

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: P316109

Luminaire Tested: **GAN-SA5A-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5A-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22342 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

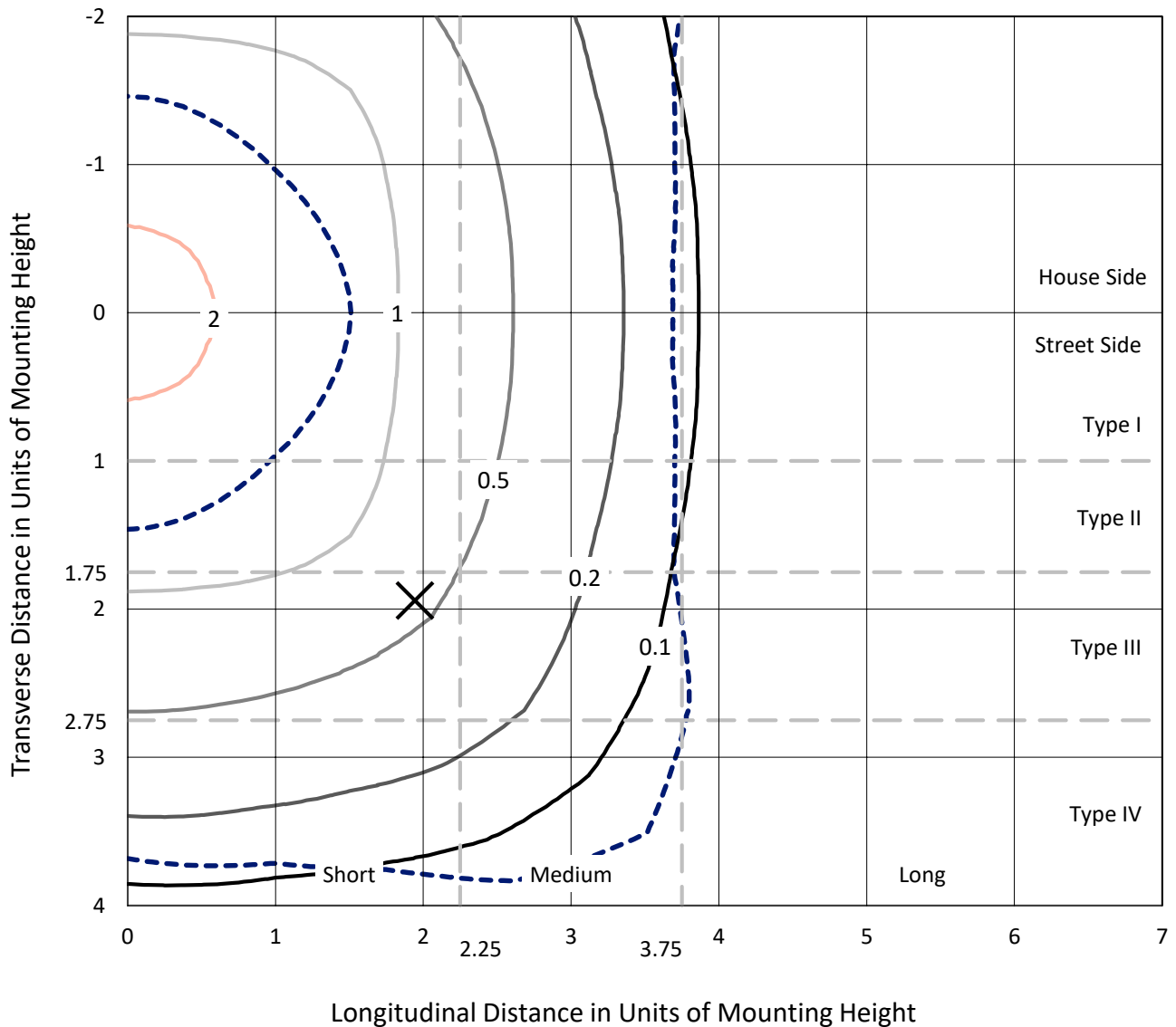
Input Watts (W): 162
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

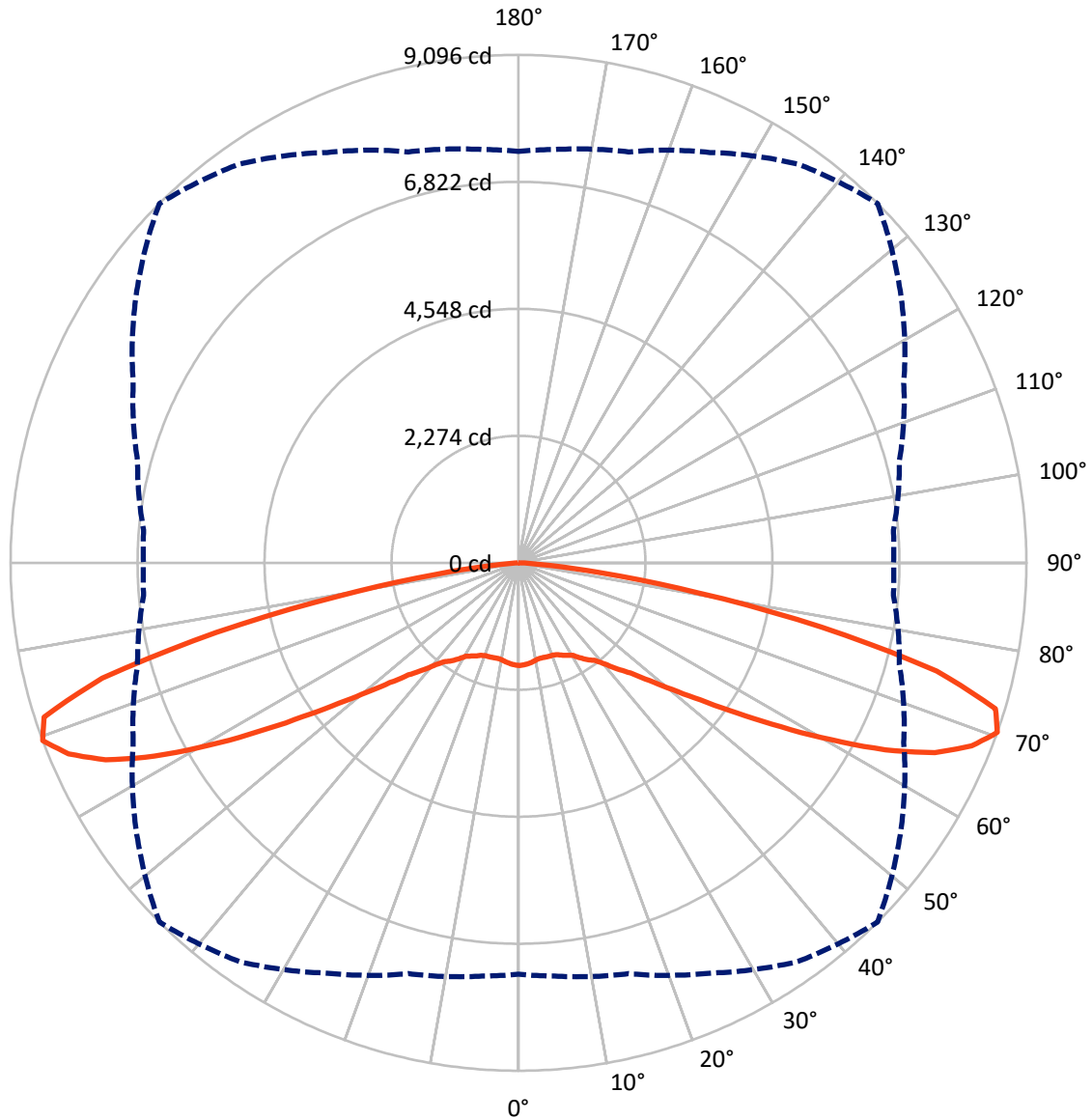
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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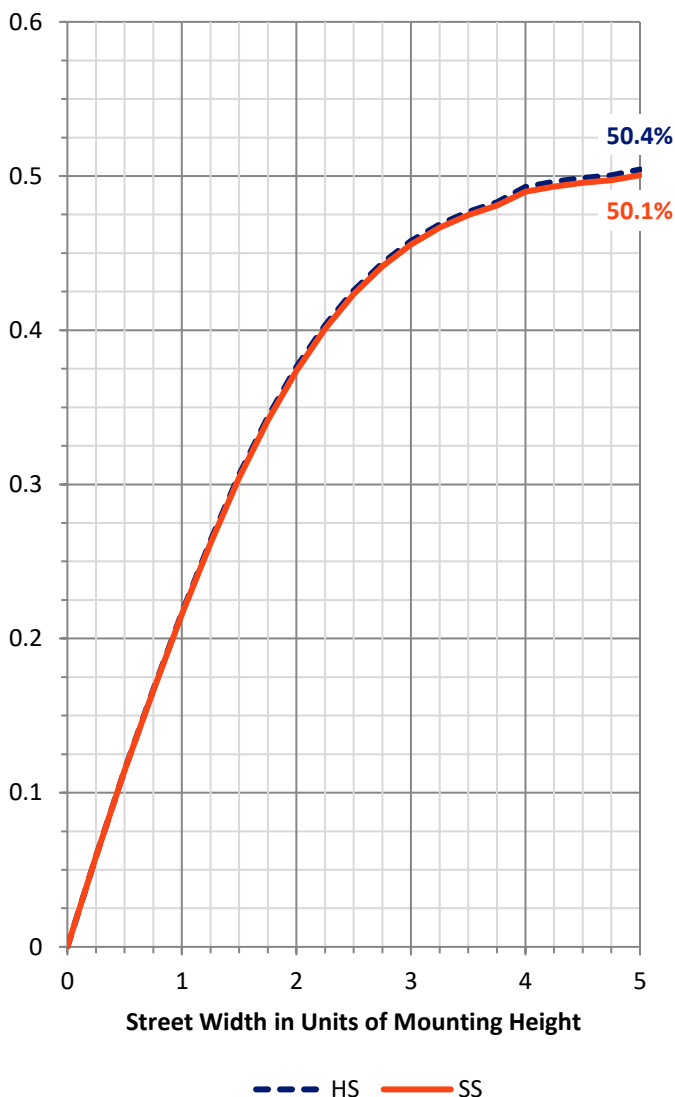
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11171.0	0.0	11171.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11171.0	0.0	11171.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22342.0	0.0	22342.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.6	0.8
10°-20°	501.3	2.2
20°-30°	854.7	3.8
30°-40°	1335.5	6.0
40°-50°	2263.3	10.1
50°-60°	4127.4	18.5
60°-70°	7105.6	31.8
70°-80°	5569.6	24.9
80°-90°	413.0	1.8
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°	22342.0	100.0
0°-180°	22342.0	100.0

Coefficient of Utilization

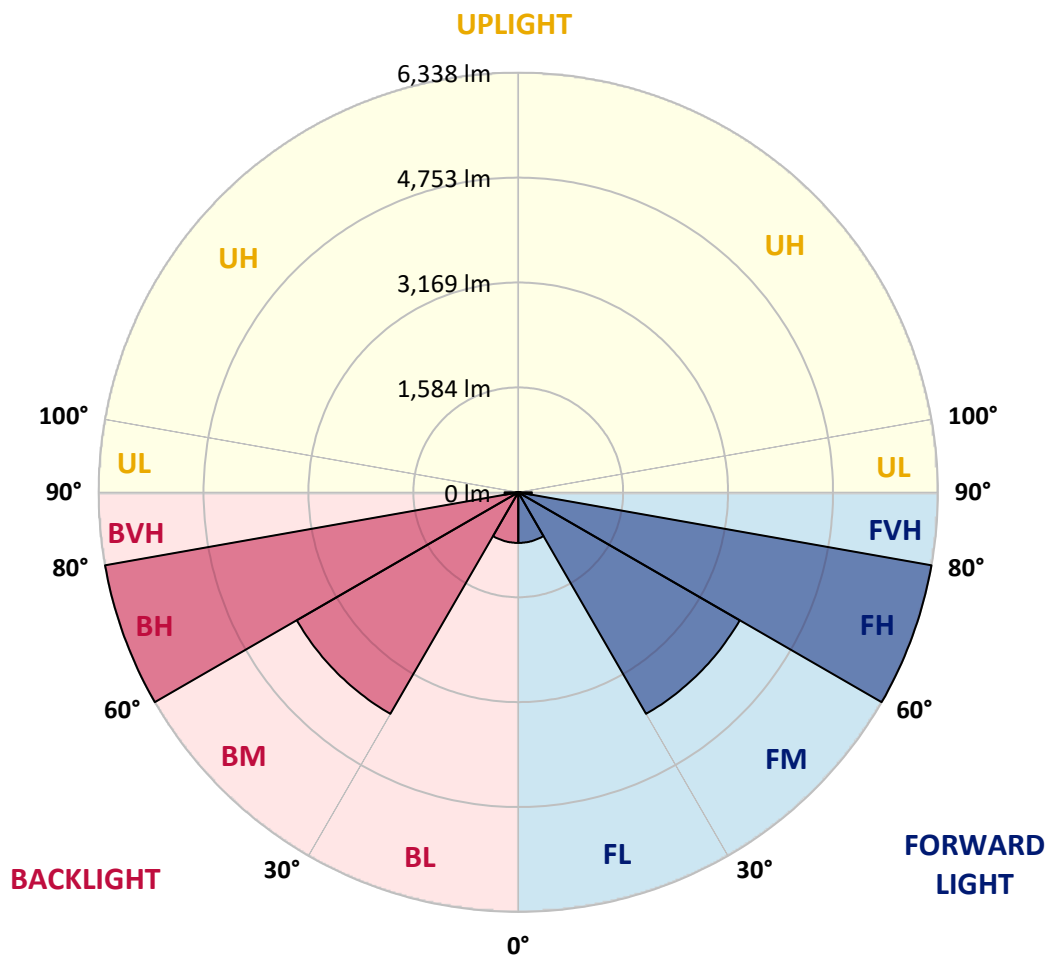


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	763.8	3.4			
FM (30°-60°)	3863.1	17.3			
FH (60°-80°)	6337.6	28.4			G3/7500
FVH (80°-90°)	206.5	0.9			G2/225
BL (0°-30°)	763.8	3.4	B2/1000		
BM (30°-60°)	3863.1	17.3	B3/5000		
BH (60°-80°)	6337.6	28.4	B5		G3/7500
BVH (80°-90°)	206.5	0.9			G2/225
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°	1838.7	1838.7	1838.7	1838.7	1838.7	1838.7	1838.7	1838.7	1838.7	1838.7	1838.7
2.5°	1830.6	1832.8	1830.6	1832.1	1828.4	1829.9	1829.9	1829.9	1829.1	1829.9	1828.4
5°	1814.4	1815.8	1812.9	1814.4	1812.1	1814.4	1815.1	1814.4	1812.9	1813.6	1810.7
7.5°	1790.0	1791.5	1789.2	1791.5	1788.5	1792.2	1791.5	1789.2	1787.0	1787.0	1784.1
10°	1776.7	1777.4	1771.5	1769.3	1762.6	1764.1	1766.3	1768.5	1770.8	1775.2	1774.5
12.5°	1777.4	1777.4	1768.5	1758.9	1749.3	1751.5	1755.2	1763.4	1772.2	1780.4	1781.1
15°	1784.8	1784.1	1770.8	1755.2	1748.6	1755.2	1757.5	1762.6	1776.7	1790.7	1791.5
17.5°	1790.0	1790.0	1769.3	1751.5	1750.8	1761.1	1760.4	1762.6	1778.1	1798.8	1799.6
20°	1799.6	1799.6	1773.0	1753.8	1753.8	1764.8	1765.6	1769.3	1784.8	1807.7	1811.4
22.5°	1821.0	1821.8	1793.7	1778.1	1779.6	1786.3	1788.5	1794.4	1808.4	1833.6	1838.0
25°	1851.3	1852.8	1824.0	1815.1	1820.3	1832.8	1831.4	1835.8	1851.3	1875.7	1880.1
27.5°	1893.4	1889.7	1863.1	1859.4	1864.6	1873.5	1872.7	1873.5	1886.0	1908.2	1913.4
30°	1948.1	1946.7	1927.4	1929.7	1927.4	1924.5	1925.2	1931.1	1937.8	1955.5	1960.7
32.5°	2001.3	2002.8	1991.0	2002.1	2018.3	2029.4	2012.4	1996.2	1988.8	1998.4	2002.8
35°	2097.4	2101.1	2082.6	2075.2	2097.4	2129.9	2081.9	2055.3	2070.1	2082.6	2086.3
37.5°	2260.7	2263.0	2231.9	2202.4	2186.1	2217.1	2169.1	2171.3	2223.1	2246.7	2246.0
40°	2447.0	2447.7	2427.0	2401.2	2373.1	2380.5	2361.3	2367.2	2401.2	2422.6	2428.5
42.5°	2668.7	2666.5	2634.0	2597.0	2588.9	2596.3	2563.8	2559.3	2598.5	2636.9	2637.7
45°	2956.2	2951.0	2908.9	2868.2	2829.1	2812.8	2804.7	2826.1	2880.1	2915.5	2916.3
47.5°	3265.8	3251.8	3229.6	3197.1	3163.1	3146.9	3133.6	3143.9	3183.1	3197.1	3198.6
50°	3584.4	3587.3	3591.8	3579.2	3566.6	3561.5	3526.7	3506.8	3518.6	3492.7	3489.0
52.5°	3962.0	3967.9	4010.8	4047.0	4068.5	4079.5	4013.8	3945.0	3906.6	3856.3	3841.6
55°	4407.7	4417.3	4480.1	4580.6	4684.1	4738.8	4619.8	4491.2	4372.2	4278.3	4248.0
57.5°	4904.3	4921.3	5007.8	5200.7	5412.8	5542.1	5341.1	5107.6	4877.7	4742.5	4718.8
60°	5486.7	5502.9	5622.7	5899.1	6242.7	6437.1	6132.6	5750.5	5464.5	5335.2	5291.6
62.5°	6179.9	6181.4	6328.5	6651.4	7105.2	7375.7	6963.3	6452.6	6157.7	6001.8	5959.7
65°	6925.6	6929.3	7081.6	7430.4	7899.7	8193.8	7728.2	7196.1	6835.4	6605.6	6573.1
67.5°	7452.6	7468.1	7628.4	8048.2	8487.2	8752.5	8270.7	7669.1	7252.3	6978.1	6950.7
70°	7368.3	7428.9	7617.4	8107.3	8717.8	9096.2	8358.6	7612.9	7063.1	6739.4	6716.5
72.5°	6426.0	6542.0	6793.3	7436.3	8412.6	8933.6	7879.0	6818.5	6196.2	5920.5	5879.1
75°	4375.9	4564.4	4943.5	5871.0	7187.2	7734.9	6632.9	5436.4	4851.1	4469.8	4441.7
77.5°	1951.1	1993.9	2474.3	3542.3	4959.7	5554.7	4819.3	3556.3	2669.4	2129.2	2015.4
80°	543.9	550.6	734.6	1319.2	2482.5	3263.6	2665.0	1385.7	779.0	549.1	517.3
82.5°	172.9	187.7	229.1	342.2	834.4	1489.2	856.6	369.5	263.1	209.9	189.2
85°	84.3	83.5	116.0	138.9	212.8	329.6	226.9	171.5	150.0	99.8	90.2
87.5°	35.5	36.2	54.0	48.8	62.1	53.2	73.2	76.9	80.6	44.3	38.4
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)