

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: P316110

Luminaire Tested: **GAN-SA6A-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316110  
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-SA6A-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 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: 26737 lumens  
Efficiency: N/A  
Efficacy: 138.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

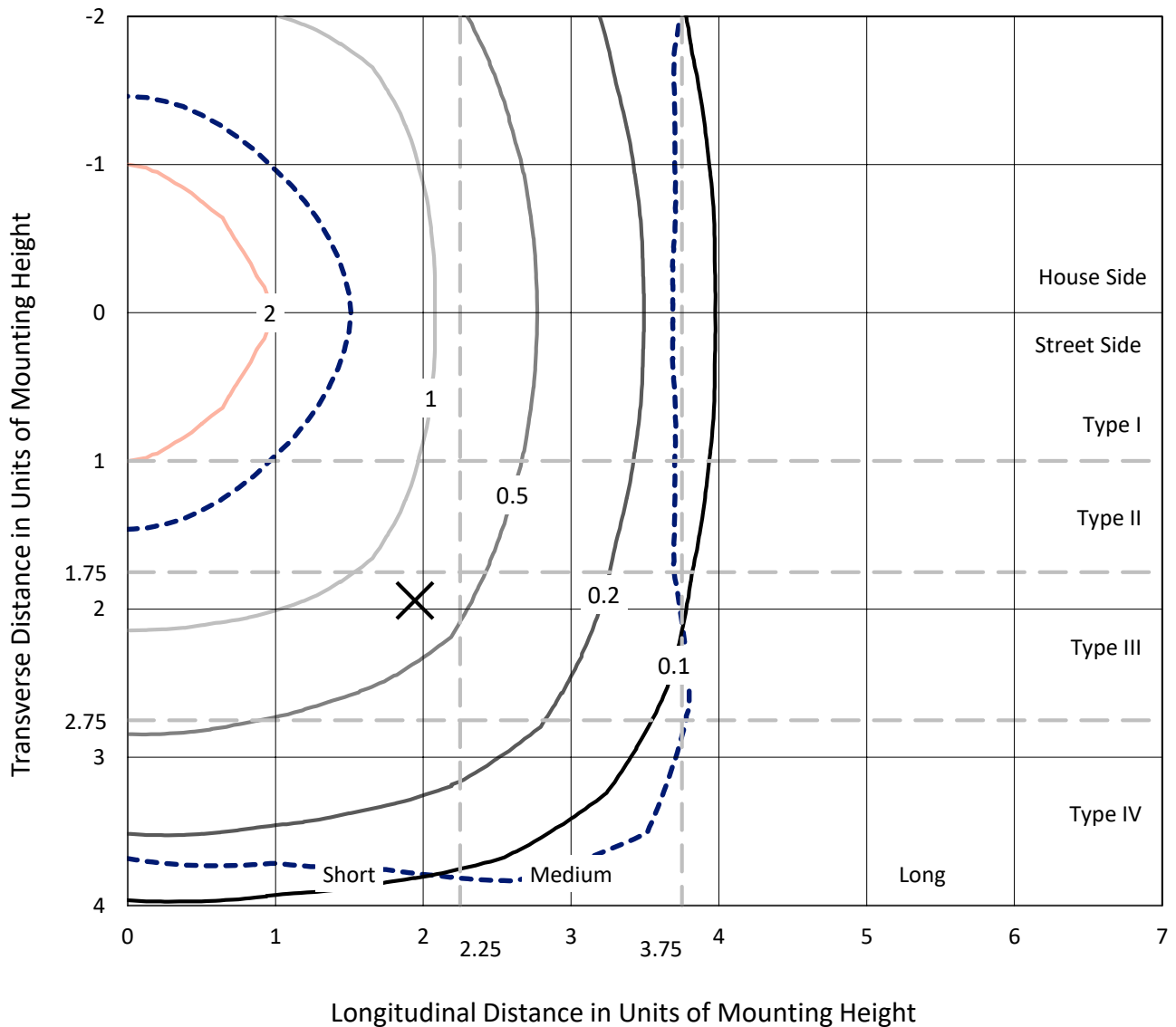
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

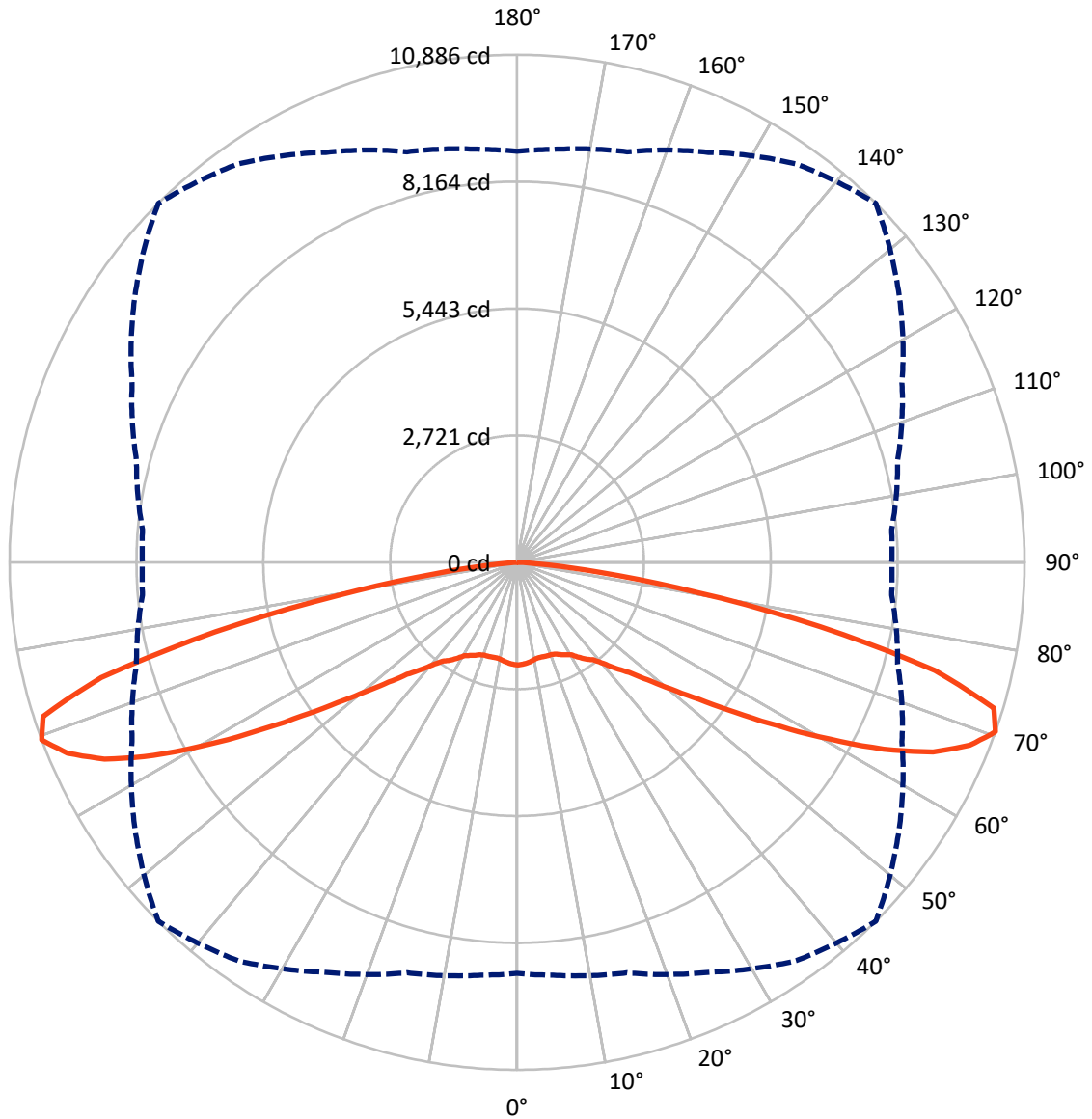
✕ Max cd  
 - - - 1/2 Max cd



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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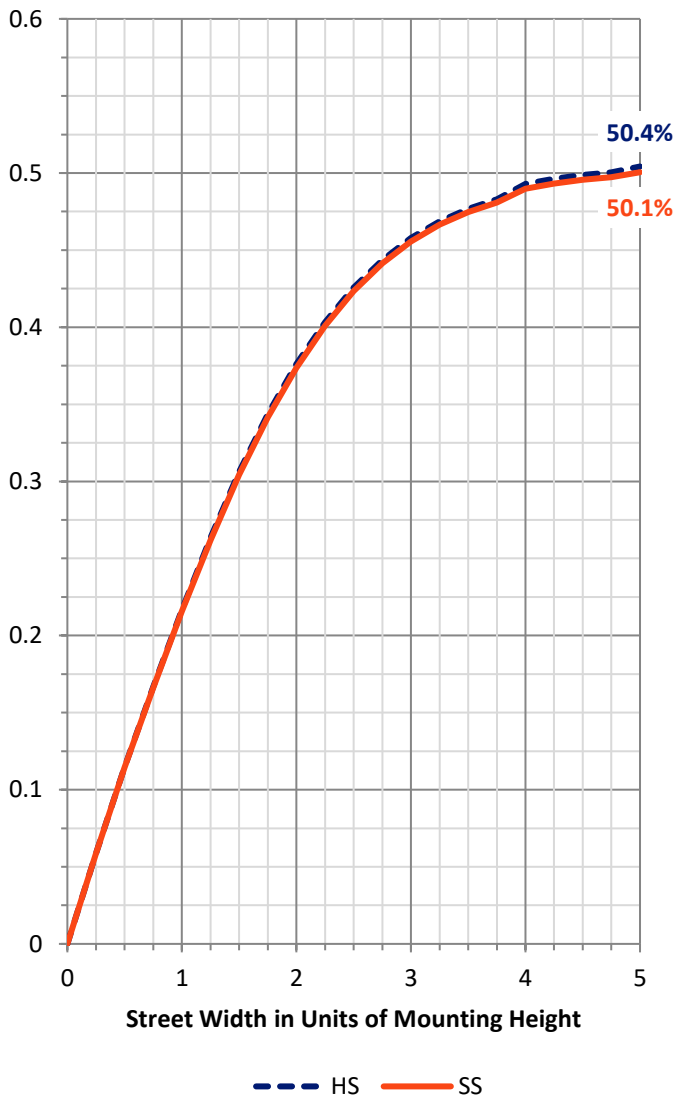
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13368.5	0.0	13368.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13368.5	0.0	13368.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26737.0	0.0	26737.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.4	0.8
10°-20°	599.9	2.2
20°-30°	1022.8	3.8
30°-40°	1598.2	6.0
40°-50°	2708.6	10.1
50°-60°	4939.3	18.5
60°-70°	8503.4	31.8
70°-80°	6665.2	24.9
80°-90°	494.2	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°	26737.0	100.0
0°-180°	26737.0	100.0

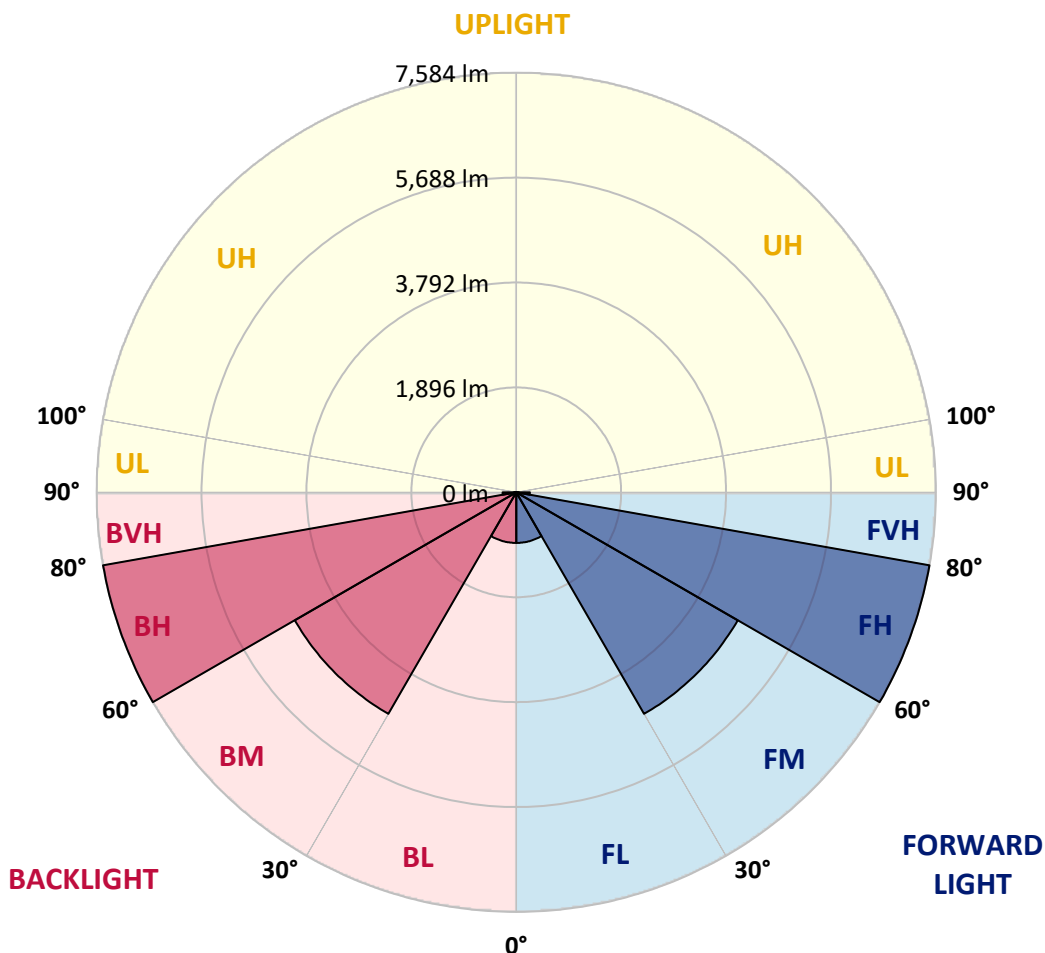


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	914.1	3.4			
FM (30°-60°)	4623.0	17.3			
FH (60°-80°)	7584.3	28.4			G4/12000
FVH (80°-90°)	247.1	0.9			G3/500
BL (0°-30°)	914.1	3.4	B2/1000		
BM (30°-60°)	4623.0	17.3	B3/5000		
BH (60°-80°)	7584.3	28.4	B5		G4/12000
BVH (80°-90°)	247.1	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2200.5	2200.5	2200.5	2200.5	2200.5	2200.5	2200.5	2200.5	2200.5	2200.5	2200.5
2.5°	2190.7	2193.4	2190.7	2192.5	2188.1	2189.8	2189.8	2189.8	2189.0	2189.8	2188.1
5°	2171.3	2173.0	2169.5	2171.3	2168.6	2171.3	2172.2	2171.3	2169.5	2170.4	2166.9
7.5°	2142.1	2143.9	2141.2	2143.9	2140.3	2144.7	2143.9	2141.2	2138.5	2138.5	2135.0
10°	2126.2	2127.1	2120.0	2117.3	2109.4	2111.1	2113.8	2116.4	2119.1	2124.4	2123.5
12.5°	2127.1	2127.1	2116.4	2104.9	2093.4	2096.1	2100.5	2110.2	2120.9	2130.6	2131.5
15°	2135.9	2135.0	2119.1	2100.5	2092.6	2100.5	2103.2	2109.4	2126.2	2143.0	2143.9
17.5°	2142.1	2142.1	2117.3	2096.1	2095.2	2107.6	2106.7	2109.4	2127.9	2152.7	2153.6
20°	2153.6	2153.6	2121.7	2098.7	2098.7	2112.0	2112.9	2117.3	2135.9	2163.3	2167.7
22.5°	2179.2	2180.1	2146.5	2127.9	2129.7	2137.7	2140.3	2147.4	2164.2	2194.3	2199.6
25°	2215.5	2217.3	2182.8	2172.2	2178.3	2193.4	2191.6	2196.9	2215.5	2244.7	2250.0
27.5°	2265.9	2261.5	2229.6	2225.2	2231.4	2242.0	2241.1	2242.0	2257.1	2283.6	2289.8
30°	2331.4	2329.6	2306.6	2309.2	2306.6	2303.1	2303.9	2311.0	2319.0	2340.2	2346.4
32.5°	2395.0	2396.8	2382.7	2395.9	2415.4	2428.6	2408.3	2388.8	2380.0	2391.5	2396.8
35°	2510.0	2514.4	2492.3	2483.5	2510.0	2548.9	2491.4	2459.6	2477.3	2492.3	2496.7
37.5°	2705.5	2708.1	2671.0	2635.6	2616.1	2653.3	2595.8	2598.5	2660.4	2688.7	2687.8
40°	2928.3	2929.2	2904.5	2873.5	2839.9	2848.7	2825.7	2832.8	2873.5	2899.2	2906.2
42.5°	3193.7	3191.0	3152.1	3107.9	3098.2	3107.0	3068.1	3062.8	3109.7	3155.6	3156.5
45°	3537.7	3531.5	3481.1	3432.5	3385.6	3366.1	3356.4	3382.1	3446.6	3489.1	3490.0
47.5°	3908.3	3891.5	3865.0	3826.0	3785.4	3765.9	3750.0	3762.4	3809.2	3826.0	3827.8
50°	4289.5	4293.0	4298.3	4283.3	4268.3	4262.1	4220.5	4196.6	4210.8	4179.8	4175.4
52.5°	4741.4	4748.5	4799.8	4843.1	4868.8	4882.0	4803.3	4721.1	4675.1	4614.9	4597.3
55°	5274.7	5286.2	5361.4	5481.7	5605.5	5671.0	5528.6	5374.7	5232.3	5120.0	5083.7
57.5°	5869.1	5889.4	5992.9	6223.7	6477.6	6632.3	6391.8	6112.3	5837.2	5675.4	5647.1
60°	6566.0	6585.5	6728.7	7059.5	7470.8	7703.4	7339.0	6881.7	6539.5	6384.7	6332.5
62.5°	7395.6	7397.4	7573.4	7959.9	8502.9	8826.6	8333.1	7721.9	7369.1	7182.4	7132.0
65°	8288.0	8292.4	8474.6	8892.0	9453.7	9805.7	9248.5	8611.7	8180.1	7905.0	7866.1
67.5°	8918.6	8937.2	9129.1	9631.4	10156.8	10474.3	9897.6	9177.7	8678.9	8350.8	8318.1
70°	8817.8	8890.3	9115.8	9702.2	10432.7	10885.5	10002.9	9110.5	8452.5	8065.1	8037.7
72.5°	7690.1	7829.0	8129.7	8899.1	10067.5	10691.0	9428.9	8159.7	7415.1	7085.2	7035.6
75°	5236.7	5462.2	5915.9	7025.9	8601.1	9256.4	7937.7	6505.9	5805.4	5349.0	5315.4
77.5°	2334.9	2386.2	2961.1	4239.1	5935.4	6647.4	5767.4	4255.9	3194.6	2548.0	2411.8
80°	650.9	658.9	879.1	1578.7	2970.8	3905.6	3189.3	1658.3	932.2	657.1	619.1
82.5°	207.0	224.6	274.2	409.5	998.5	1782.1	1025.1	442.2	314.9	251.2	226.4
85°	100.8	99.9	138.9	166.3	254.7	394.5	271.5	205.2	179.5	119.4	107.9
87.5°	42.5	43.3	64.6	58.4	74.3	63.7	87.6	92.0	96.4	53.1	46.0
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)