

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: P382992

Luminaire Tested: **GAN-SA3C-735-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382992  
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-SA3C-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21187.1 lumens  
Efficiency: N/A  
Efficacy: 127.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

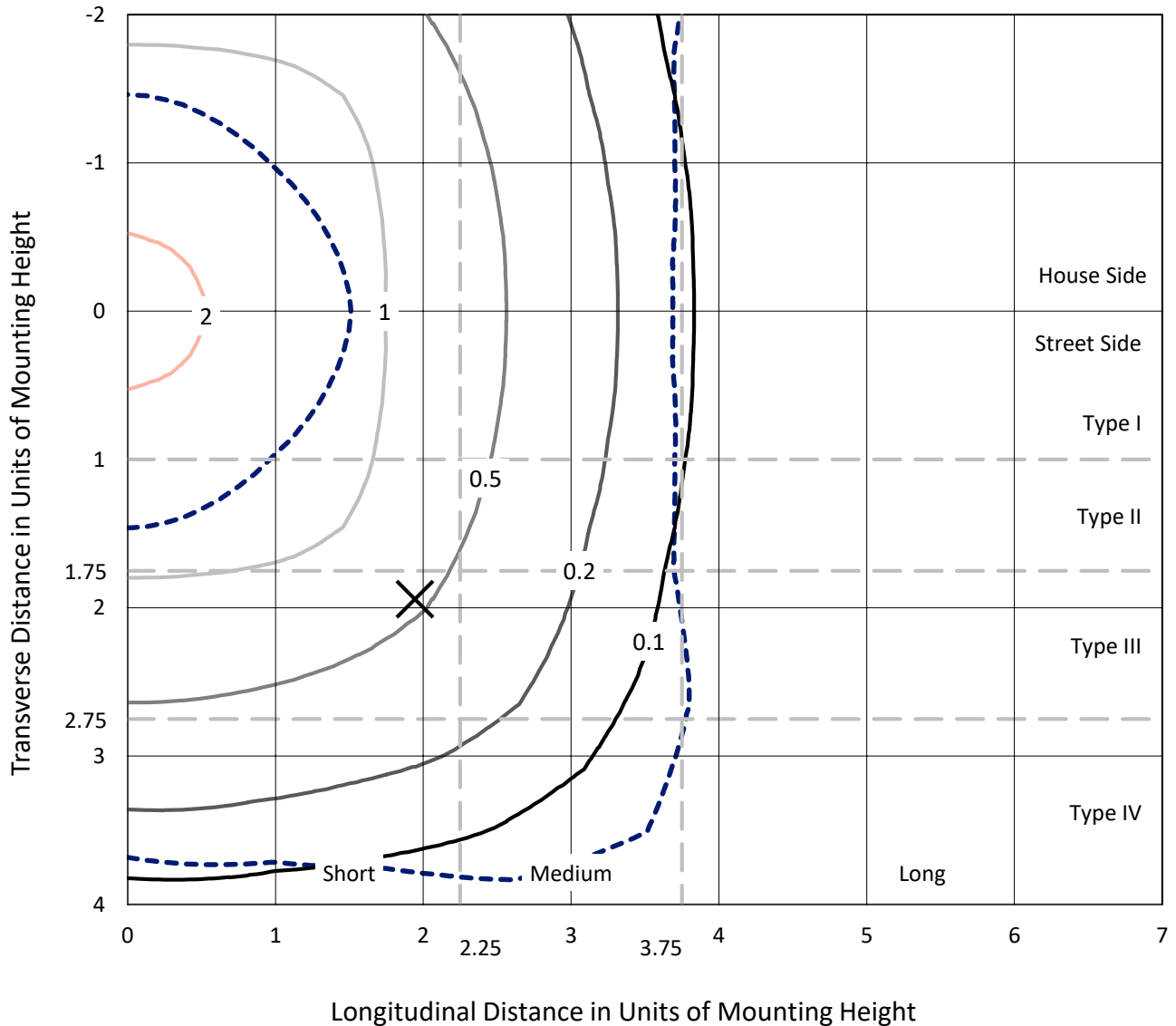
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

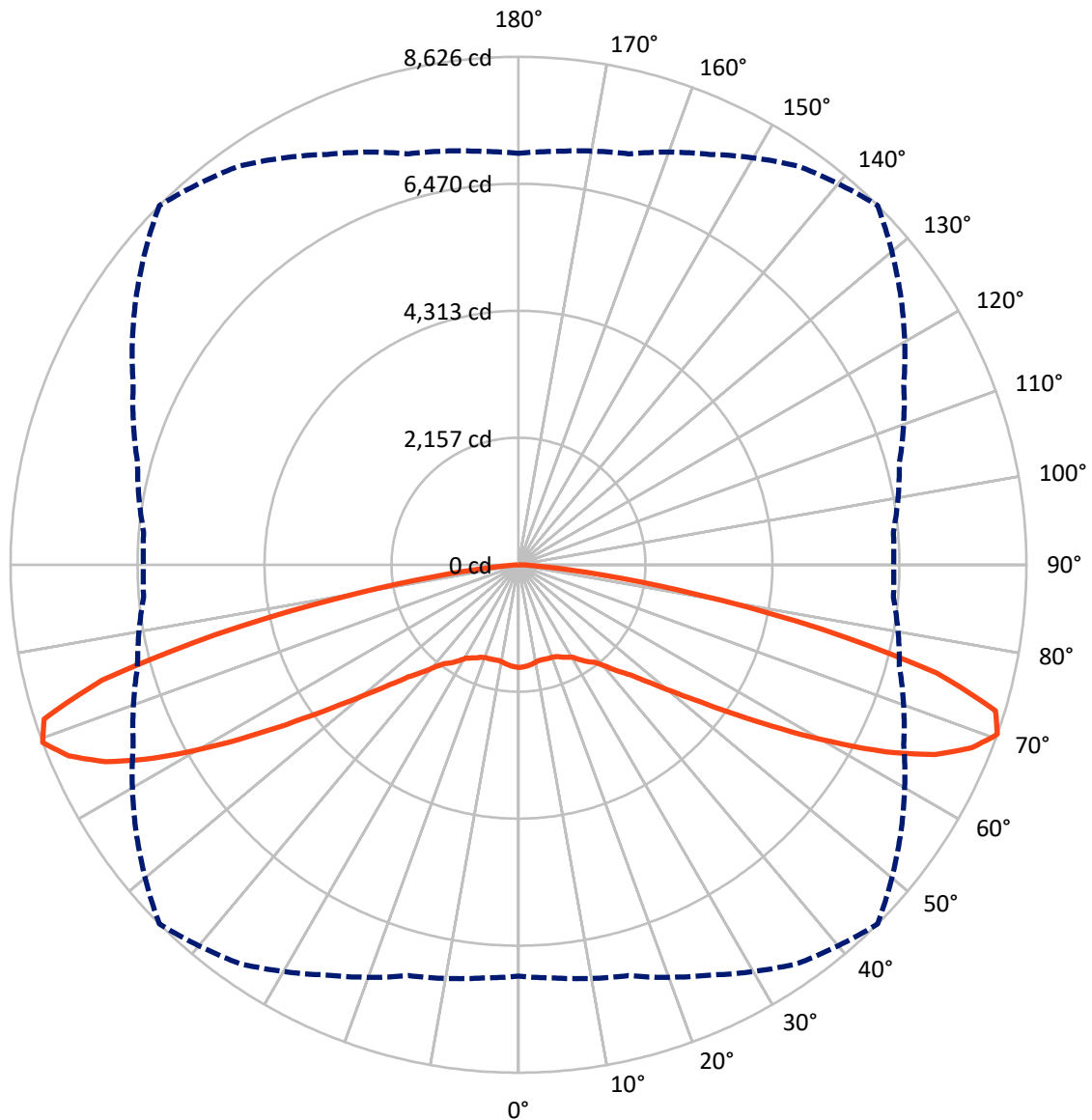
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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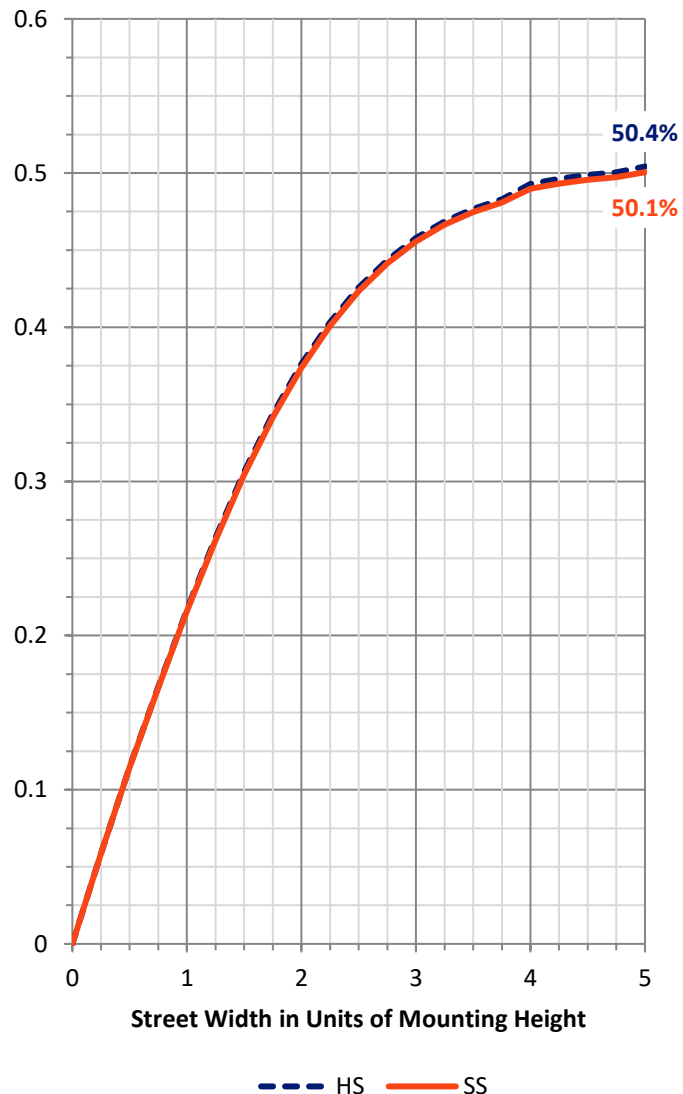
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10593.6	0.0	10593.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10593.6	0.0	10593.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21187.1	0.0	21187.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.7	0.8
10°-20°	475.4	2.2
20°-30°	810.5	3.8
30°-40°	1266.5	6.0
40°-50°	2146.3	10.1
50°-60°	3914.0	18.5
60°-70°	6738.3	31.8
70°-80°	5281.7	24.9
80°-90°	391.6	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°	21187.1	100.0
0°-180°	21187.1	100.0

**Coefficient of Utilization**

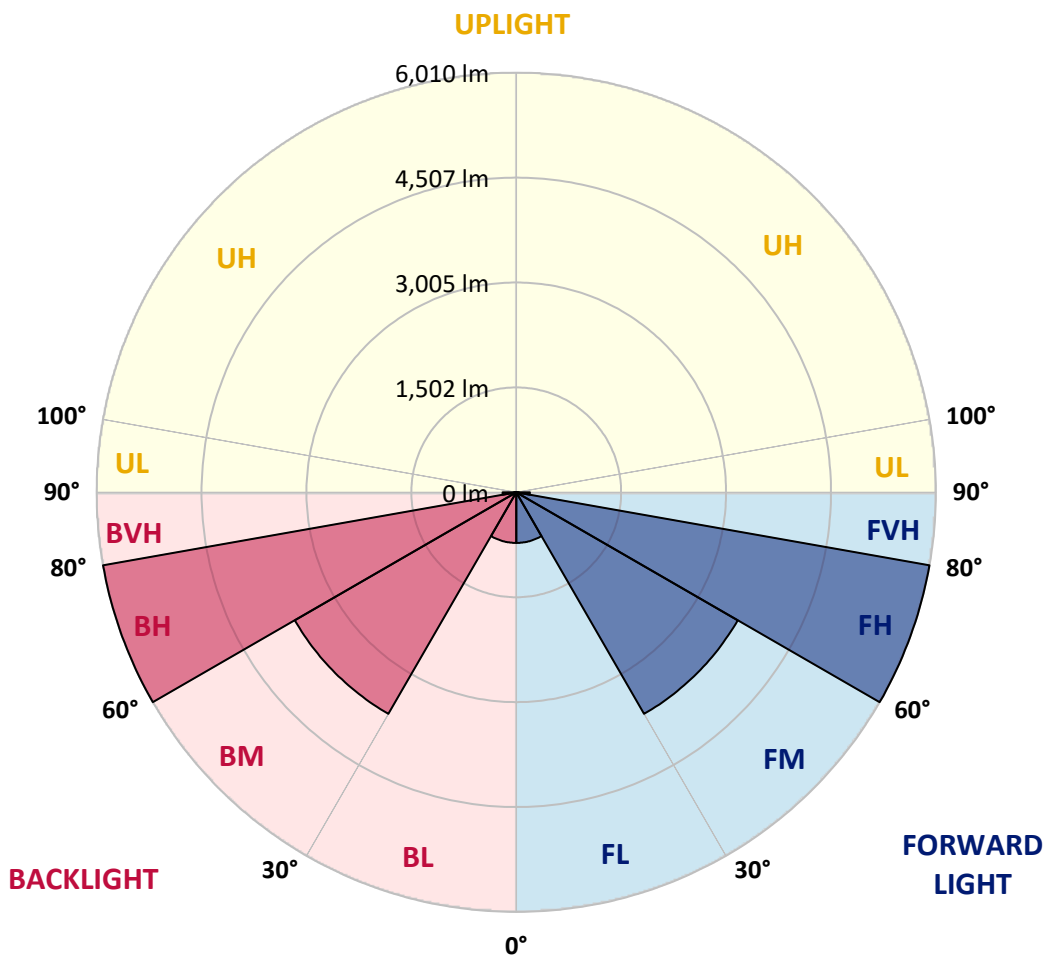


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	724.3	3.4			
FM (30°-60°)	3663.4	17.3			
FH (60°-80°)	6010.0	28.4			G3/7500
FVH (80°-90°)	195.8	0.9			G2/225
BL (0°-30°)	724.3	3.4	B2/1000		
BM (30°-60°)	3663.4	17.3	B3/5000		
BH (60°-80°)	6010.0	28.4	B5		G3/7500
BVH (80°-90°)	195.8	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°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	1736.0	1738.1	1736.0	1737.4	1733.9	1735.3	1735.3	1735.3	1734.6	1735.3	1733.9
5°	1720.6	1722.0	1719.2	1720.6	1718.4	1720.6	1721.3	1720.6	1719.2	1719.9	1717.0
7.5°	1697.5	1698.9	1696.7	1698.9	1696.1	1699.5	1698.9	1696.7	1694.7	1694.7	1691.9
10°	1684.8	1685.5	1680.0	1677.8	1671.5	1672.9	1675.0	1677.2	1679.2	1683.4	1682.7
12.5°	1685.5	1685.5	1677.2	1668.0	1658.9	1661.0	1664.5	1672.2	1680.6	1688.3	1689.1
15°	1692.5	1691.9	1679.2	1664.5	1658.2	1664.5	1666.6	1671.5	1684.8	1698.1	1698.9
17.5°	1697.5	1697.5	1677.8	1661.0	1660.3	1670.1	1669.4	1671.5	1686.2	1705.8	1706.6
20°	1706.6	1706.6	1681.4	1663.1	1663.1	1673.6	1674.4	1677.8	1692.5	1714.2	1717.8
22.5°	1726.9	1727.6	1700.9	1686.2	1687.6	1693.9	1696.1	1701.7	1715.0	1738.8	1743.0
25°	1755.6	1757.0	1729.7	1721.3	1726.2	1738.1	1736.7	1740.9	1755.6	1778.8	1783.0
27.5°	1795.6	1792.0	1766.9	1763.3	1768.3	1776.6	1775.9	1776.6	1788.6	1809.6	1814.5
30°	1847.4	1846.0	1827.8	1829.9	1827.8	1825.0	1825.7	1831.3	1837.6	1854.4	1859.4
32.5°	1897.9	1899.3	1888.1	1898.6	1914.1	1924.5	1908.4	1893.0	1886.0	1895.0	1899.3
35°	1989.0	1992.5	1975.0	1968.0	1989.0	2019.9	1974.3	1949.1	1963.1	1975.0	1978.5
37.5°	2143.9	2146.0	2116.6	2088.5	2073.1	2102.5	2057.0	2059.1	2108.2	2130.5	2129.9
40°	2320.5	2321.2	2301.6	2277.1	2250.4	2257.4	2239.2	2244.8	2277.1	2297.4	2303.0
42.5°	2530.7	2528.7	2497.9	2462.7	2455.1	2462.1	2431.2	2427.1	2464.1	2500.6	2501.3
45°	2803.4	2798.5	2758.5	2720.0	2682.9	2667.4	2659.7	2680.1	2731.2	2764.8	2765.6
47.5°	3097.0	3083.7	3062.6	3031.8	2999.6	2984.2	2971.5	2981.4	3018.5	3031.8	3033.2
50°	3399.1	3401.9	3406.1	3394.2	3382.3	3377.4	3344.4	3325.5	3336.7	3312.2	3308.7
52.5°	3757.2	3762.8	3803.5	3837.8	3858.2	3868.6	3806.3	3741.1	3704.7	3657.0	3643.0
55°	4179.9	4189.0	4248.5	4343.8	4442.0	4493.8	4381.0	4259.0	4146.2	4057.2	4028.5
57.5°	4650.8	4667.0	4748.9	4931.9	5133.0	5255.6	5065.0	4843.6	4625.6	4497.3	4474.9
60°	5203.1	5218.5	5332.0	5594.1	5920.1	6104.3	5815.7	5453.3	5182.0	5059.4	5018.1
62.5°	5860.5	5861.9	6001.3	6307.6	6737.9	6994.4	6603.4	6119.1	5839.4	5691.6	5651.6
65°	6567.6	6571.1	6715.5	7046.3	7491.3	7770.2	7328.8	6824.1	6482.1	6264.2	6233.4
67.5°	7067.3	7082.0	7234.1	7632.2	8048.5	8300.1	7843.2	7272.7	6877.4	6617.3	6591.4
70°	6987.4	7044.9	7223.6	7688.2	8267.2	8626.0	7926.5	7219.4	6698.0	6391.0	6369.3
72.5°	6093.8	6203.9	6442.2	7051.9	7977.7	8471.8	7471.7	6466.0	5875.9	5614.4	5575.2
75°	4149.7	4328.4	4687.9	5567.5	6815.8	7335.0	6290.1	5155.4	4600.4	4238.7	4212.1
77.5°	1850.2	1890.9	2346.5	3359.2	4703.4	5267.5	4570.2	3372.5	2531.5	2019.1	1911.2
80°	515.8	522.1	696.6	1251.0	2354.1	3095.0	2527.3	1314.0	738.7	520.7	490.6
82.5°	164.0	178.0	217.2	324.5	791.3	1412.2	812.3	350.4	249.5	199.1	179.4
85°	79.9	79.2	110.0	131.7	201.9	312.5	215.2	162.6	142.2	94.6	85.5
87.5°	33.6	34.4	51.1	46.3	58.9	50.5	69.4	72.8	76.4	42.0	36.4
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)