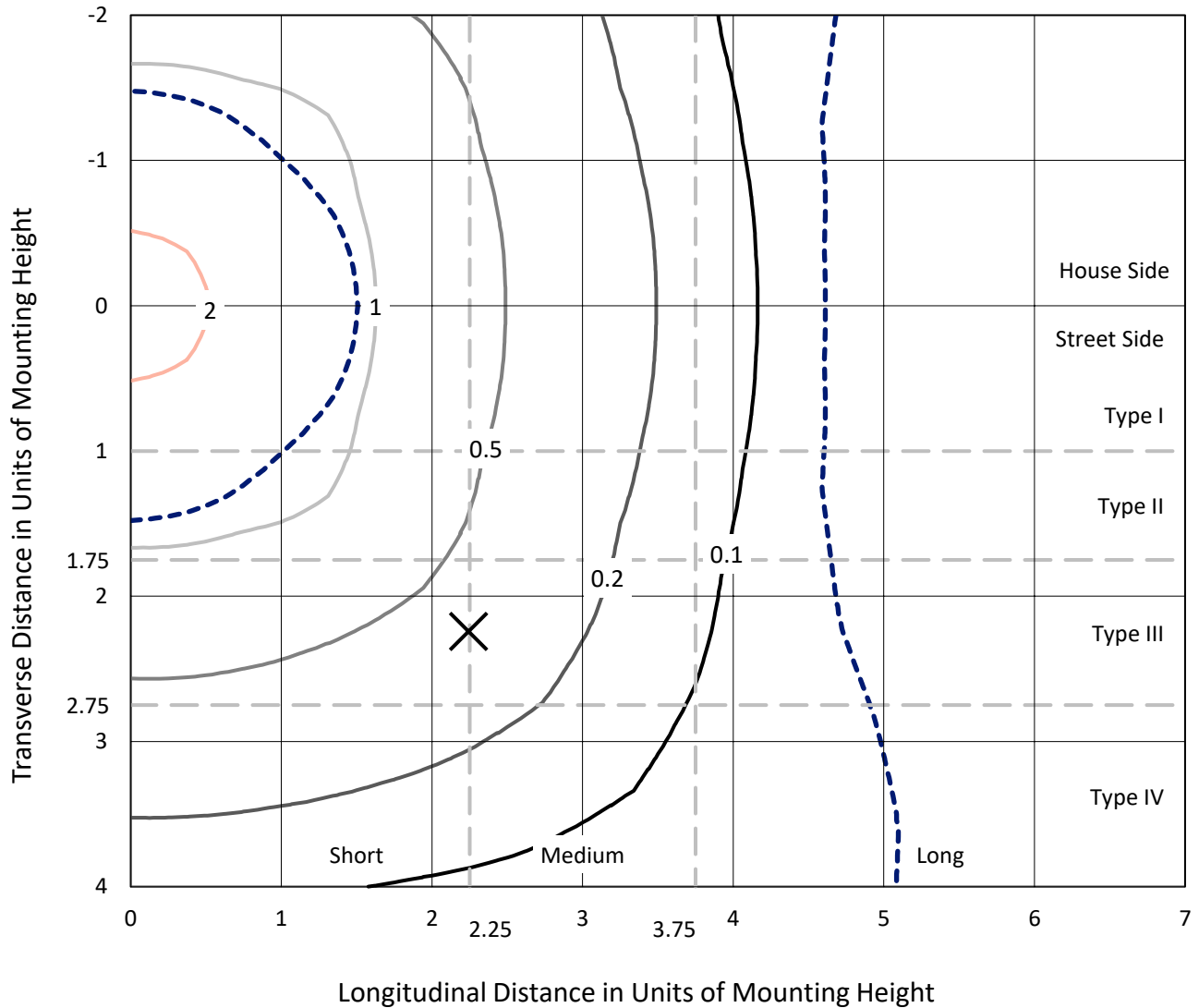
Input Watts (W): 133
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

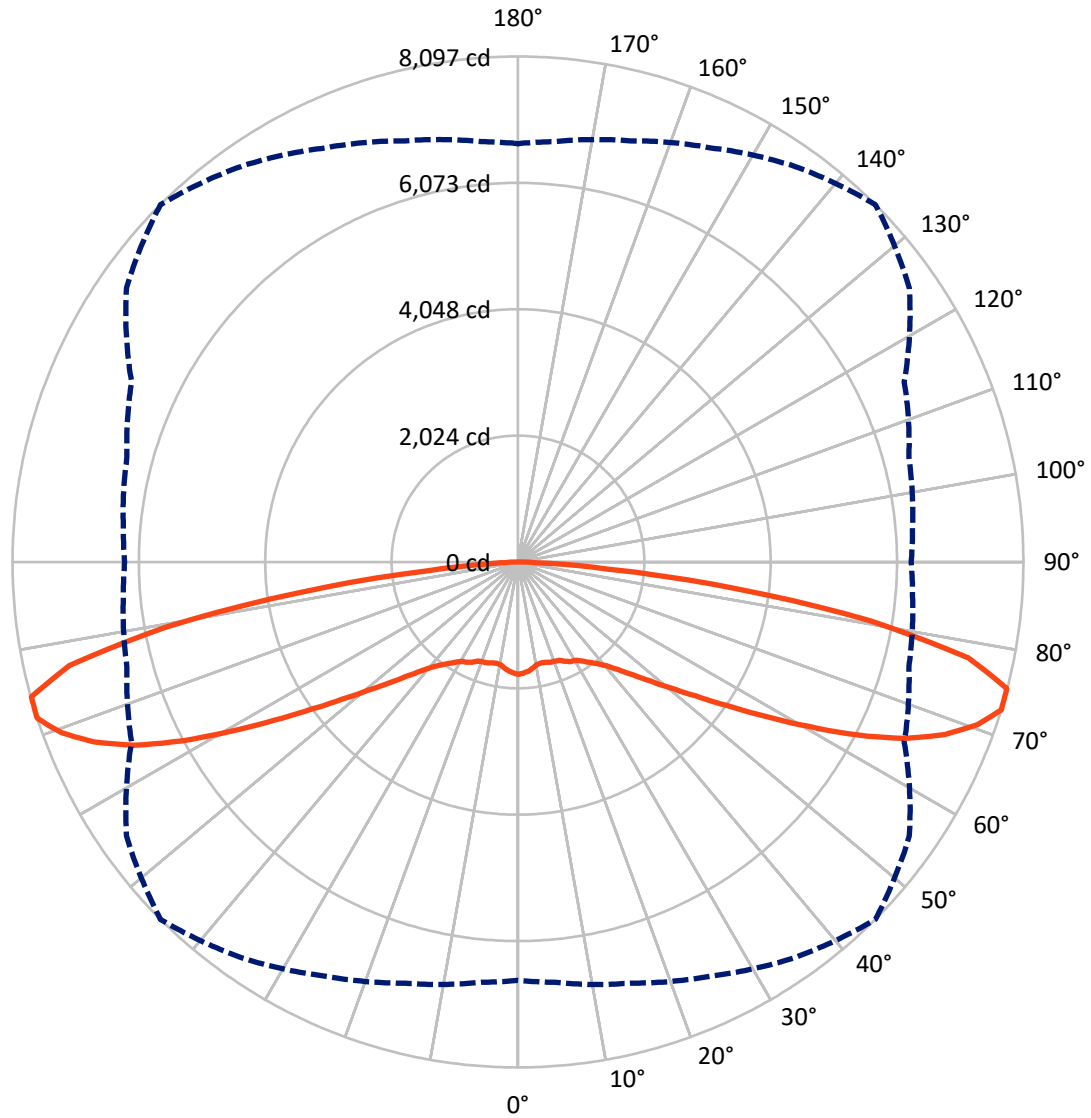
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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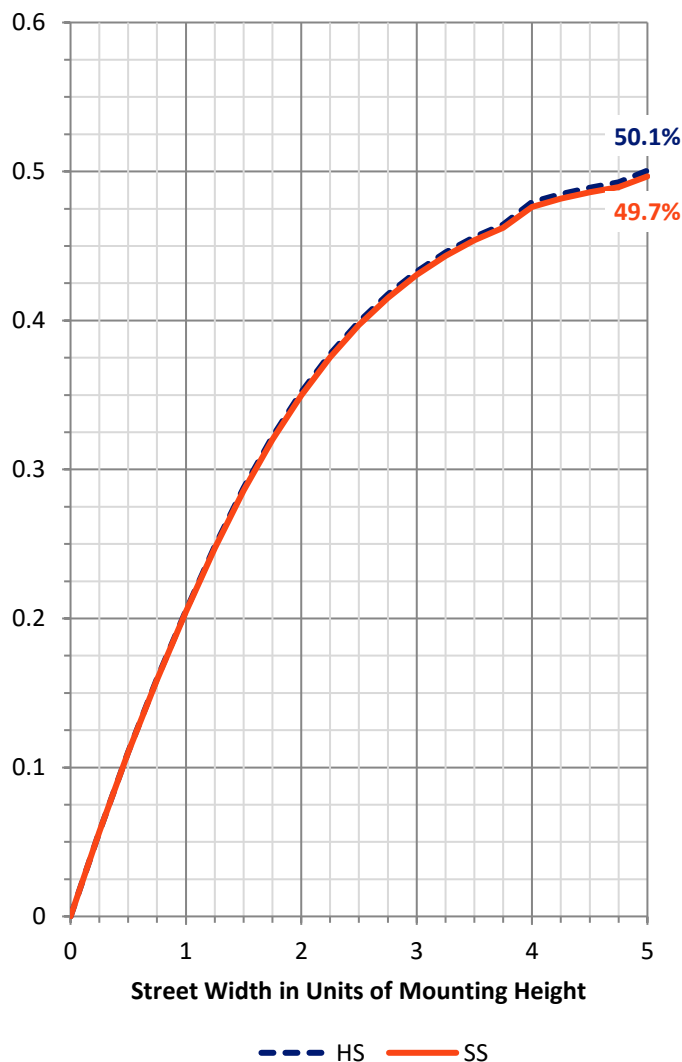
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10890.5	0.0	10890.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10890.5	0.0	10890.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21781.0	0.0	21781.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.3	0.8
10°-20°	479.8	2.2
20°-30°	815.2	3.7
30°-40°	1243.4	5.7
40°-50°	2047.3	9.4
50°-60°	3575.2	16.4
60°-70°	5993.9	27.5
70°-80°	6414.7	29.5
80°-90°	1046.2	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°	21781.0	100.0
0°-180°	21781.0	100.0

Coefficient of Utilization

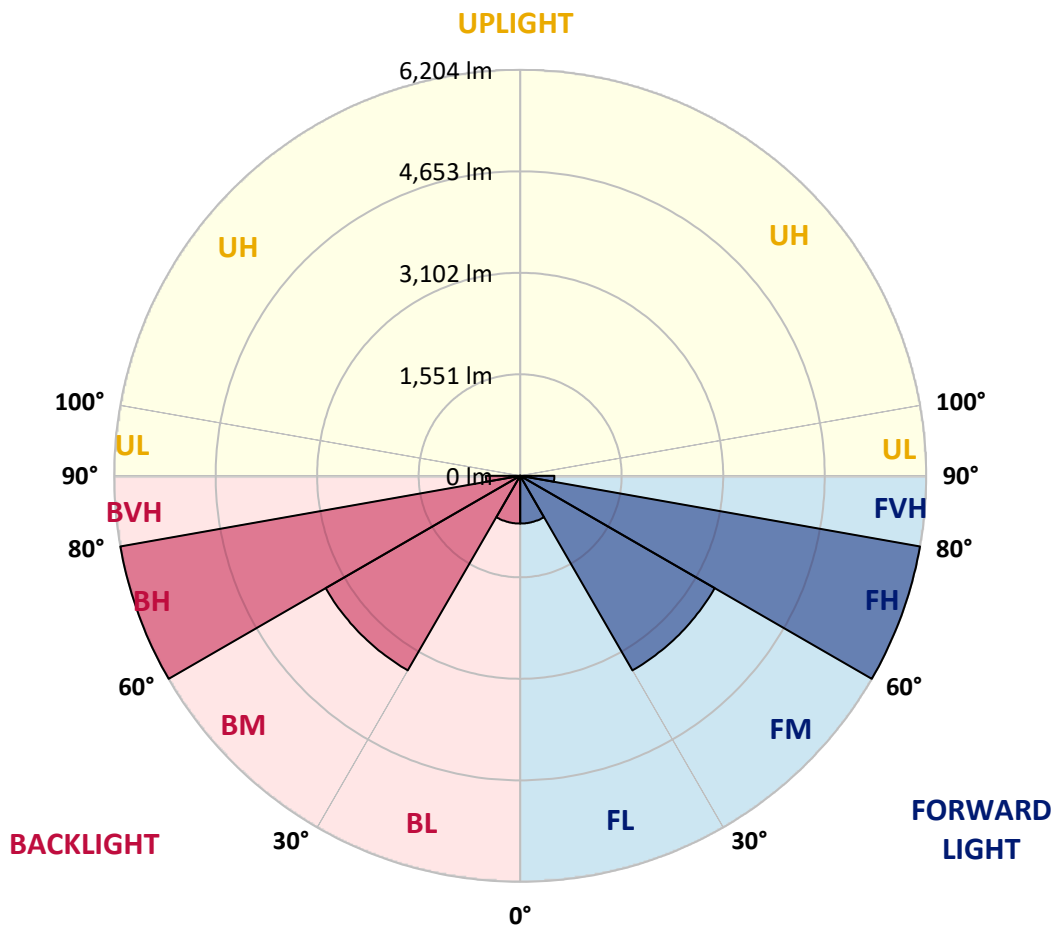


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	730.1	3.4			
FM (30°-60°)	3432.9	15.8			
FH (60°-80°)	6204.3	28.5			G3/7500
FVH (80°-90°)	523.1	2.4			G4/750
BL (0°-30°)	730.1	3.4	B2/1000		
BM (30°-60°)	3432.9	15.8	B3/5000		
BH (60°-80°)	6204.3	28.5	B5		G3/7500
BVH (80°-90°)	523.1	2.4			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4	1802.4
2.5°	1791.3	1791.3	1791.3	1788.5	1782.9	1780.2	1774.6	1777.4	1777.4	1777.4	1777.4
5°	1769.0	1769.0	1766.2	1763.5	1757.9	1755.1	1749.6	1755.1	1755.1	1755.1	1755.1
7.5°	1727.3	1730.1	1730.1	1727.3	1719.0	1716.2	1707.8	1710.6	1710.6	1713.4	1710.6
10°	1705.1	1705.1	1702.3	1688.4	1674.5	1668.9	1666.1	1674.5	1682.8	1691.1	1691.1
12.5°	1705.1	1705.1	1699.5	1677.2	1657.8	1657.8	1657.8	1668.9	1685.6	1702.3	1705.1
15°	1713.4	1713.4	1702.3	1677.2	1666.1	1668.9	1668.9	1680.0	1699.5	1721.7	1724.5
17.5°	1719.0	1719.0	1705.1	1680.0	1680.0	1688.4	1682.8	1691.1	1710.6	1735.6	1738.4
20°	1727.3	1727.3	1707.8	1688.4	1688.4	1696.7	1696.7	1705.1	1721.7	1746.8	1749.6
22.5°	1744.0	1741.2	1721.7	1705.1	1705.1	1710.6	1716.2	1727.3	1741.2	1763.5	1769.0
25°	1763.5	1763.5	1746.8	1744.0	1749.6	1763.5	1760.7	1757.9	1763.5	1782.9	1791.3
27.5°	1774.6	1774.6	1763.5	1771.8	1794.1	1805.2	1791.3	1780.2	1780.2	1799.6	1802.4
30°	1810.7	1808.0	1796.8	1802.4	1821.9	1827.4	1819.1	1805.2	1813.5	1835.8	1838.6
32.5°	1871.9	1871.9	1855.3	1855.3	1869.2	1891.4	1863.6	1855.3	1866.4	1891.4	1894.2
35°	1966.5	1966.5	1944.3	1933.1	1944.3	1974.9	1933.1	1930.4	1949.8	1977.6	1980.4
37.5°	2086.1	2086.1	2072.2	2044.4	2047.2	2066.6	2030.5	2027.7	2063.9	2094.5	2094.5
40°	2236.3	2244.7	2230.8	2197.4	2186.2	2189.0	2161.2	2164.0	2205.7	2241.9	2241.9
42.5°	2422.7	2428.2	2406.0	2381.0	2367.0	2358.7	2330.9	2336.4	2386.5	2433.8	2433.8
45°	2648.0	2650.8	2628.5	2597.9	2581.2	2575.7	2547.8	2561.7	2617.4	2667.4	2664.7
47.5°	2901.1	2903.9	2881.6	2851.0	2839.9	2848.2	2820.4	2820.4	2870.5	2912.2	2906.7
50°	3187.6	3193.1	3168.1	3154.2	3145.9	3168.1	3134.7	3104.1	3137.5	3179.2	3173.7
52.5°	3504.7	3518.6	3501.9	3507.5	3538.0	3565.9	3510.2	3443.5	3460.2	3488.0	3479.6
55°	3888.5	3905.2	3910.8	3930.2	4010.9	4058.2	3966.4	3855.1	3846.8	3849.6	3835.7
57.5°	4319.6	4330.8	4366.9	4411.4	4578.3	4653.4	4508.8	4316.9	4255.7	4219.5	4211.2
60°	4753.6	4773.0	4862.0	4953.8	5209.7	5346.0	5123.5	4800.8	4670.1	4603.4	4589.4
62.5°	5190.3	5229.2	5373.8	5529.6	5902.3	6105.4	5763.2	5295.9	5106.8	5023.4	5001.1
65°	5696.5	5743.8	5919.0	6116.5	6530.9	6817.4	6403.0	5807.7	5604.7	5493.4	5465.6
67.5°	6288.9	6339.0	6480.9	6700.6	7092.8	7373.7	7006.6	6330.7	6066.4	5924.6	5902.3
70°	6775.7	6820.2	6973.2	7195.7	7487.8	7807.6	7457.2	6747.9	6508.7	6408.5	6394.6
72.5°	6700.6	6759.0	6984.3	7318.1	7735.3	8096.9	7654.6	6828.5	6483.6	6344.6	6300.1
75°	5852.2	5916.2	6183.2	6786.8	7548.9	8088.6	7368.2	6291.7	5885.6	5768.8	5746.5
77.5°	3874.6	3935.8	4386.4	5337.7	6592.1	7370.9	6503.1	5270.9	4617.3	4336.3	4319.6
80°	1566.0	1643.9	2075.0	3084.7	4672.9	5729.9	4823.1	3373.9	2275.3	1835.8	1746.8
82.5°	364.4	433.9	631.4	1137.6	2392.1	3568.6	2600.7	1260.0	731.5	520.1	467.3
85°	153.0	155.8	269.8	369.9	748.2	1440.8	851.1	458.9	372.7	272.6	267.0
87.5°	58.4	61.2	130.7	155.8	239.2	272.6	289.3	236.4	219.7	136.3	130.7
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)