

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: P316468

Luminaire Tested: **GAN-SA4A-740-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316468  
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-SA4A-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19747 lumens  
Efficiency: N/A  
Efficacy: 153.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

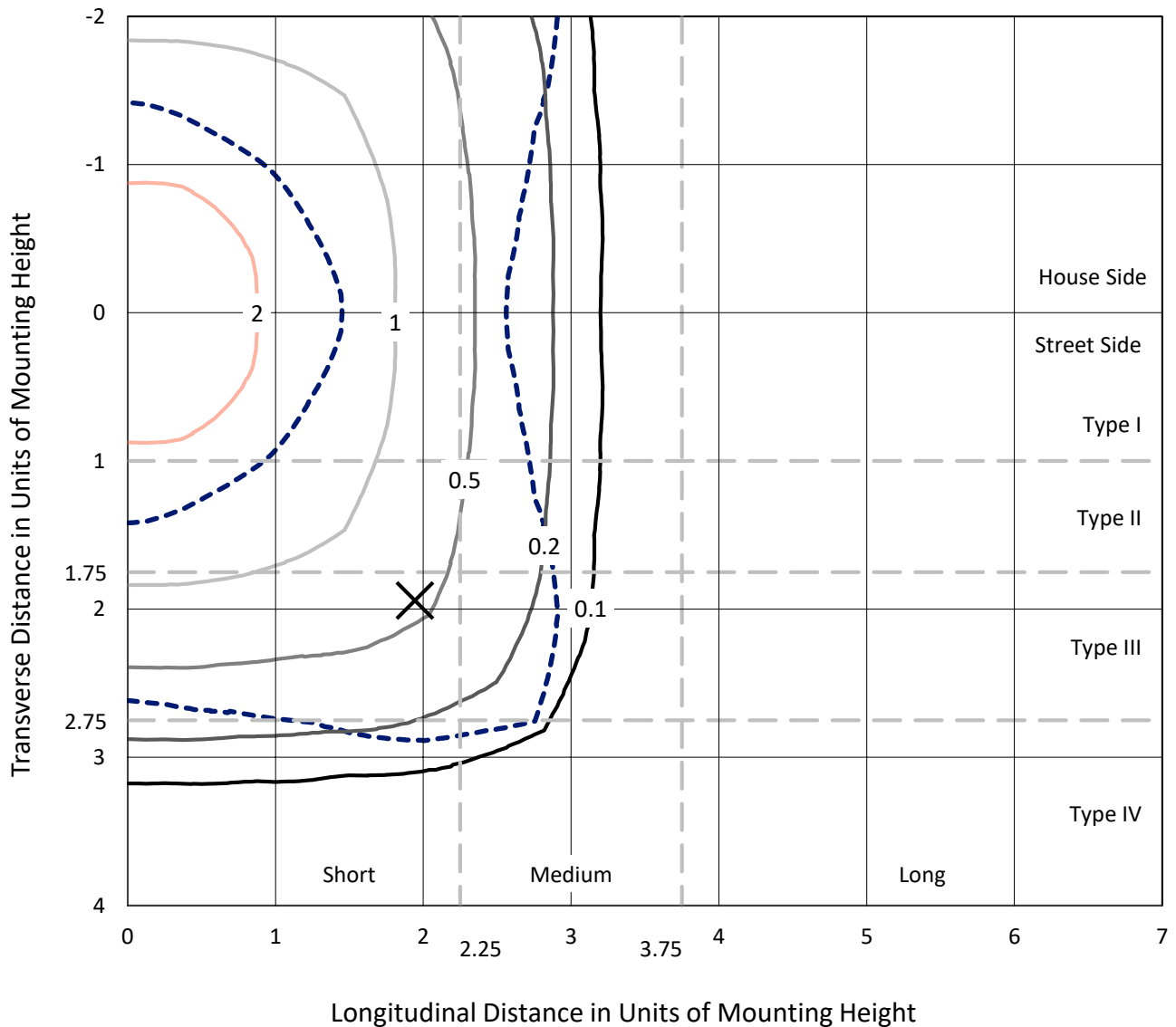
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

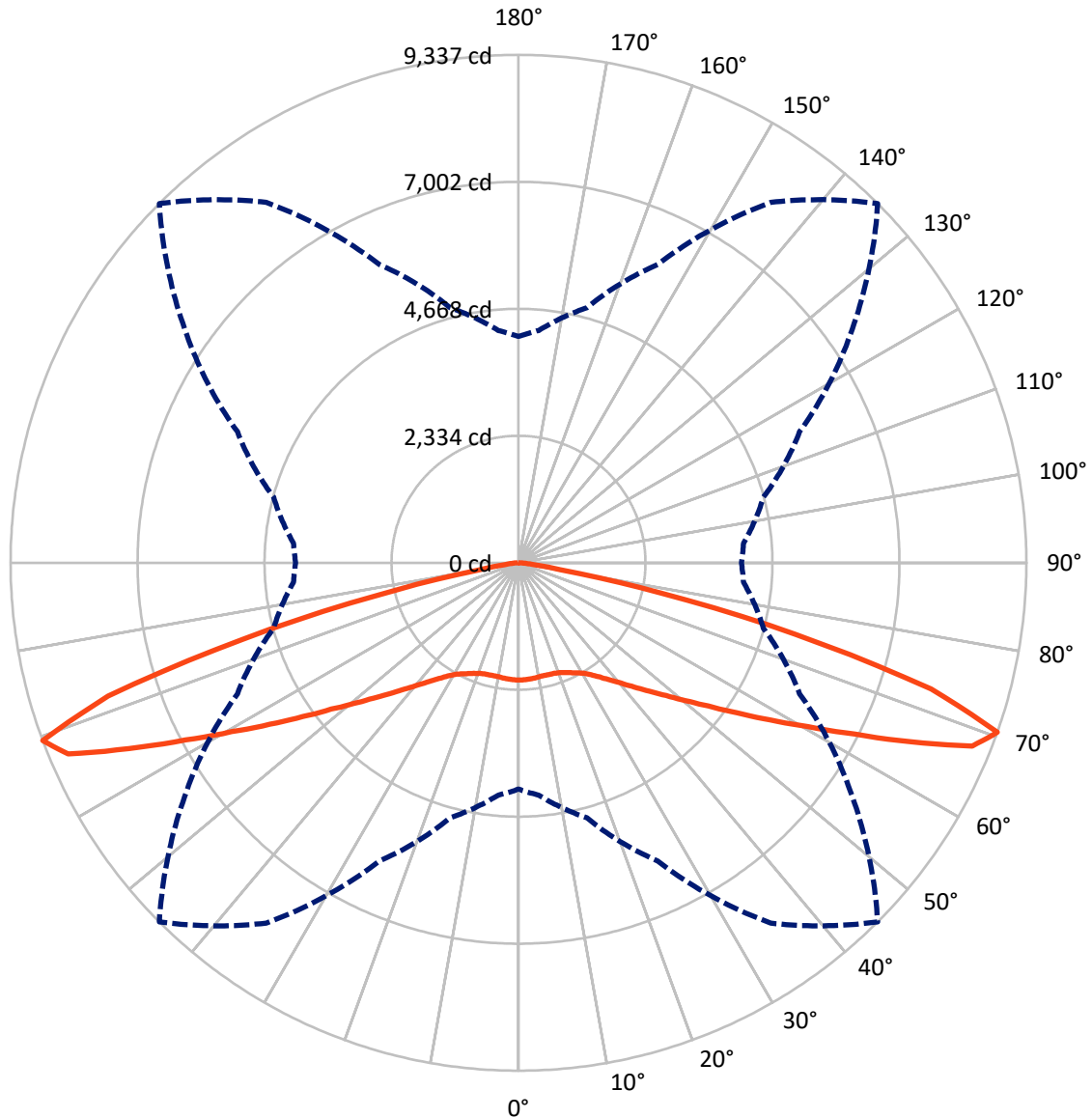
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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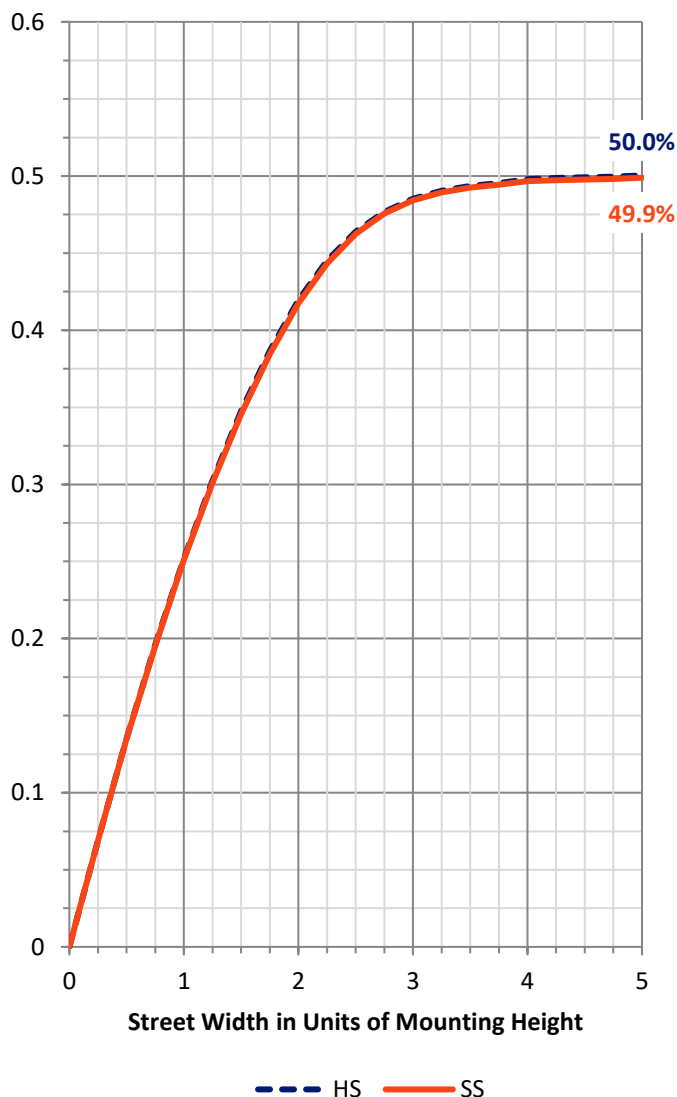
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9873.5	0.0	9873.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9873.5	0.0	9873.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19747.0	0.0	19747.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.3	1.0
10°-20°	599.7	3.0
20°-30°	1020.8	5.2
30°-40°	1619.0	8.2
40°-50°	2634.6	13.3
50°-60°	4344.0	22.0
60°-70°	6377.1	32.3
70°-80°	2819.9	14.3
80°-90°	127.7	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°	19747.0	100.0
0°-180°	19747.0	100.0

**Coefficient of Utilization**



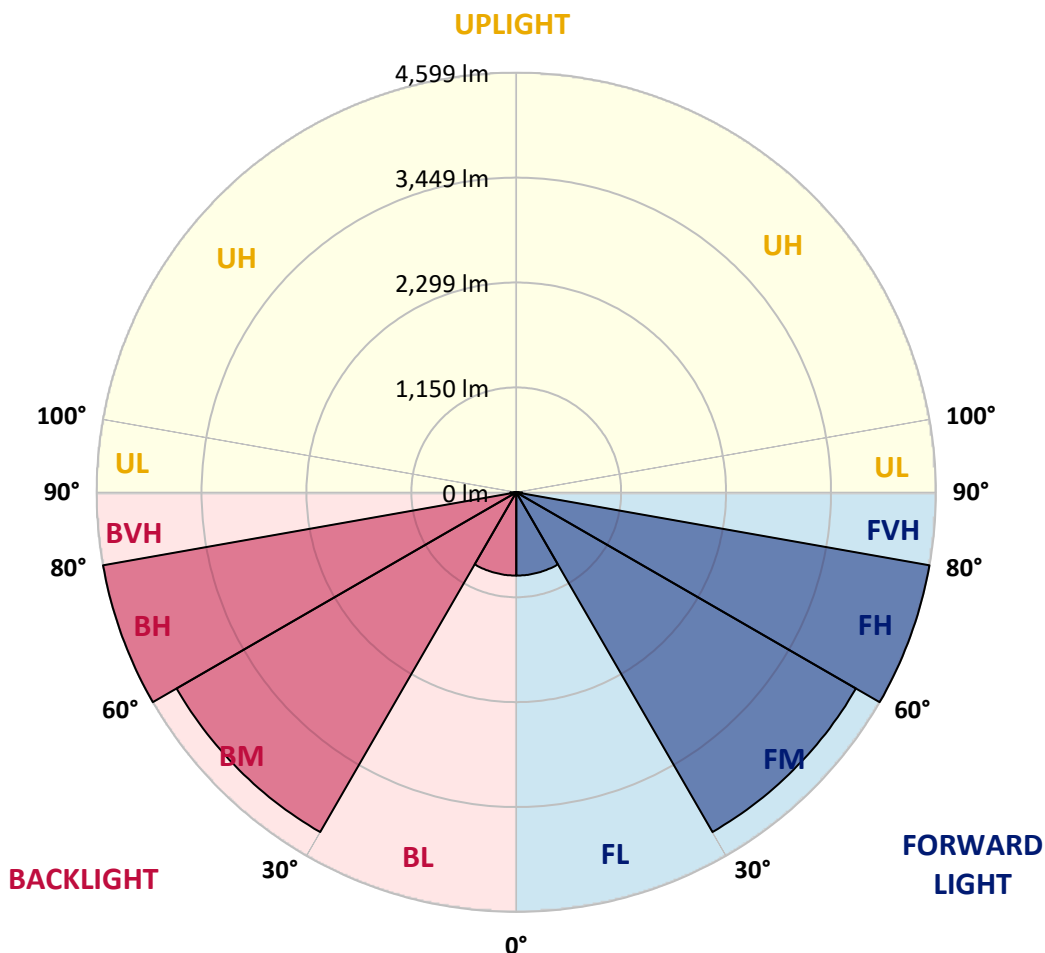
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	912.4	4.6			
FM (30°-60°)	4298.8	21.8			
FH (60°-80°)	4598.5	23.3			G2/5000
FVH (80°-90°)	63.8	0.3			G1/100
BL (0°-30°)	912.4	4.6	B2/1000		
BM (30°-60°)	4298.8	21.8	B3/5000		
BH (60°-80°)	4598.5	23.3	B4/5000		G2/5000
BVH (80°-90°)	63.8	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°	2156.7	2156.7	2156.7	2156.7	2156.7	2156.7	2156.7	2156.7	2156.7	2156.7	2156.7
2.5°	2153.4	2151.5	2156.0	2155.4	2151.5	2152.1	2152.1	2154.1	2154.1	2152.8	2152.8
5°	2145.6	2144.3	2149.5	2149.5	2145.6	2146.9	2148.2	2150.1	2149.5	2148.2	2147.5
7.5°	2135.8	2135.1	2140.3	2140.3	2137.7	2139.0	2137.7	2138.4	2137.1	2135.8	2133.8
10°	2119.4	2120.7	2125.3	2126.6	2126.6	2127.3	2126.0	2122.7	2120.7	2118.8	2116.8
12.5°	2104.4	2103.7	2110.3	2113.5	2118.8	2124.7	2120.7	2111.6	2107.7	2103.7	2102.4
15°	2094.6	2095.2	2101.8	2107.7	2116.8	2129.2	2124.7	2110.3	2102.4	2097.9	2096.6
17.5°	2092.6	2093.9	2102.4	2112.9	2122.7	2136.4	2133.8	2119.4	2106.4	2097.9	2095.9
20°	2097.2	2097.9	2110.9	2126.0	2143.0	2156.0	2150.1	2134.5	2116.8	2103.7	2100.5
22.5°	2105.7	2108.3	2124.7	2148.2	2174.3	2192.0	2184.8	2158.0	2130.5	2114.2	2109.6
25°	2132.5	2133.2	2155.4	2187.4	2218.8	2239.0	2230.5	2192.6	2157.3	2139.0	2133.2
27.5°	2188.0	2190.0	2212.2	2249.5	2276.3	2289.3	2284.1	2253.4	2223.3	2203.7	2205.7
30°	2268.4	2271.0	2295.9	2337.1	2353.4	2356.7	2355.4	2341.0	2313.5	2287.4	2289.3
32.5°	2366.5	2367.8	2401.1	2438.4	2451.4	2454.0	2451.4	2438.4	2405.7	2370.4	2372.3
35°	2492.6	2496.5	2528.5	2564.5	2574.9	2580.2	2575.6	2558.6	2524.6	2490.0	2488.7
37.5°	2648.1	2648.8	2682.1	2719.4	2732.4	2733.8	2728.5	2717.4	2674.9	2643.6	2641.6
40°	2828.5	2831.1	2870.3	2910.2	2915.4	2909.6	2916.7	2910.2	2866.4	2830.5	2836.4
42.5°	3048.1	3054.0	3101.0	3140.3	3125.2	3122.0	3126.5	3128.5	3093.2	3049.4	3045.5
45°	3303.6	3308.9	3367.7	3399.1	3389.3	3367.7	3376.8	3392.5	3343.5	3289.3	3294.5
47.5°	3595.1	3608.2	3670.9	3700.3	3676.2	3646.7	3664.4	3687.9	3630.4	3563.1	3559.8
50°	3919.3	3935.6	4019.3	4060.4	4036.3	3982.0	4011.4	4027.1	3944.1	3857.2	3850.0
52.5°	4265.0	4281.3	4386.6	4471.5	4455.8	4371.5	4412.7	4396.4	4300.9	4184.0	4174.8
55°	4656.5	4663.0	4776.7	4914.0	4929.6	4867.6	4864.9	4838.2	4697.0	4561.7	4555.2
57.5°	5059.0	5063.6	5210.7	5372.7	5446.6	5446.6	5373.4	5316.5	5129.0	4972.1	4955.8
60°	5493.7	5510.0	5672.7	5893.0	6065.5	6116.5	5987.1	5832.2	5628.3	5436.8	5417.8
62.5°	5880.5	5899.5	6148.5	6476.6	6753.7	6939.3	6623.0	6370.7	5999.5	5692.3	5656.4
65°	5929.6	5980.5	6343.3	6937.3	7557.5	7928.1	7321.6	6700.1	6023.7	5596.9	5560.3
67.5°	5415.2	5501.5	5991.6	6916.4	8198.0	8993.4	7768.0	6511.9	5589.7	5117.9	5077.3
70°	4161.1	4286.6	4851.9	6049.8	8087.5	9336.5	7488.3	5700.8	4660.4	4152.6	4095.7
72.5°	2282.8	2334.4	2842.9	4142.8	6483.8	7934.0	6245.9	4215.3	3090.6	2514.8	2419.4
75°	724.1	742.4	1001.2	1695.3	3667.7	5255.1	3967.6	2069.1	1139.1	839.8	830.0
77.5°	321.5	323.5	362.1	494.7	1263.3	2662.5	1517.5	563.4	388.2	339.2	350.3
80°	203.3	203.3	224.2	245.1	343.8	773.1	410.4	268.0	228.7	212.4	217.0
82.5°	97.4	107.8	145.7	156.8	188.9	260.1	210.4	175.1	152.9	113.7	105.9
85°	64.0	53.6	92.1	103.9	109.8	124.8	122.2	115.7	100.0	56.9	63.4
87.5°	28.8	27.4	47.7	43.8	41.2	31.4	47.1	58.2	56.2	28.1	28.1
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)