

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: P399911

Luminaire Tested: **ARCH-L-PA3-210-727-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P399911
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-PA3-210-727-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 2700K, 900mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25786 lumens
Efficiency: N/A
Efficacy: 122.2 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

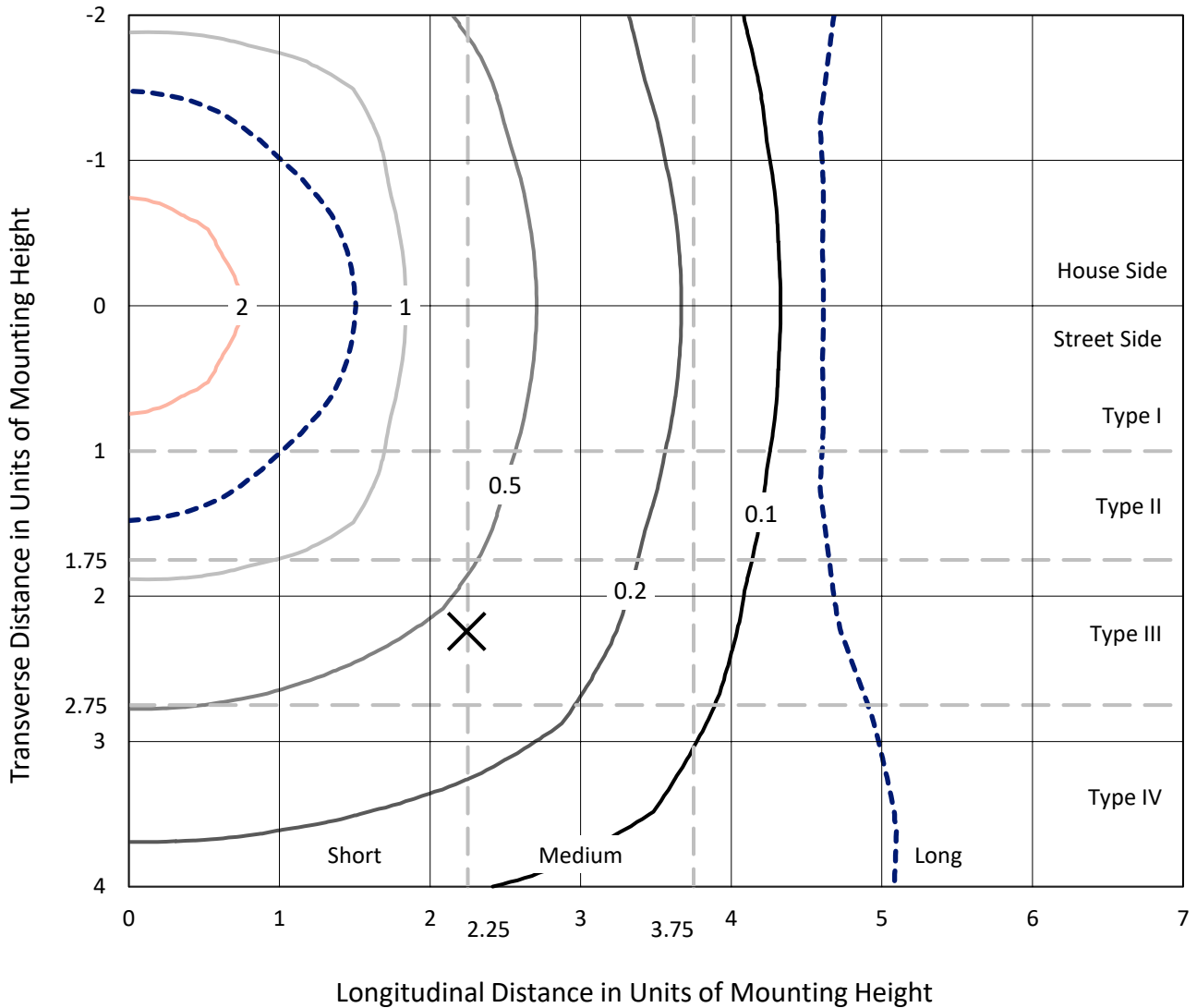
Input Watts (W): 211
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

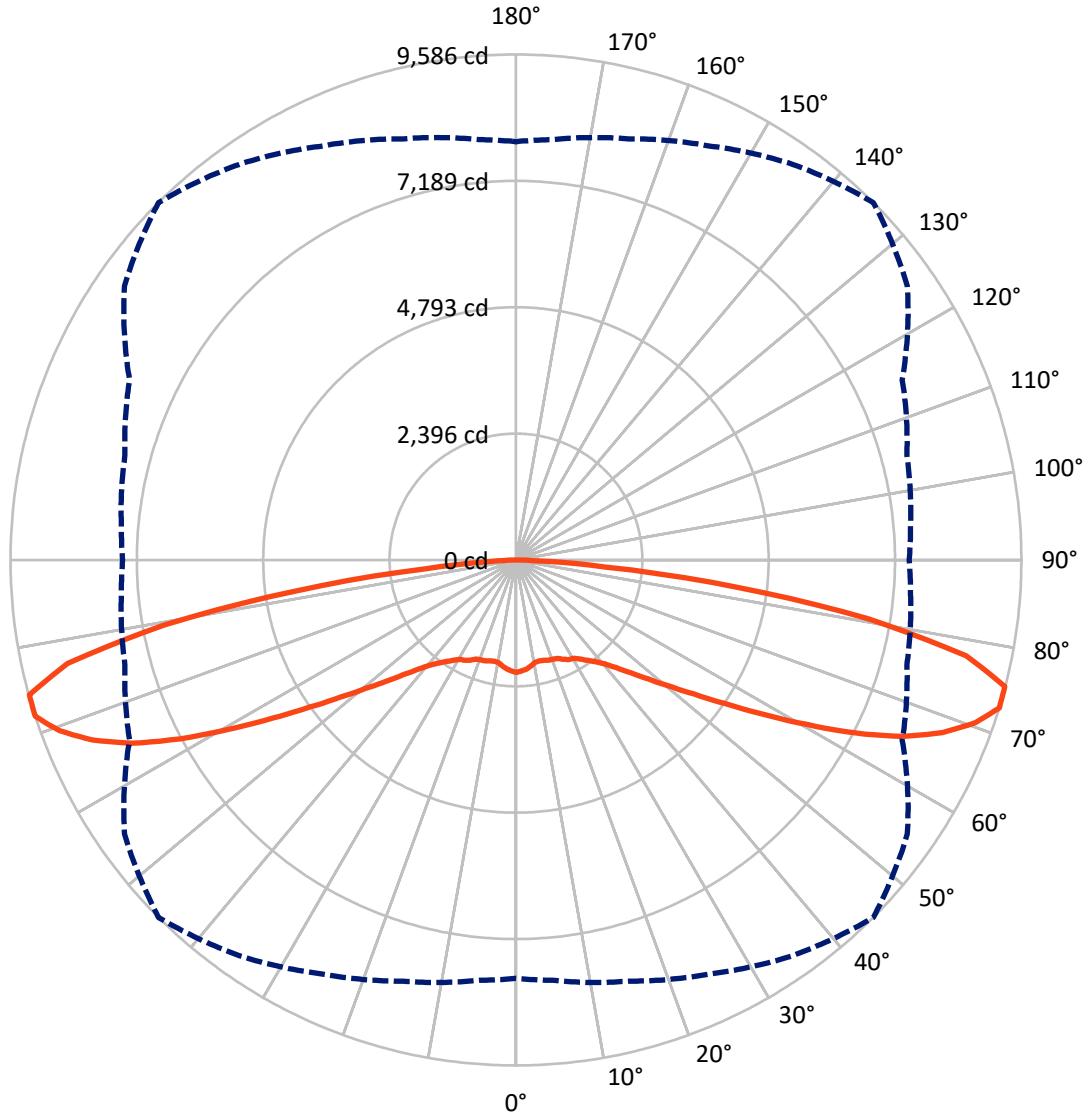
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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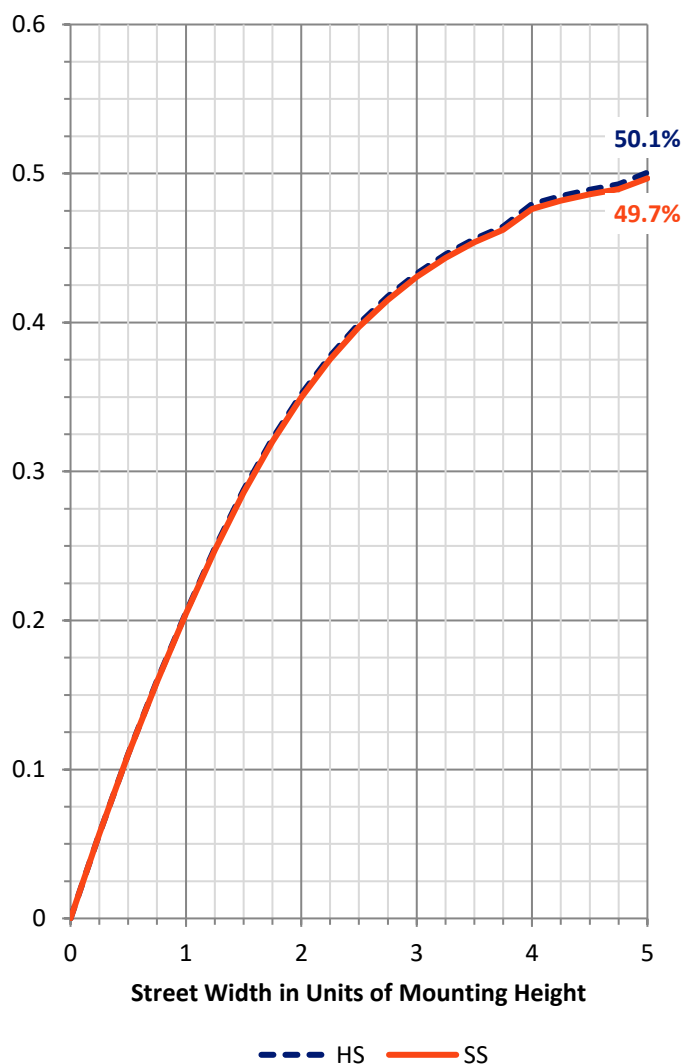
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12893.0	0.0	12893.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12893.0	0.0	12893.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25786.0	0.0	25786.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.7	0.8
10°-20°	568.0	2.2
20°-30°	965.1	3.7
30°-40°	1472.0	5.7
40°-50°	2423.8	9.4
50°-60°	4232.6	16.4
60°-70°	7096.1	27.5
70°-80°	7594.3	29.5
80°-90°	1238.6	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°	25786.0	100.0
0°-180°	25786.0	100.0

Coefficient of Utilization

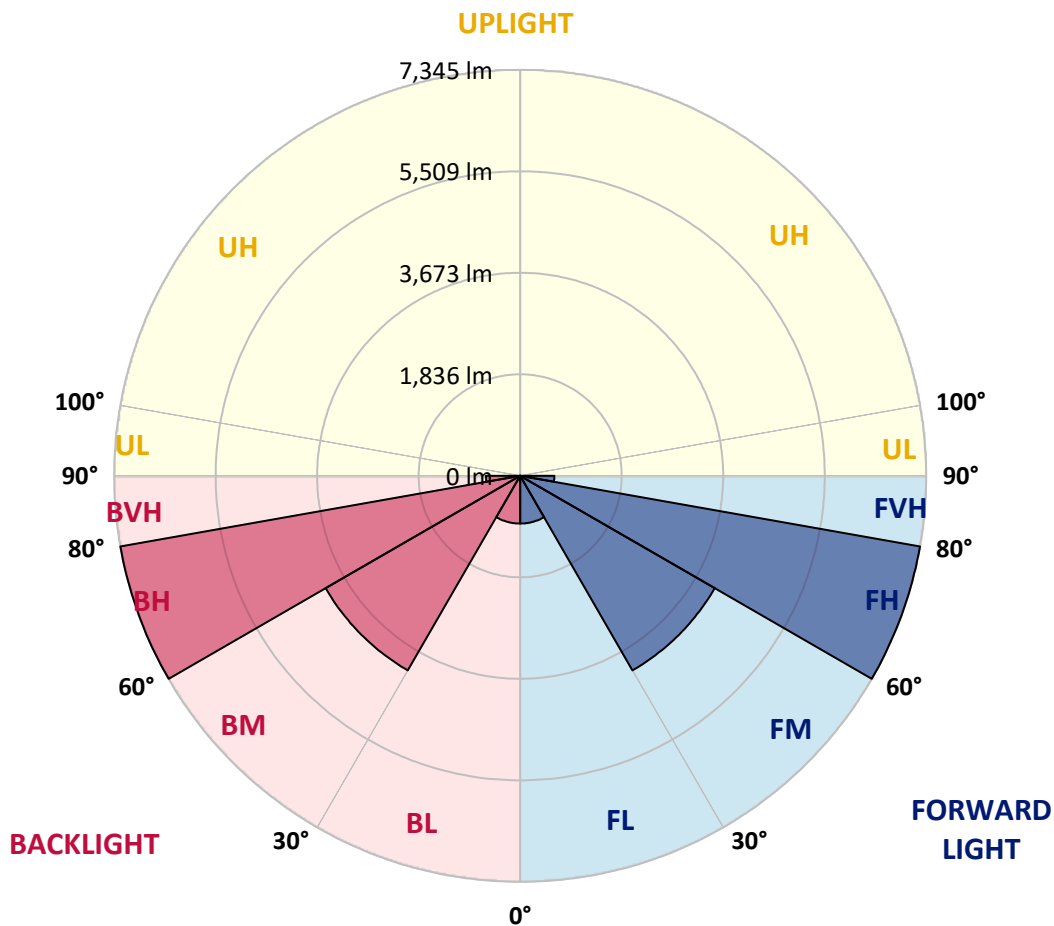


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	864.3	3.4			
FM (30°-60°)	4064.2	15.8			
FH (60°-80°)	7345.2	28.5			G3/7500
FVH (80°-90°)	619.3	2.4			G4/750
BL (0°-30°)	864.3	3.4	B2/1000		
BM (30°-60°)	4064.2	15.8	B3/5000		
BH (60°-80°)	7345.2	28.5	B5		G3/7500
BVH (80°-90°)	619.3	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°	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8
2.5°	2120.6	2120.6	2120.6	2117.4	2110.8	2107.5	2100.9	2104.2	2104.2	2104.2	2104.2
5°	2094.3	2094.3	2091.0	2087.7	2081.1	2077.8	2071.3	2077.8	2077.8	2077.8	2077.8
7.5°	2044.9	2048.2	2048.2	2044.9	2035.0	2031.7	2021.9	2025.2	2025.2	2028.4	2025.2
10°	2018.6	2018.6	2015.3	1998.8	1982.3	1975.8	1972.5	1982.3	1992.2	2002.1	2002.1
12.5°	2018.6	2018.6	2012.0	1985.6	1962.6	1962.6	1962.6	1975.8	1995.5	2015.3	2018.6
15°	2028.4	2028.4	2015.3	1985.6	1972.5	1975.8	1975.8	1988.9	2012.0	2038.3	2041.6
17.5°	2035.0	2035.0	2018.6	1988.9	1988.9	1998.8	1992.2	2002.1	2025.2	2054.8	2058.1
20°	2044.9	2044.9	2021.9	1998.8	1998.8	2008.7	2008.7	2018.6	2038.3	2068.0	2071.3
22.5°	2064.7	2061.4	2038.3	2018.6	2018.6	2025.2	2031.7	2044.9	2061.4	2087.7	2094.3
25°	2087.7	2087.7	2068.0	2064.7	2071.3	2087.7	2084.4	2081.1	2087.7	2110.8	2120.6
27.5°	2100.9	2100.9	2087.7	2097.6	2123.9	2137.1	2120.6	2107.5	2107.5	2130.5	2133.8
30°	2143.7	2140.4	2127.2	2133.8	2156.9	2163.5	2153.6	2137.1	2147.0	2173.3	2176.6
32.5°	2216.1	2216.1	2196.4	2196.4	2212.9	2239.2	2206.3	2196.4	2209.6	2239.2	2242.5
35°	2328.1	2328.1	2301.8	2288.6	2301.8	2338.0	2288.6	2285.3	2308.3	2341.3	2344.6
37.5°	2469.7	2469.7	2453.2	2420.3	2423.6	2446.6	2403.8	2400.5	2443.4	2479.6	2479.6
40°	2647.5	2657.4	2640.9	2601.4	2588.2	2591.5	2558.6	2561.9	2611.3	2654.1	2654.1
42.5°	2868.1	2874.7	2848.4	2818.8	2802.3	2792.4	2759.5	2766.1	2825.3	2881.3	2881.3
45°	3134.9	3138.2	3111.8	3075.6	3055.8	3049.3	3016.3	3032.8	3098.6	3157.9	3154.6
47.5°	3434.5	3437.8	3411.5	3375.3	3362.1	3372.0	3339.0	3339.0	3398.3	3447.7	3441.1
50°	3773.7	3780.3	3750.6	3734.2	3724.3	3750.6	3711.1	3674.9	3714.4	3763.8	3757.2
52.5°	4149.1	4165.6	4145.8	4152.4	4188.6	4221.5	4155.7	4076.7	4096.4	4129.3	4119.5
55°	4603.5	4623.3	4629.9	4652.9	4748.4	4804.4	4695.7	4564.0	4554.1	4557.4	4541.0
57.5°	5113.9	5127.1	5169.9	5222.6	5420.2	5509.1	5337.8	5110.6	5038.2	4995.4	4985.5
60°	5627.6	5650.7	5756.0	5864.7	6167.7	6329.0	6065.6	5683.6	5528.8	5449.8	5433.3
62.5°	6144.6	6190.7	6361.9	6546.3	6987.6	7228.0	6823.0	6269.7	6045.8	5947.0	5920.7
65°	6743.9	6799.9	7007.4	7241.2	7731.8	8071.0	7580.3	6875.6	6635.3	6503.5	6470.6
67.5°	7445.3	7504.6	7672.5	7932.7	8397.0	8729.6	8294.9	7494.7	7181.9	7013.9	6987.6
70°	8021.6	8074.3	8255.4	8518.8	8864.6	9243.3	8828.4	7988.7	7705.5	7586.9	7570.5
72.5°	7932.7	8001.8	8268.6	8663.7	9157.6	9585.7	9062.1	8084.1	7675.8	7511.2	7458.5
75°	6928.3	7004.1	7320.2	8034.8	8937.0	9575.8	8723.0	7448.6	6967.8	6829.5	6803.2
77.5°	4587.1	4659.5	5193.0	6319.1	7804.2	8726.3	7698.9	6240.1	5466.3	5133.7	5113.9
80°	1853.9	1946.1	2456.5	3651.9	5532.1	6783.4	5709.9	3994.3	2693.6	2173.3	2068.0
82.5°	431.4	513.7	747.5	1346.8	2831.9	4224.8	3078.9	1491.7	866.0	615.8	553.2
85°	181.1	184.4	319.4	438.0	885.8	1705.7	1007.6	543.3	441.3	322.7	316.1
87.5°	69.2	72.4	154.8	184.4	283.2	322.7	342.5	279.9	260.1	161.4	154.8
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)