

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: P400316

Luminaire Tested: **ARCH-L-PA3-260-827-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P400316
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-PA3-260-827-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 80 CRI, 2700K, 1110mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26036 lumens
Efficiency: N/A
Efficacy: 99.8 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

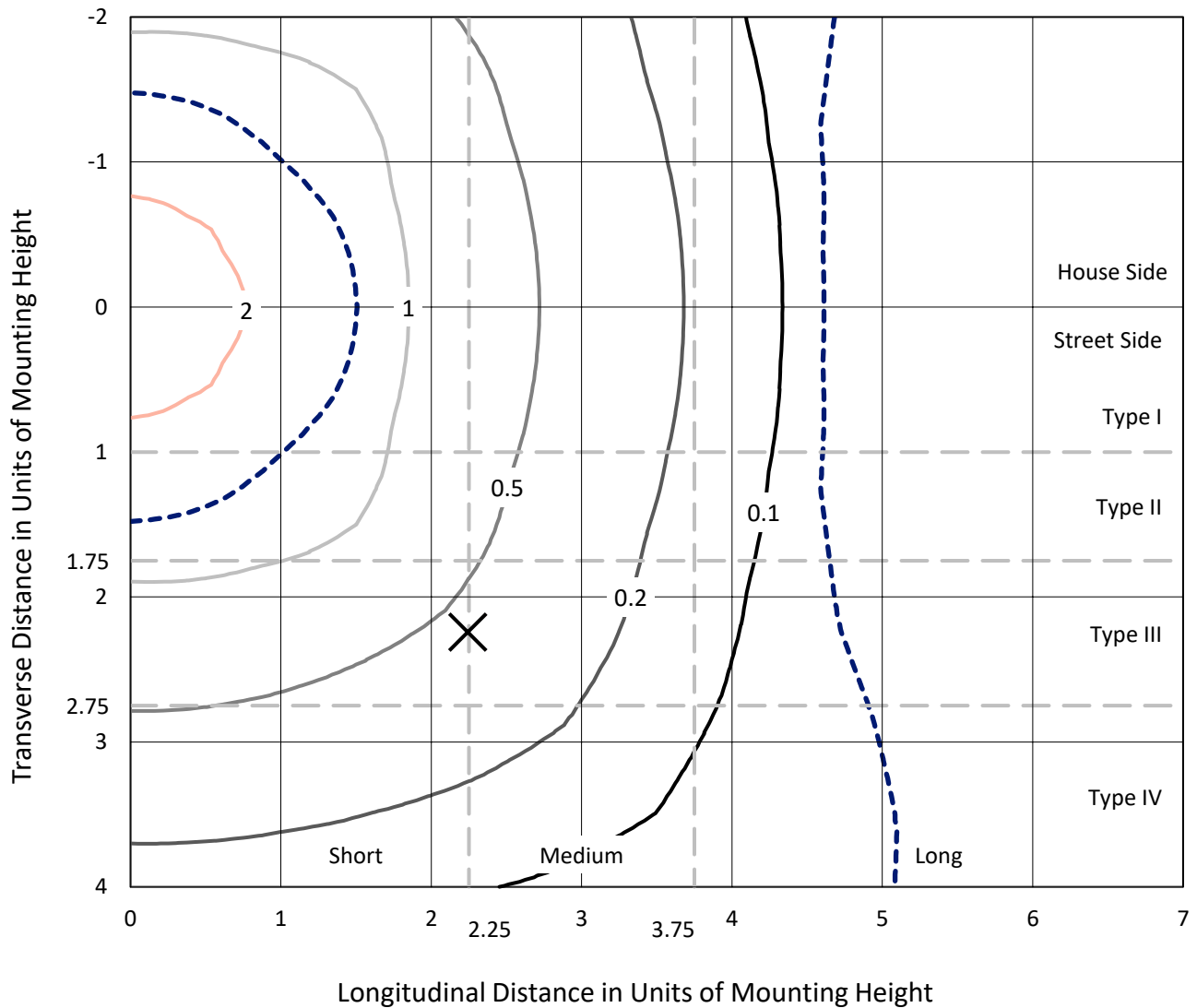
Input Watts (W): 261
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

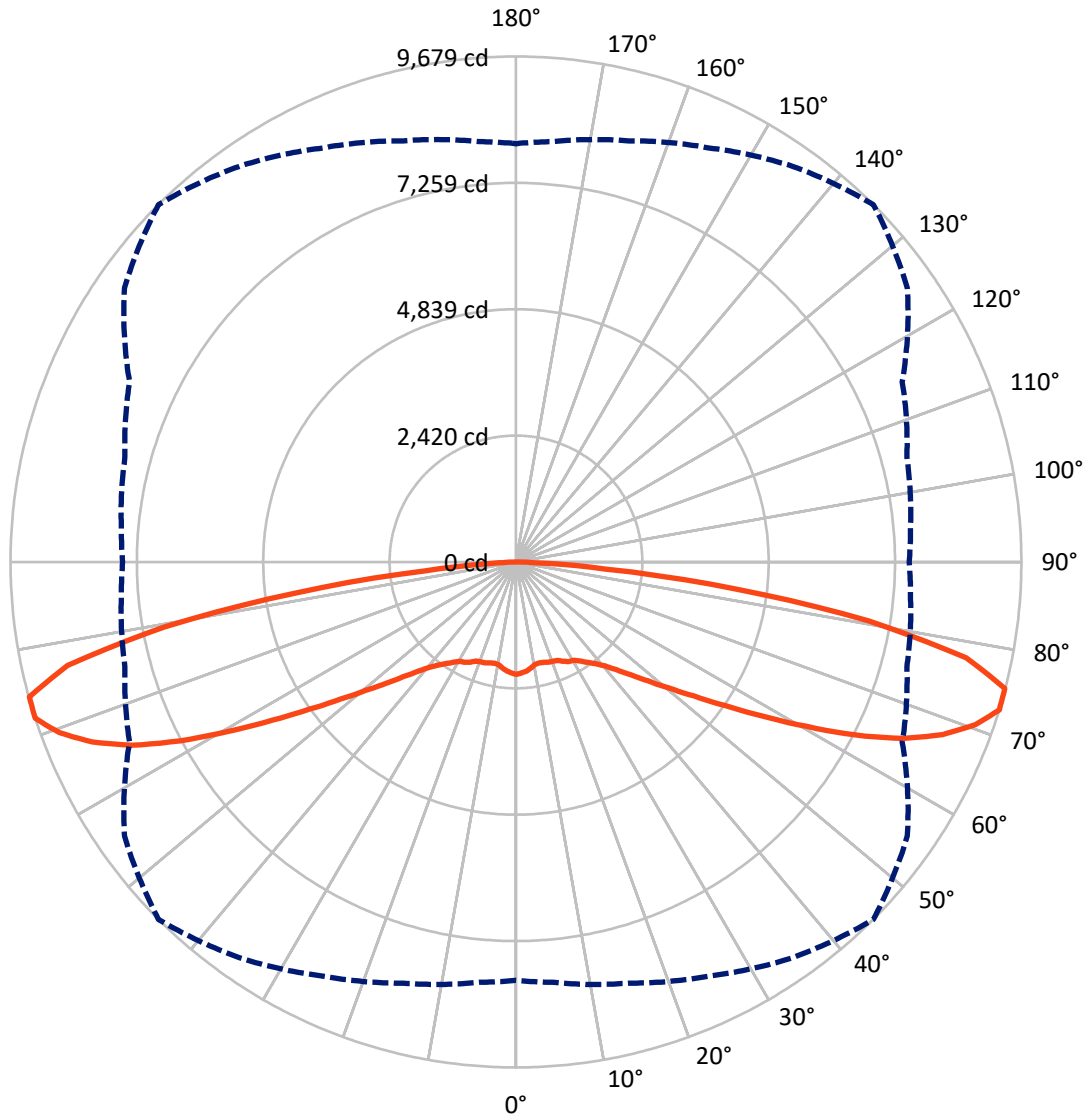
✕ Max cd
 - - - 1/2 Max cd



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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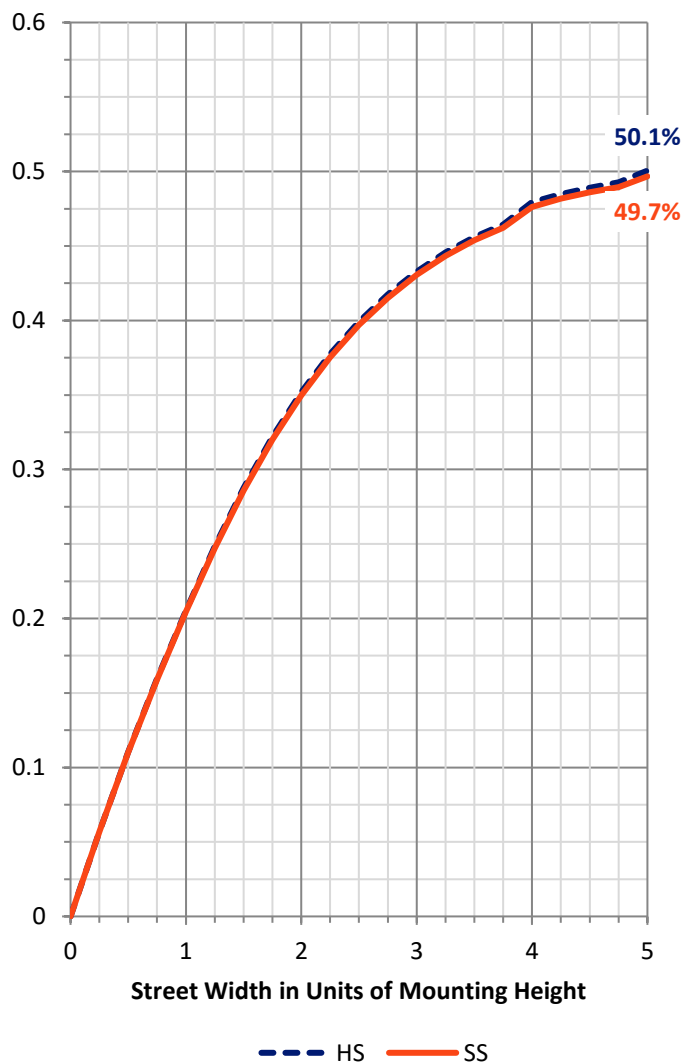
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13018.0	0.0	13018.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13018.0	0.0	13018.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26036.0	0.0	26036.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.6	0.8
10°-20°	573.5	2.2
20°-30°	974.4	3.7
30°-40°	1486.2	5.7
40°-50°	2447.3	9.4
50°-60°	4273.7	16.4
60°-70°	7164.9	27.5
70°-80°	7667.9	29.5
80°-90°	1250.6	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°	26036.0	100.0
0°-180°	26036.0	100.0

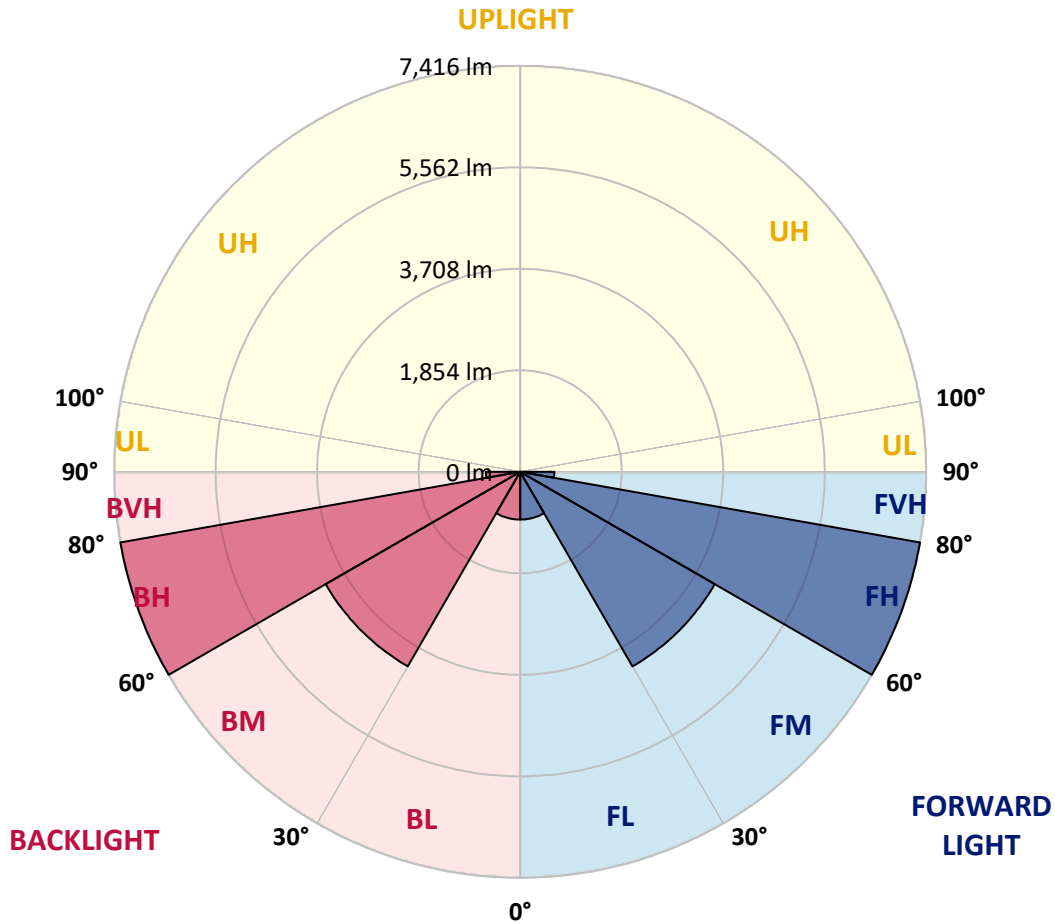


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	872.7	3.4			
FM (30°-60°)	4103.6	15.8			
FH (60°-80°)	7416.4	28.5			G3/7500
FVH (80°-90°)	625.3	2.4			G4/750
BL (0°-30°)	872.7	3.4	B2/1000		
BM (30°-60°)	4103.6	15.8	B3/5000		
BH (60°-80°)	7416.4	28.5	B5		G3/7500
BVH (80°-90°)	625.3	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°	2154.5	2154.5	2154.5	2154.5	2154.5	2154.5	2154.5	2154.5	2154.5	2154.5	2154.5
2.5°	2141.2	2141.2	2141.2	2137.9	2131.2	2127.9	2121.3	2124.6	2124.6	2124.6	2124.6
5°	2114.6	2114.6	2111.3	2108.0	2101.3	2098.0	2091.3	2098.0	2098.0	2098.0	2098.0
7.5°	2064.7	2068.1	2068.1	2064.7	2054.8	2051.4	2041.5	2044.8	2044.8	2048.1	2044.8
10°	2038.1	2038.1	2034.8	2018.2	2001.6	1994.9	1991.6	2001.6	2011.5	2021.5	2021.5
12.5°	2038.1	2038.1	2031.5	2004.9	1981.6	1981.6	1981.6	1994.9	2014.9	2034.8	2038.1
15°	2048.1	2048.1	2034.8	2004.9	1991.6	1994.9	1994.9	2008.2	2031.5	2058.1	2061.4
17.5°	2054.8	2054.8	2038.1	2008.2	2008.2	2018.2	2011.5	2021.5	2044.8	2074.7	2078.0
20°	2064.7	2064.7	2041.5	2018.2	2018.2	2028.2	2028.2	2038.1	2058.1	2088.0	2091.3
22.5°	2084.7	2081.4	2058.1	2038.1	2038.1	2044.8	2051.4	2064.7	2081.4	2108.0	2114.6
25°	2108.0	2108.0	2088.0	2084.7	2091.3	2108.0	2104.6	2101.3	2108.0	2131.2	2141.2
27.5°	2121.3	2121.3	2108.0	2117.9	2144.5	2157.8	2141.2	2127.9	2127.9	2151.2	2154.5
30°	2164.5	2161.2	2147.9	2154.5	2177.8	2184.4	2174.5	2157.8	2167.8	2194.4	2197.7
32.5°	2237.6	2237.6	2217.7	2217.7	2234.3	2260.9	2227.7	2217.7	2231.0	2260.9	2264.2
35°	2350.7	2350.7	2324.1	2310.8	2324.1	2360.6	2310.8	2307.5	2330.7	2364.0	2367.3
37.5°	2493.6	2493.6	2477.0	2443.8	2447.1	2470.4	2427.1	2423.8	2467.0	2503.6	2503.6
40°	2673.2	2683.2	2666.5	2626.6	2613.3	2616.7	2583.4	2586.7	2636.6	2679.8	2679.8
42.5°	2896.0	2902.6	2876.0	2846.1	2829.5	2819.5	2786.2	2792.9	2852.7	2909.3	2909.3
45°	3165.3	3168.6	3142.0	3105.4	3085.5	3078.8	3045.6	3062.2	3128.7	3188.5	3185.2
47.5°	3467.8	3471.2	3444.6	3408.0	3394.7	3404.7	3371.4	3371.4	3431.3	3481.1	3474.5
50°	3810.3	3816.9	3787.0	3770.4	3760.4	3787.0	3747.1	3710.5	3750.4	3800.3	3793.7
52.5°	4189.3	4205.9	4186.0	4192.6	4229.2	4262.5	4196.0	4116.2	4136.1	4169.4	4159.4
55°	4648.2	4668.1	4674.8	4698.0	4794.4	4851.0	4741.2	4608.3	4598.3	4601.6	4585.0
57.5°	5163.5	5176.8	5220.0	5273.2	5472.7	5562.5	5389.6	5160.2	5087.0	5043.8	5033.8
60°	5682.2	5705.5	5811.9	5921.6	6227.5	6390.4	6124.4	5738.7	5582.4	5502.6	5486.0
62.5°	6204.2	6250.7	6423.6	6609.8	7055.3	7298.1	6889.1	6330.5	6104.4	6004.7	5978.1
65°	6809.3	6865.8	7075.3	7311.4	7806.8	8149.2	7653.8	6942.3	6699.6	6566.6	6533.3
67.5°	7517.5	7577.4	7746.9	8009.6	8478.4	8814.2	8375.3	7567.4	7251.5	7081.9	7055.3
70°	8099.4	8152.6	8335.4	8601.4	8950.5	9332.9	8913.9	8066.1	7780.2	7660.5	7643.8
72.5°	8009.6	8079.4	8348.7	8747.7	9246.4	9678.7	9150.0	8162.5	7750.2	7584.0	7530.8
75°	6995.5	7072.0	7391.2	8112.7	9023.7	9668.7	8807.5	7520.8	7035.4	6895.8	6869.2
77.5°	4631.5	4704.7	5243.3	6380.4	7879.9	8810.9	7773.5	6300.6	5519.3	5183.5	5163.5
80°	1871.9	1965.0	2480.3	3687.3	5585.8	6849.2	5765.3	4033.1	2719.7	2194.4	2088.0
82.5°	435.6	518.7	754.7	1359.9	2859.4	4265.8	3108.7	1506.2	874.4	621.7	558.6
85°	182.9	186.2	322.5	442.2	894.4	1722.3	1017.4	548.6	445.5	325.8	319.2
87.5°	69.8	73.1	156.3	186.2	285.9	325.8	345.8	282.6	262.7	162.9	156.3
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)