

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: P399200

Luminaire Tested: **ARCH-L-PA3-110-730-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P399200
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-PA3-110-730-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 3000K, 485mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17169 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

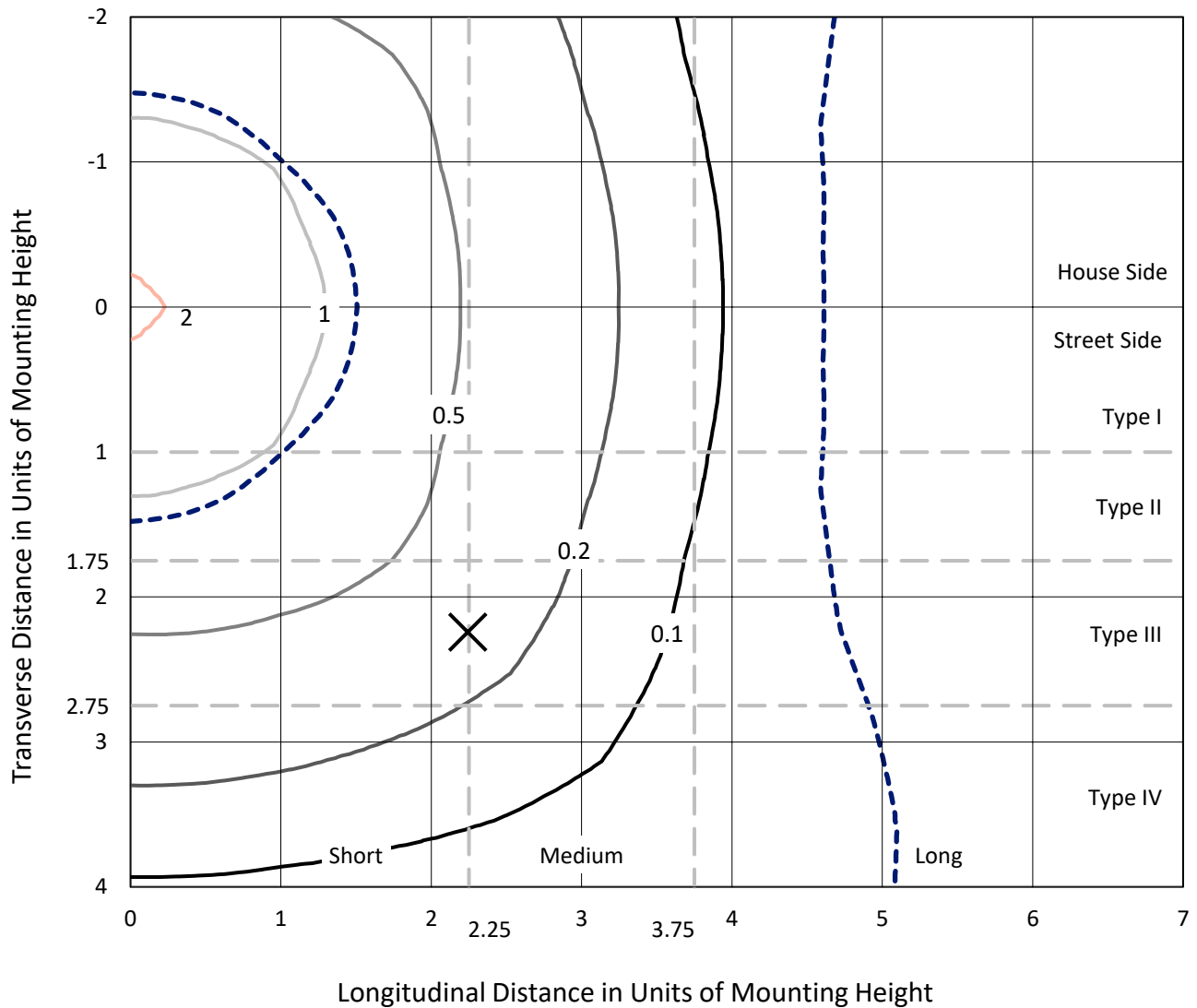
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

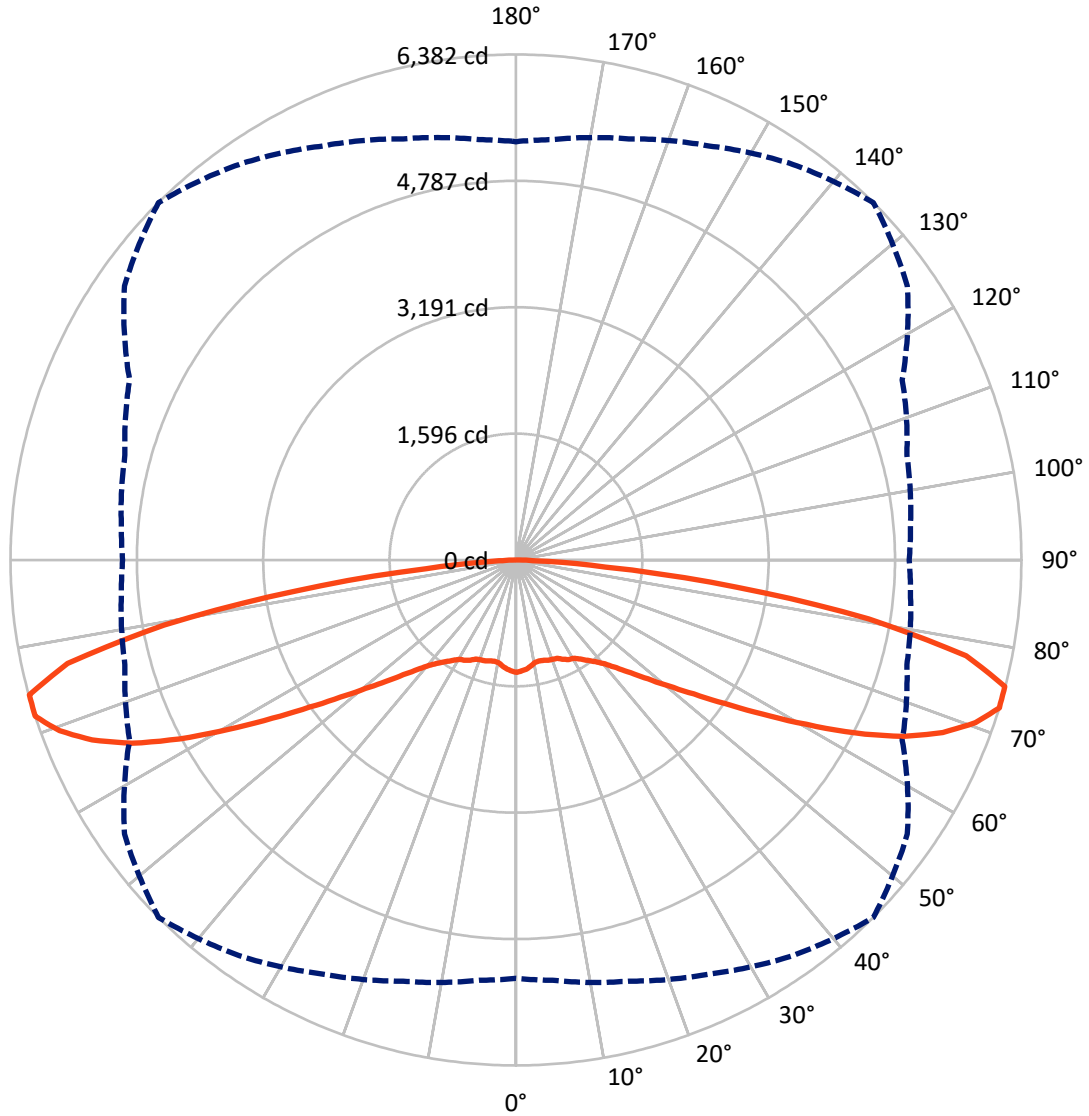
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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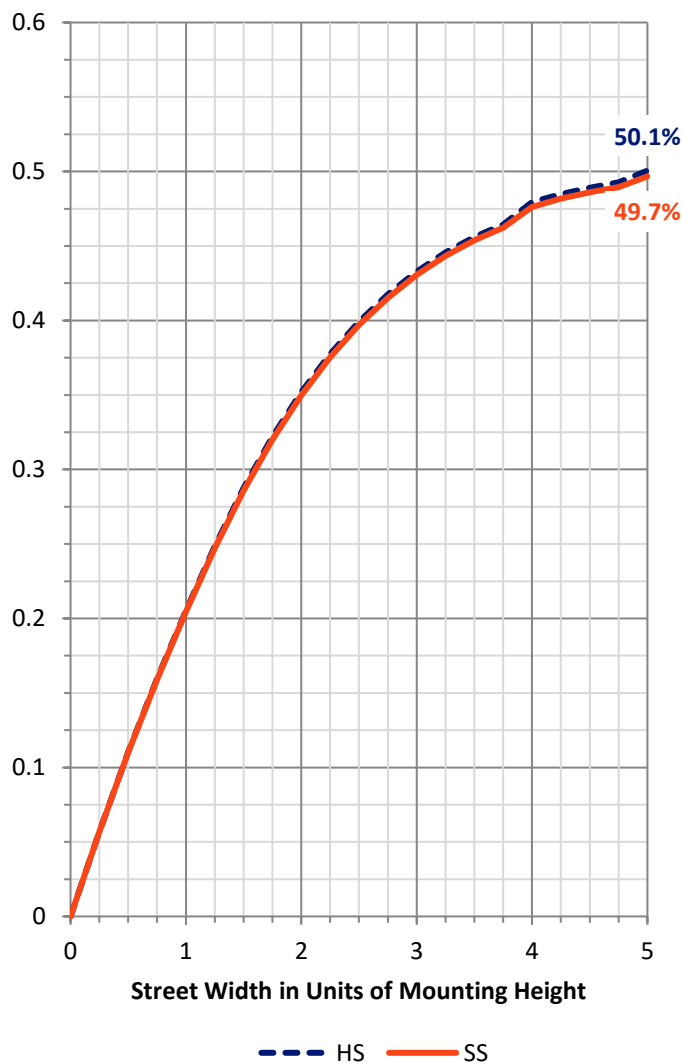
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8584.5	0.0	8584.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8584.5	0.0	8584.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17169.0	0.0	17169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	0.8
10°-20°	378.2	2.2
20°-30°	642.6	3.7
30°-40°	980.1	5.7
40°-50°	1613.8	9.4
50°-60°	2818.2	16.4
60°-70°	4724.8	27.5
70°-80°	5056.5	29.5
80°-90°	824.7	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°	17169.0	100.0
0°-180°	17169.0	100.0

Coefficient of Utilization

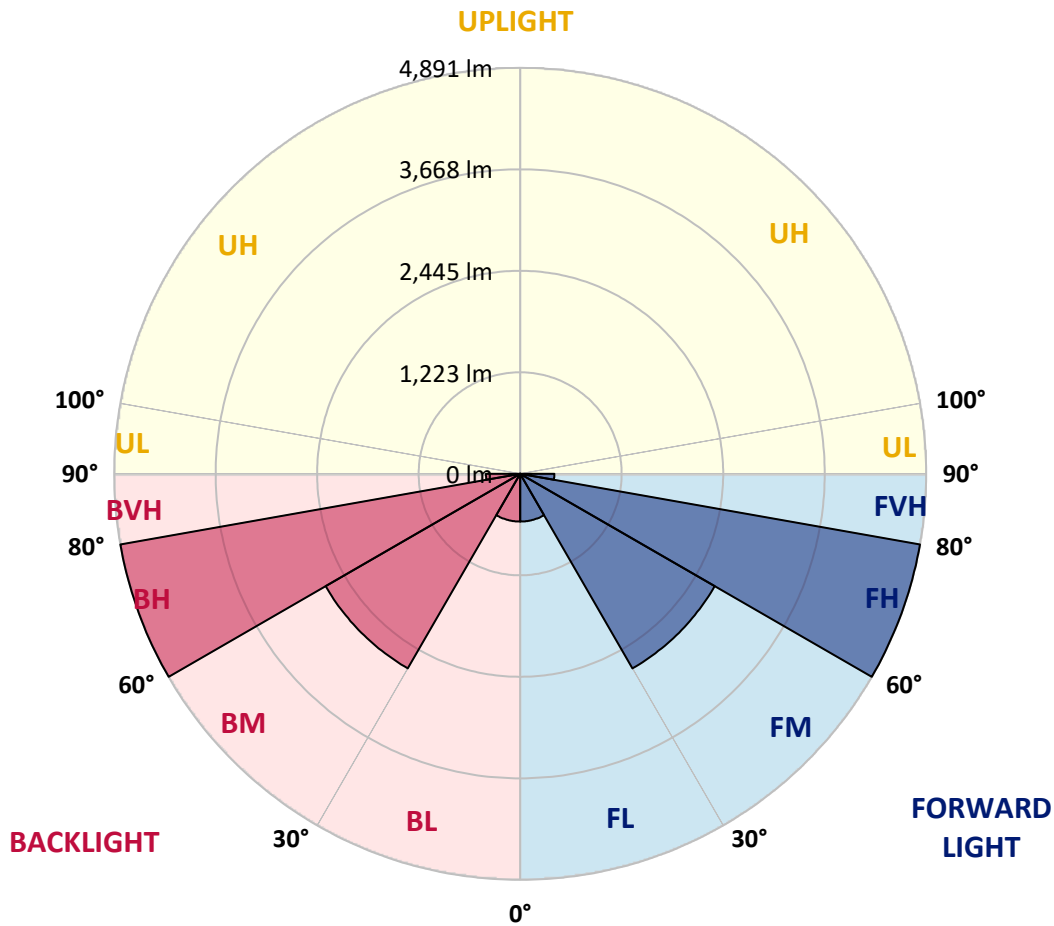


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.5	3.4			
FM (30°-60°)	2706.0	15.8			
FH (60°-80°)	4890.6	28.5			G2/5000
FVH (80°-90°)	412.4	2.4			G3/500
BL (0°-30°)	575.5	3.4	B2/1000		
BM (30°-60°)	2706.0	15.8	B3/5000		
BH (60°-80°)	4890.6	28.5	B4/5000		G2/5000
BVH (80°-90°)	412.4	2.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8
2.5°	1412.0	1412.0	1412.0	1409.8	1405.4	1403.2	1398.8	1401.0	1401.0	1401.0	1401.0
5°	1394.4	1394.4	1392.3	1390.1	1385.7	1383.5	1379.1	1383.5	1383.5	1383.5	1383.5
7.5°	1361.6	1363.7	1363.7	1361.6	1355.0	1352.8	1346.2	1348.4	1348.4	1350.6	1348.4
10°	1344.0	1344.0	1341.8	1330.9	1319.9	1315.5	1313.3	1319.9	1326.5	1333.1	1333.1
12.5°	1344.0	1344.0	1339.6	1322.1	1306.7	1306.7	1306.7	1315.5	1328.7	1341.8	1344.0
15°	1350.6	1350.6	1341.8	1322.1	1313.3	1315.5	1315.5	1324.3	1339.6	1357.2	1359.4
17.5°	1355.0	1355.0	1344.0	1324.3	1324.3	1330.9	1326.5	1333.1	1348.4	1368.1	1370.3
20°	1361.6	1361.6	1346.2	1330.9	1330.9	1337.4	1337.4	1344.0	1357.2	1376.9	1379.1
22.5°	1374.7	1372.5	1357.2	1344.0	1344.0	1348.4	1352.8	1361.6	1372.5	1390.1	1394.4
25°	1390.1	1390.1	1376.9	1374.7	1379.1	1390.1	1387.9	1385.7	1390.1	1405.4	1412.0
27.5°	1398.8	1398.8	1390.1	1396.6	1414.2	1422.9	1412.0	1403.2	1403.2	1418.6	1420.8
30°	1427.3	1425.1	1416.4	1420.8	1436.1	1440.5	1433.9	1422.9	1429.5	1447.1	1449.3
32.5°	1475.6	1475.6	1462.4	1462.4	1473.4	1490.9	1469.0	1462.4	1471.2	1490.9	1493.1
35°	1550.1	1550.1	1532.6	1523.8	1532.6	1556.7	1523.8	1521.6	1537.0	1558.9	1561.1
37.5°	1644.4	1644.4	1633.4	1611.5	1613.7	1629.0	1600.5	1598.3	1626.9	1651.0	1651.0
40°	1762.8	1769.4	1758.4	1732.1	1723.3	1725.5	1703.6	1705.8	1738.7	1767.2	1767.2
42.5°	1909.7	1914.1	1896.5	1876.8	1865.8	1859.3	1837.3	1841.7	1881.2	1918.5	1918.5
45°	2087.3	2089.5	2071.9	2047.8	2034.7	2030.3	2008.3	2019.3	2063.2	2102.6	2100.4
47.5°	2286.8	2289.0	2271.5	2247.3	2238.6	2245.1	2223.2	2223.2	2262.7	2295.6	2291.2
50°	2512.6	2517.0	2497.3	2486.3	2479.7	2497.3	2471.0	2446.9	2473.2	2506.1	2501.7
52.5°	2762.6	2773.5	2760.4	2764.8	2788.9	2810.8	2767.0	2714.3	2727.5	2749.4	2742.8
55°	3065.1	3078.3	3082.7	3098.0	3161.6	3198.9	3126.5	3038.8	3032.3	3034.4	3023.5
57.5°	3405.0	3413.8	3442.3	3477.3	3608.9	3668.1	3554.1	3402.8	3354.6	3326.1	3319.5
60°	3747.0	3762.4	3832.5	3904.9	4106.6	4214.0	4038.6	3784.3	3681.2	3628.6	3617.7
62.5°	4091.2	4121.9	4236.0	4358.7	4652.5	4812.6	4542.9	4174.6	4025.5	3959.7	3942.2
65°	4490.3	4527.6	4665.7	4821.4	5148.0	5373.9	5047.2	4578.0	4417.9	4330.2	4308.3
67.5°	4957.3	4996.8	5108.6	5281.8	5590.9	5812.4	5523.0	4990.2	4781.9	4670.1	4652.5
70°	5341.0	5376.1	5496.7	5672.1	5902.3	6154.4	5878.1	5319.1	5130.5	5051.6	5040.6
72.5°	5281.8	5327.8	5505.4	5768.5	6097.4	6382.4	6033.8	5382.6	5110.8	5001.1	4966.1
75°	4613.1	4663.5	4874.0	5349.8	5950.5	6375.9	5808.0	4959.5	4639.4	4547.3	4529.7
77.5°	3054.2	3102.4	3457.6	4207.4	5196.3	5810.2	5126.1	4154.8	3639.6	3418.1	3405.0
80°	1234.4	1295.8	1635.6	2431.5	3683.4	4516.6	3801.8	2659.5	1793.5	1447.1	1376.9
82.5°	287.2	342.0	497.7	896.7	1885.6	2813.0	2050.0	993.2	576.6	410.0	368.3
85°	120.6	122.8	212.7	291.6	589.8	1135.7	670.9	361.8	293.8	214.9	210.5
87.5°	46.0	48.2	103.0	122.8	188.6	214.9	228.0	186.4	173.2	107.4	103.0
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)