

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: P316536

Luminaire Tested: **GAN-SA2D-750-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316536  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2D-750-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16676 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

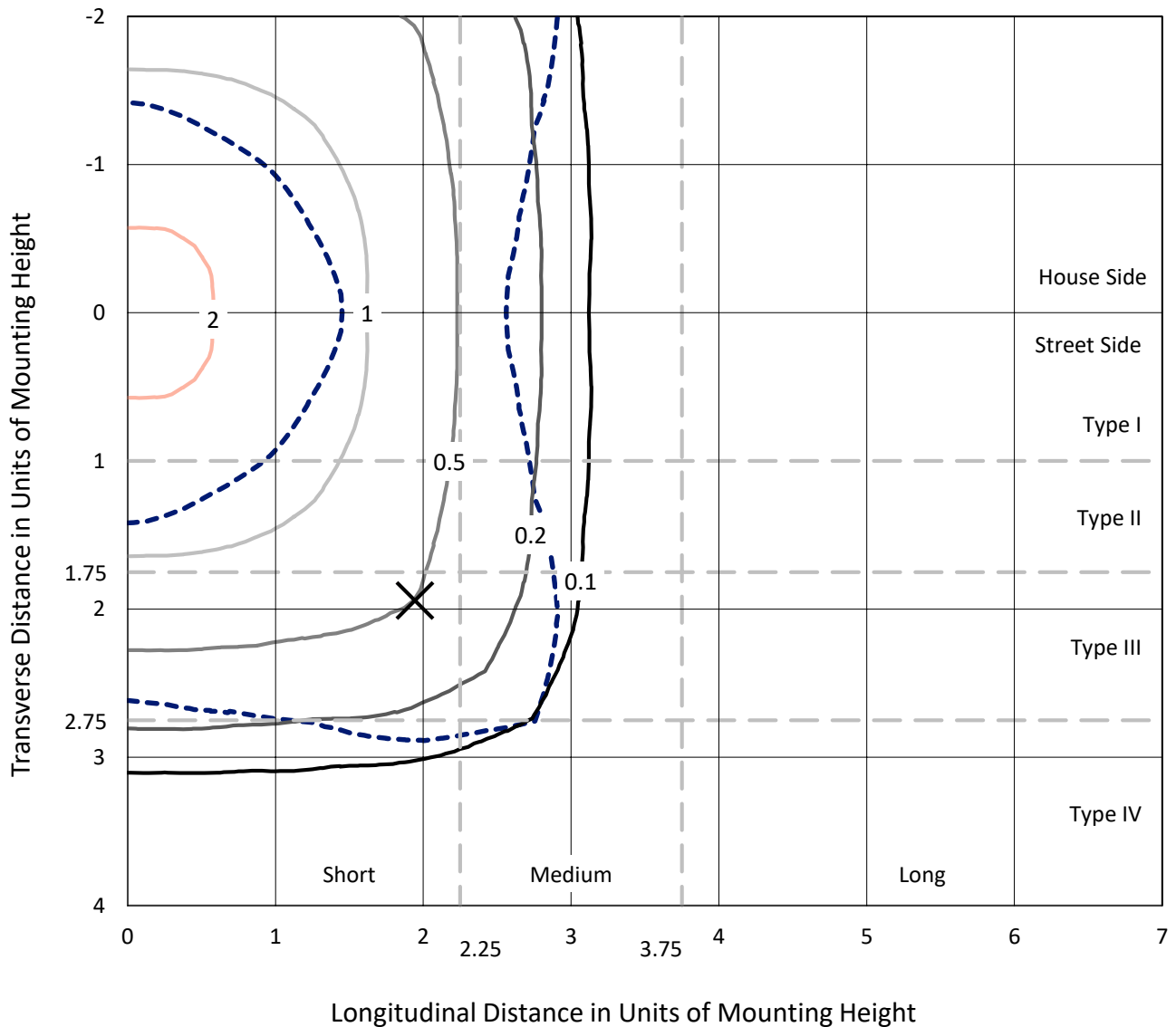
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

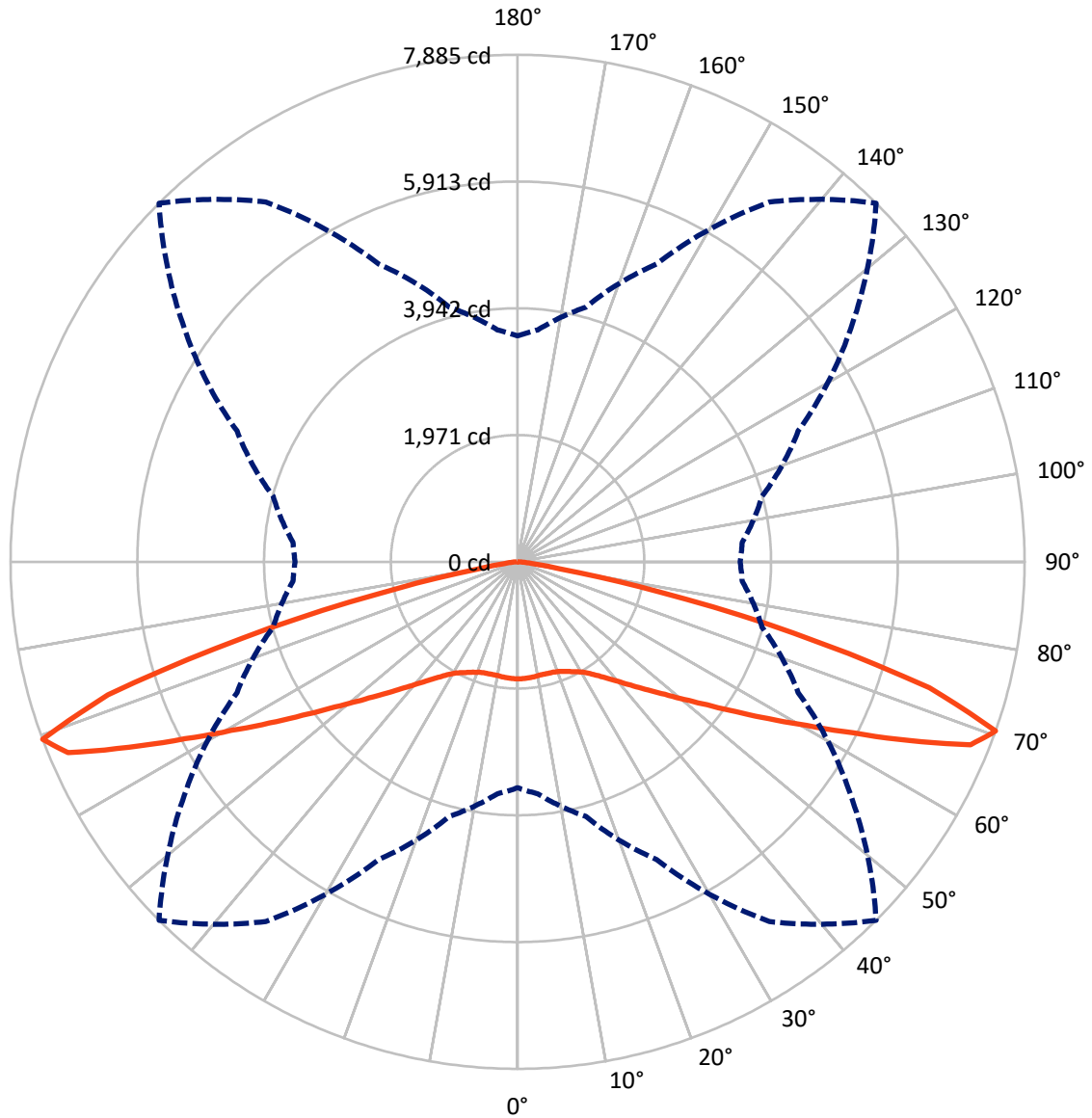
✕ Max cd  
 - - - 1/2 Max cd



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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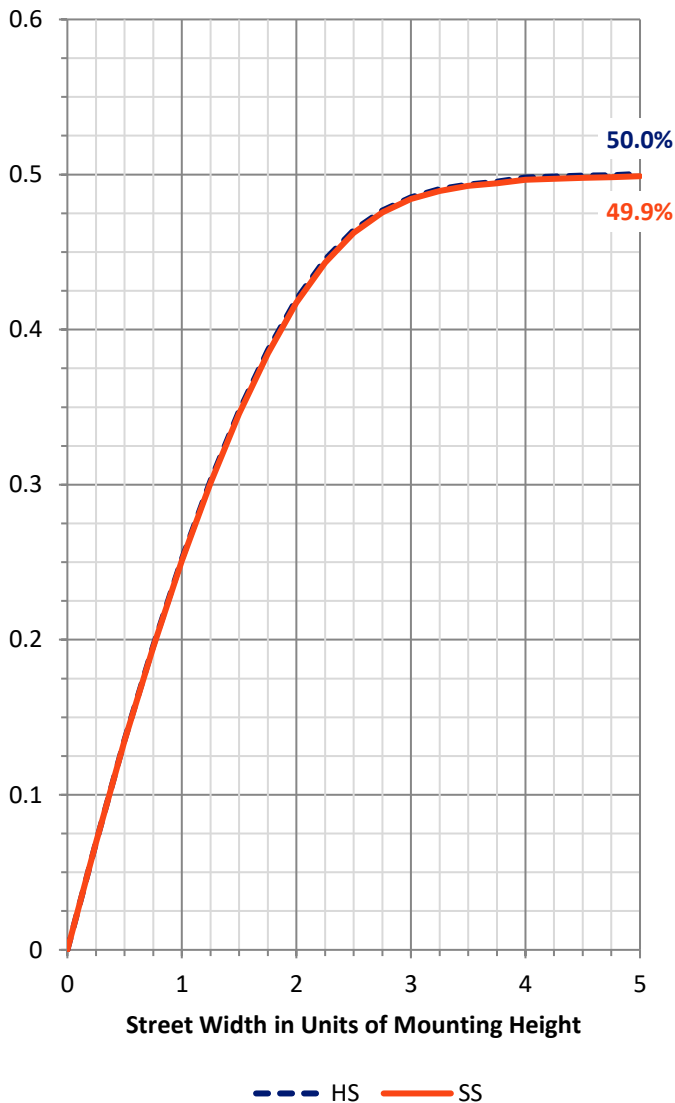
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8338.0	0.0	8338.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8338.0	0.0	8338.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16676.0	0.0	16676.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.5	1.0
10°-20°	506.4	3.0
20°-30°	862.1	5.2
30°-40°	1367.2	8.2
40°-50°	2224.9	13.3
50°-60°	3668.4	22.0
60°-70°	5385.3	32.3
70°-80°	2381.4	14.3
80°-90°	107.8	0.6
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°	16676.0	100.0
0°-180°	16676.0	100.0

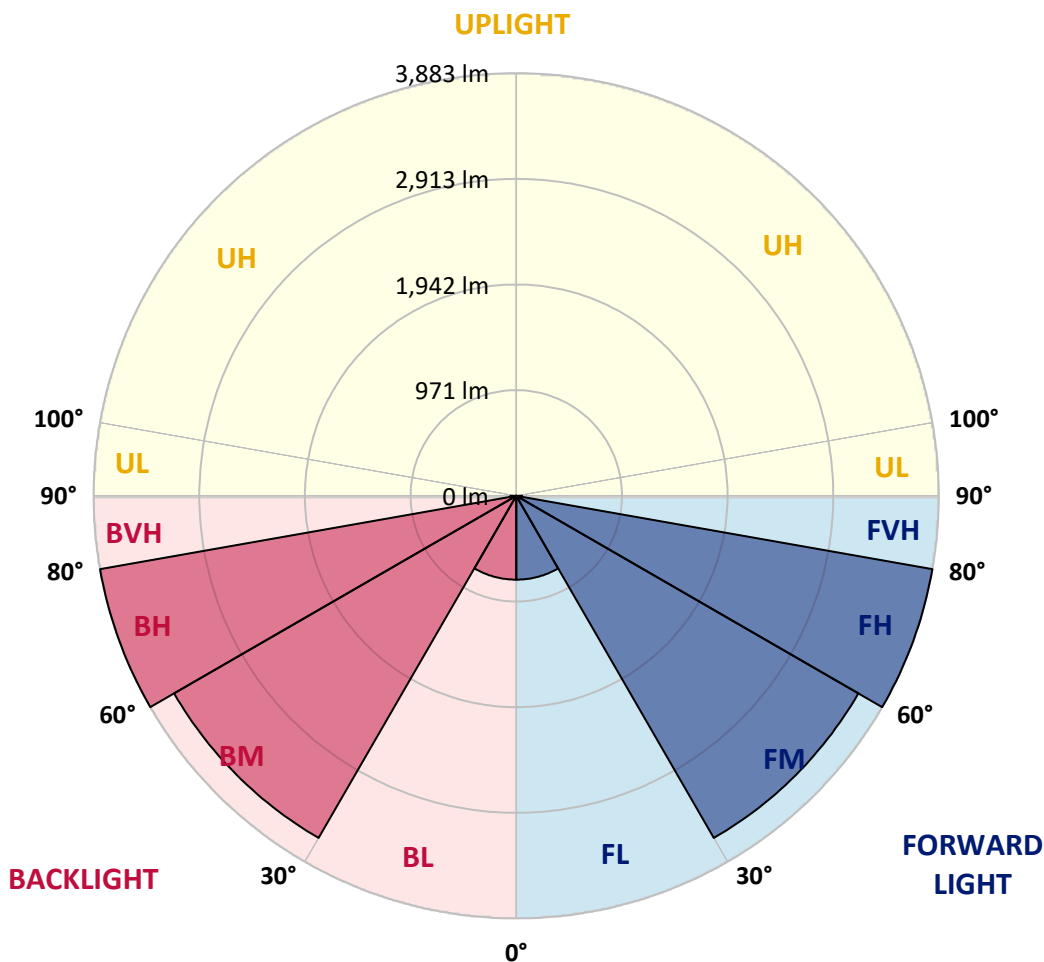


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	770.5	4.6			
FM (30°-60°)	3630.2	21.8			
FH (60°-80°)	3883.4	23.3			G2/5000
FVH (80°-90°)	53.9	0.3			G1/100
BL (0°-30°)	770.5	4.6	B2/1000		
BM (30°-60°)	3630.2	21.8	B3/5000		
BH (60°-80°)	3883.4	23.3	B4/5000		G2/5000
BVH (80°-90°)	53.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1821.3	1821.3	1821.3	1821.3	1821.3	1821.3	1821.3	1821.3	1821.3	1821.3	1821.3
2.5°	1818.5	1816.9	1820.7	1820.2	1816.9	1817.4	1817.4	1819.1	1819.1	1818.0	1818.0
5°	1811.9	1810.8	1815.2	1815.2	1811.9	1813.0	1814.1	1815.8	1815.2	1814.1	1813.6
7.5°	1803.6	1803.1	1807.5	1807.5	1805.3	1806.4	1805.3	1805.8	1804.7	1803.6	1802.0
10°	1789.8	1790.9	1794.8	1795.9	1795.9	1796.4	1795.3	1792.6	1790.9	1789.3	1787.6
12.5°	1777.1	1776.6	1782.1	1784.9	1789.3	1794.2	1790.9	1783.2	1779.9	1776.6	1775.5
15°	1768.8	1769.4	1774.9	1779.9	1787.6	1798.1	1794.2	1782.1	1775.5	1771.6	1770.5
17.5°	1767.2	1768.3	1775.5	1784.3	1792.6	1804.2	1802.0	1789.8	1778.8	1771.6	1770.0
20°	1771.1	1771.6	1782.6	1795.3	1809.7	1820.7	1815.8	1802.5	1787.6	1776.6	1773.8
22.5°	1778.2	1780.4	1794.2	1814.1	1836.2	1851.1	1845.0	1822.4	1799.2	1785.4	1781.5
25°	1800.9	1801.4	1820.2	1847.2	1873.7	1890.8	1883.6	1851.6	1821.8	1806.4	1801.4
27.5°	1847.8	1849.4	1868.2	1899.6	1922.3	1933.3	1928.9	1903.0	1877.6	1861.0	1862.7
30°	1915.7	1917.9	1938.8	1973.6	1987.4	1990.2	1989.1	1976.9	1953.7	1931.7	1933.3
32.5°	1998.4	1999.5	2027.7	2059.1	2070.2	2072.4	2070.2	2059.1	2031.6	2001.8	2003.4
35°	2105.0	2108.3	2135.3	2165.7	2174.5	2178.9	2175.0	2160.7	2132.0	2102.7	2101.6
37.5°	2236.3	2236.9	2265.0	2296.5	2307.5	2308.6	2304.2	2294.8	2258.9	2232.4	2230.8
40°	2388.6	2390.8	2424.0	2457.6	2462.0	2457.1	2463.1	2457.6	2420.6	2390.3	2395.3
42.5°	2574.1	2579.0	2618.8	2651.9	2639.2	2636.4	2640.3	2642.0	2612.2	2575.2	2571.9
45°	2789.9	2794.3	2844.0	2870.4	2862.2	2844.0	2851.7	2864.9	2823.5	2777.7	2782.1
47.5°	3036.0	3047.1	3100.0	3124.9	3104.5	3079.6	3094.5	3114.4	3065.8	3009.0	3006.2
50°	3309.8	3323.6	3394.2	3429.0	3408.6	3362.7	3387.6	3400.8	3330.7	3257.3	3251.3
52.5°	3601.7	3615.5	3704.4	3776.1	3762.9	3691.7	3726.4	3712.6	3632.1	3533.3	3525.6
55°	3932.3	3937.8	4033.9	4149.8	4163.0	4110.6	4108.4	4085.7	3966.5	3852.3	3846.8
57.5°	4272.3	4276.1	4400.3	4537.2	4599.6	4599.6	4537.7	4489.7	4331.3	4198.9	4185.1
60°	4639.3	4653.1	4790.5	4976.5	5122.2	5165.3	5056.0	4925.2	4753.0	4591.3	4575.3
62.5°	4966.0	4982.0	5192.3	5469.4	5703.4	5860.1	5593.0	5379.9	5066.5	4807.1	4776.7
65°	5007.4	5050.5	5356.8	5858.4	6382.2	6695.1	6183.0	5658.1	5086.9	4726.5	4695.6
67.5°	4573.1	4645.9	5059.8	5840.8	6923.1	7594.7	6559.9	5499.2	4720.4	4321.9	4287.7
70°	3514.0	3619.9	4097.3	5109.0	6829.8	7884.5	6323.7	4814.2	3935.6	3506.8	3458.8
72.5°	1927.8	1971.4	2400.8	3498.5	5475.4	6700.1	5274.5	3559.8	2609.9	2123.7	2043.1
75°	611.5	627.0	845.5	1431.6	3097.3	4437.8	3350.6	1747.3	962.0	709.2	700.9
77.5°	271.5	273.2	305.8	417.8	1066.8	2248.5	1281.5	475.7	327.8	286.4	295.8
80°	171.6	171.6	189.3	207.0	290.3	652.9	346.6	226.3	193.2	179.4	183.2
82.5°	82.2	91.1	123.1	132.5	159.5	219.7	177.7	147.9	129.1	96.0	89.4
85°	54.1	45.3	77.8	87.8	92.7	105.4	103.2	97.7	84.4	48.0	53.5
87.5°	24.3	23.2	40.3	37.0	34.8	26.5	39.7	49.1	47.5	23.7	23.7
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)