

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: P316118

Luminaire Tested: **GAN-SA4B-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316118  
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-SA4B-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22113 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

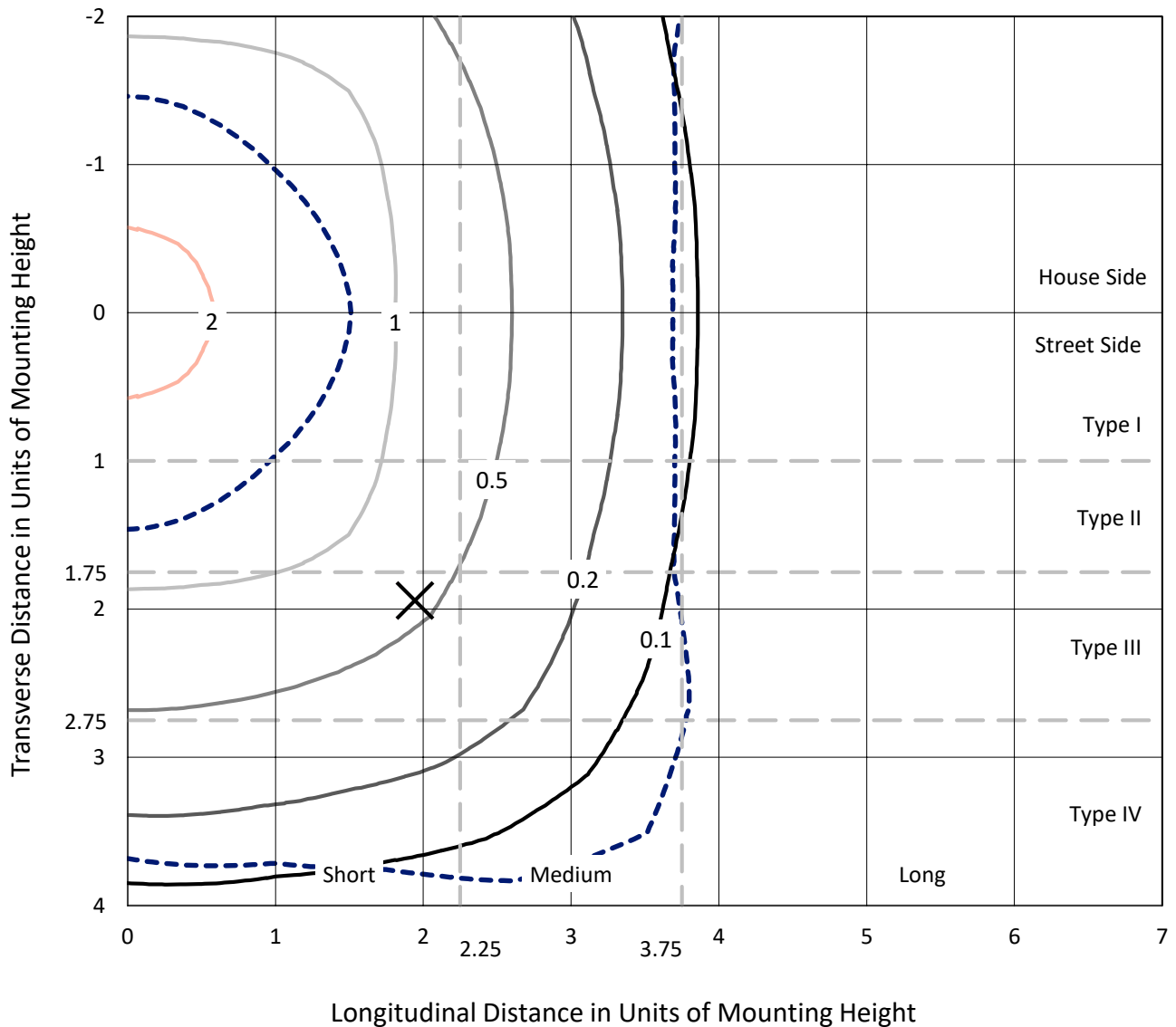
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

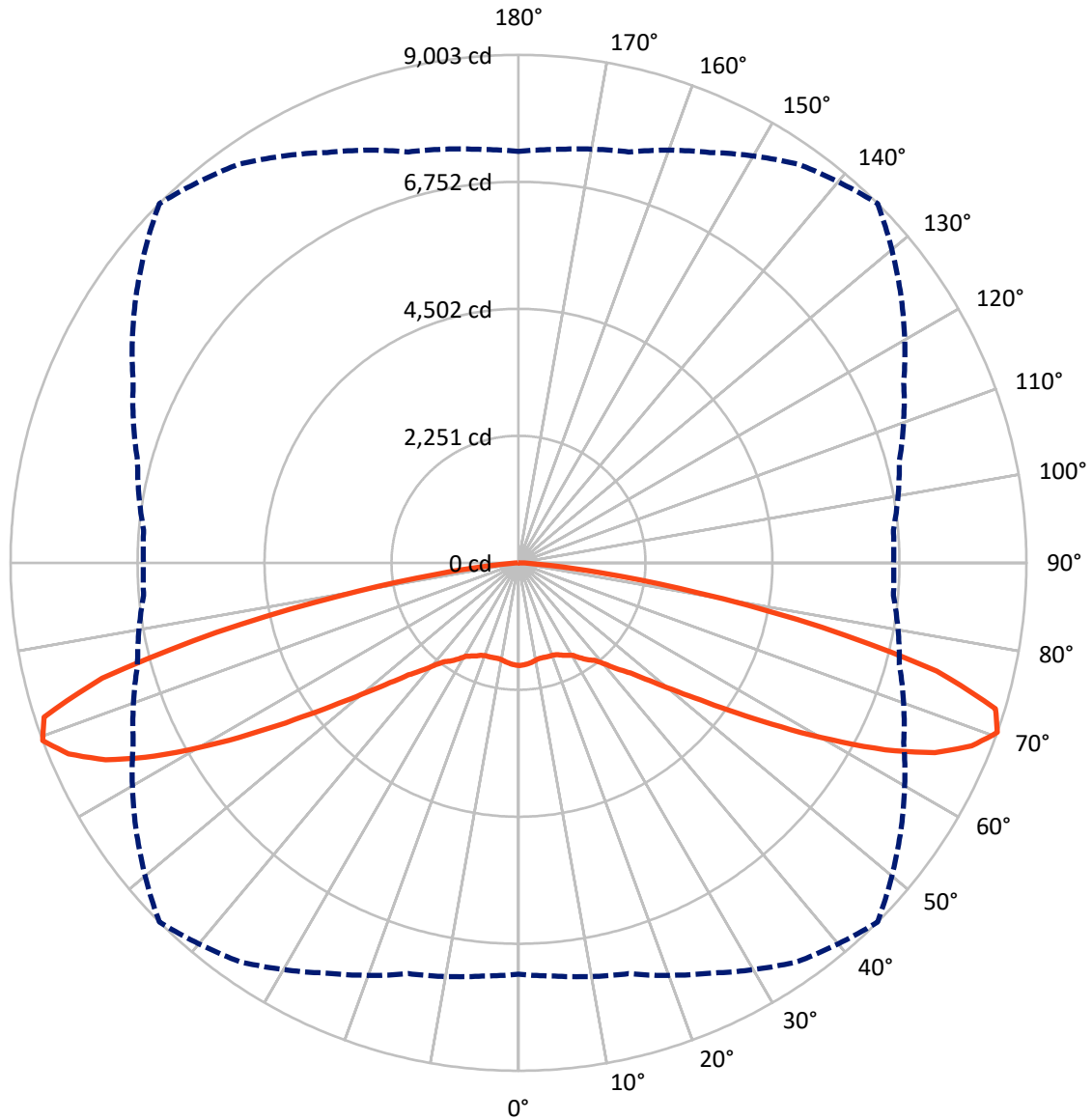
✕ Max cd  
 - - - 1/2 Max cd



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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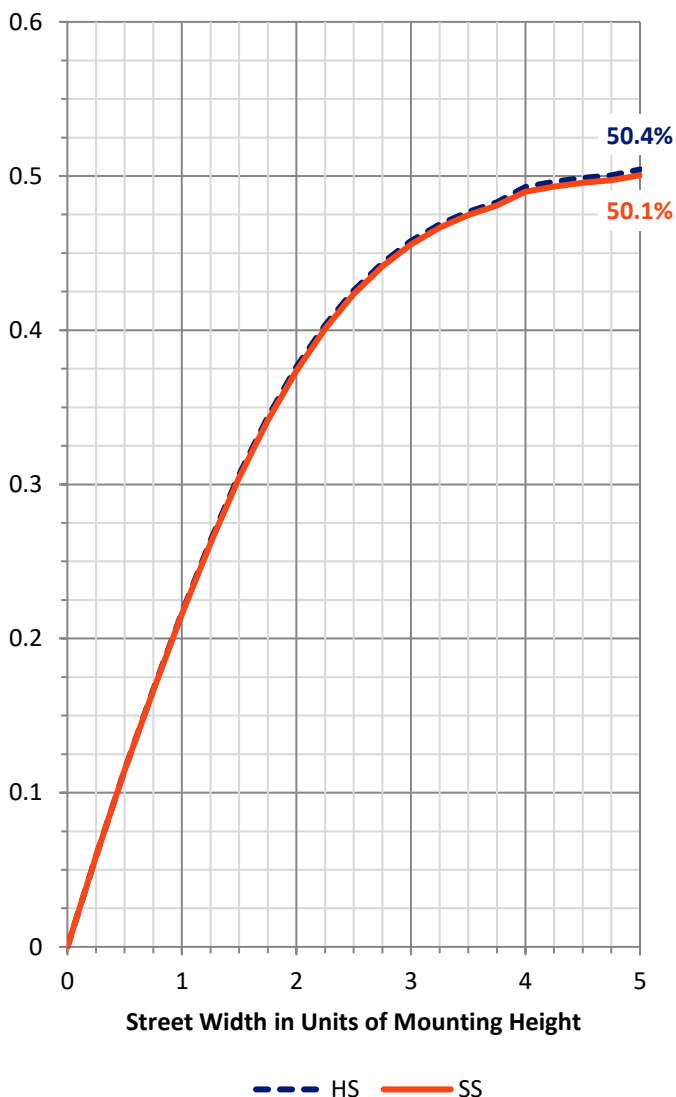
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11056.5	0.0	11056.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11056.5	0.0	11056.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22113.0	0.0	22113.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.9	0.8
10°-20°	496.2	2.2
20°-30°	845.9	3.8
30°-40°	1321.8	6.0
40°-50°	2240.2	10.1
50°-60°	4085.1	18.5
60°-70°	7032.7	31.8
70°-80°	5512.5	24.9
80°-90°	408.7	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°	22113.0	100.0
0°-180°	22113.0	100.0

**Coefficient of Utilization**

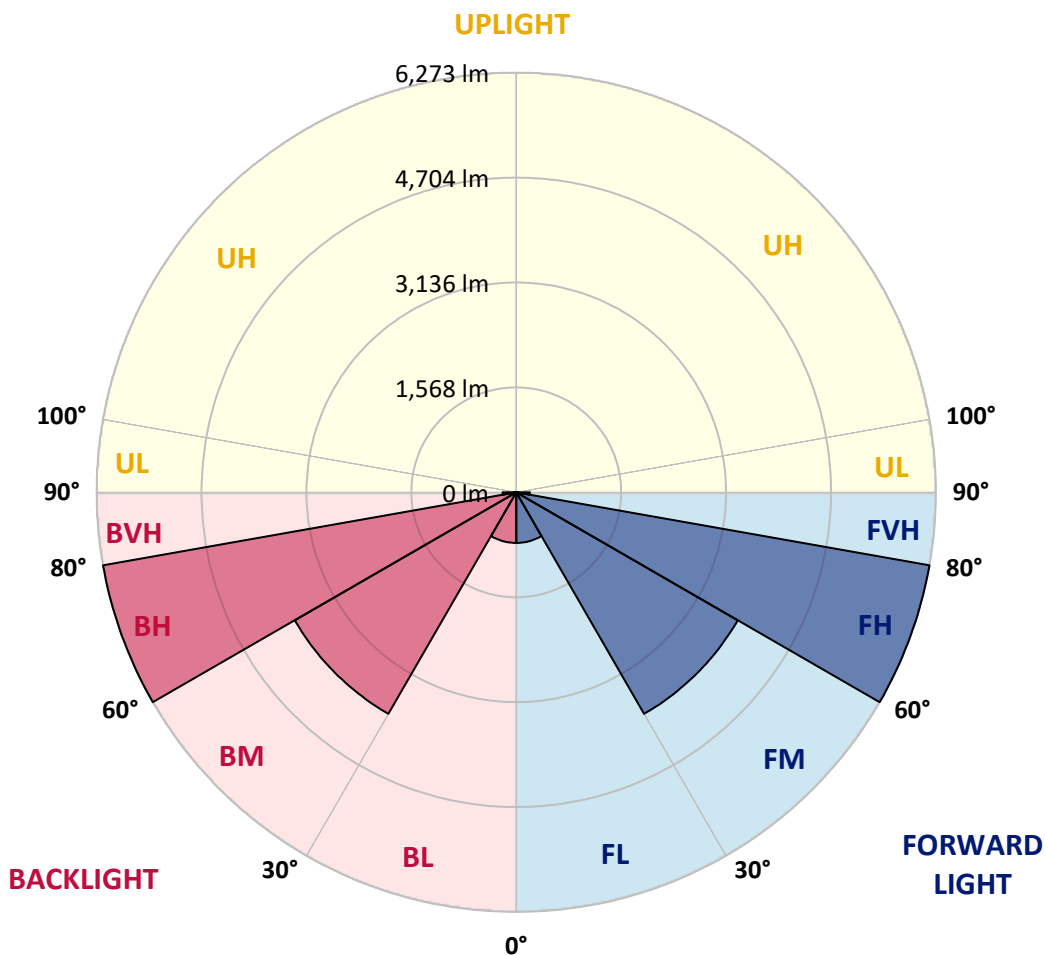


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	756.0	3.4			
FM (30°-60°)	3823.5	17.3			
FH (60°-80°)	6272.6	28.4			G3/7500
FVH (80°-90°)	204.4	0.9			G2/225
BL (0°-30°)	756.0	3.4	B2/1000		
BM (30°-60°)	3823.5	17.3	B3/5000		
BH (60°-80°)	6272.6	28.4	B5		G3/7500
BVH (80°-90°)	204.4	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°	1819.9	1819.9	1819.9	1819.9	1819.9	1819.9	1819.9	1819.9	1819.9	1819.9	1819.9
2.5°	1811.9	1814.1	1811.9	1813.3	1809.7	1811.1	1811.1	1811.1	1810.4	1811.1	1809.7
5°	1795.8	1797.2	1794.3	1795.8	1793.6	1795.8	1796.5	1795.8	1794.3	1795.0	1792.1
7.5°	1771.6	1773.1	1770.9	1773.1	1770.2	1773.8	1773.1	1770.9	1768.7	1768.7	1765.8
10°	1758.5	1759.2	1753.3	1751.1	1744.6	1746.0	1748.2	1750.4	1752.6	1757.0	1756.3
12.5°	1759.2	1759.2	1750.4	1740.9	1731.4	1733.6	1737.2	1745.3	1754.1	1762.1	1762.8
15°	1766.5	1765.8	1752.6	1737.2	1730.7	1737.2	1739.4	1744.6	1758.5	1772.4	1773.1
17.5°	1771.6	1771.6	1751.1	1733.6	1732.9	1743.1	1742.4	1744.6	1759.9	1780.4	1781.1
20°	1781.1	1781.1	1754.8	1735.8	1735.8	1746.8	1747.5	1751.1	1766.5	1789.2	1792.8
22.5°	1802.3	1803.1	1775.3	1759.9	1761.4	1768.0	1770.2	1776.0	1789.9	1814.8	1819.2
25°	1832.3	1833.8	1805.3	1796.5	1801.6	1814.1	1812.6	1817.0	1832.3	1856.5	1860.9
27.5°	1874.0	1870.4	1844.0	1840.4	1845.5	1854.3	1853.6	1854.3	1866.7	1888.7	1893.8
30°	1928.2	1926.7	1907.7	1909.9	1907.7	1904.8	1905.5	1911.3	1917.9	1935.5	1940.6
32.5°	1980.8	1982.3	1970.6	1981.6	1997.7	2008.6	1991.8	1975.7	1968.4	1977.9	1982.3
35°	2075.9	2079.6	2061.3	2054.0	2075.9	2108.1	2060.6	2034.2	2048.9	2061.3	2064.9
37.5°	2237.6	2239.8	2209.0	2179.8	2163.7	2194.4	2146.9	2149.1	2200.3	2223.7	2222.9
40°	2421.9	2422.6	2402.2	2376.6	2348.8	2356.1	2337.1	2342.9	2376.6	2397.8	2403.6
42.5°	2641.3	2639.2	2607.0	2570.4	2562.3	2569.7	2537.5	2533.1	2571.9	2609.9	2610.6
45°	2925.9	2920.8	2879.1	2838.8	2800.1	2784.0	2775.9	2797.1	2850.5	2885.7	2886.4
47.5°	3232.4	3218.5	3196.5	3164.3	3130.7	3114.6	3101.4	3111.7	3150.5	3164.3	3165.8
50°	3547.6	3550.6	3555.0	3542.5	3530.1	3525.0	3490.6	3470.8	3482.5	3456.9	3453.3
52.5°	3921.4	3927.3	3969.7	4005.5	4026.8	4037.7	3972.6	3904.6	3866.6	3816.8	3802.2
55°	4362.5	4372.0	4434.2	4533.7	4636.1	4690.2	4572.4	4445.2	4327.4	4234.5	4204.5
57.5°	4854.0	4870.9	4956.5	5147.4	5357.3	5485.3	5286.3	5055.2	4827.7	4693.9	4670.5
60°	5430.4	5446.5	5565.0	5838.6	6178.7	6371.1	6069.8	5691.6	5408.5	5280.5	5237.3
62.5°	6116.6	6118.0	6263.6	6583.3	7032.4	7300.1	6891.9	6386.5	6094.6	5940.3	5898.6
65°	6854.6	6858.3	7009.0	7354.2	7818.7	8109.8	7649.0	7122.3	6765.4	6537.9	6505.7
67.5°	7376.2	7391.5	7550.3	7965.7	8400.2	8662.8	8185.9	7590.5	7177.9	6906.6	6879.5
70°	7292.8	7352.8	7539.3	8024.3	8628.4	9003.0	8273.0	7534.9	6990.7	6670.3	6647.6
72.5°	6360.2	6475.0	6723.7	7360.1	8326.3	8842.0	7798.2	6748.6	6132.7	5859.8	5818.9
75°	4331.0	4517.6	4892.8	5810.8	7113.6	7655.6	6565.0	5380.7	4801.4	4423.9	4396.1
77.5°	1931.1	1973.5	2449.0	3505.9	4908.9	5497.7	4769.9	3519.8	2642.1	2107.4	1994.7
80°	538.4	544.9	727.1	1305.7	2457.0	3230.2	2637.7	1371.5	771.0	543.5	512.0
82.5°	171.2	185.8	226.8	338.7	825.8	1473.9	847.8	365.7	260.4	207.7	187.3
85°	83.4	82.7	114.8	137.5	210.7	326.2	224.6	169.7	148.5	98.7	89.2
87.5°	35.1	35.8	53.4	48.3	61.4	52.7	72.4	76.1	79.7	43.9	38.0
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)