

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: P316513

Luminaire Tested: **GAN-SA9A-750-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316513  
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-SA9A-750-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 5000K, 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: 43766 lumens  
Efficiency: N/A  
Efficacy: 150.9 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

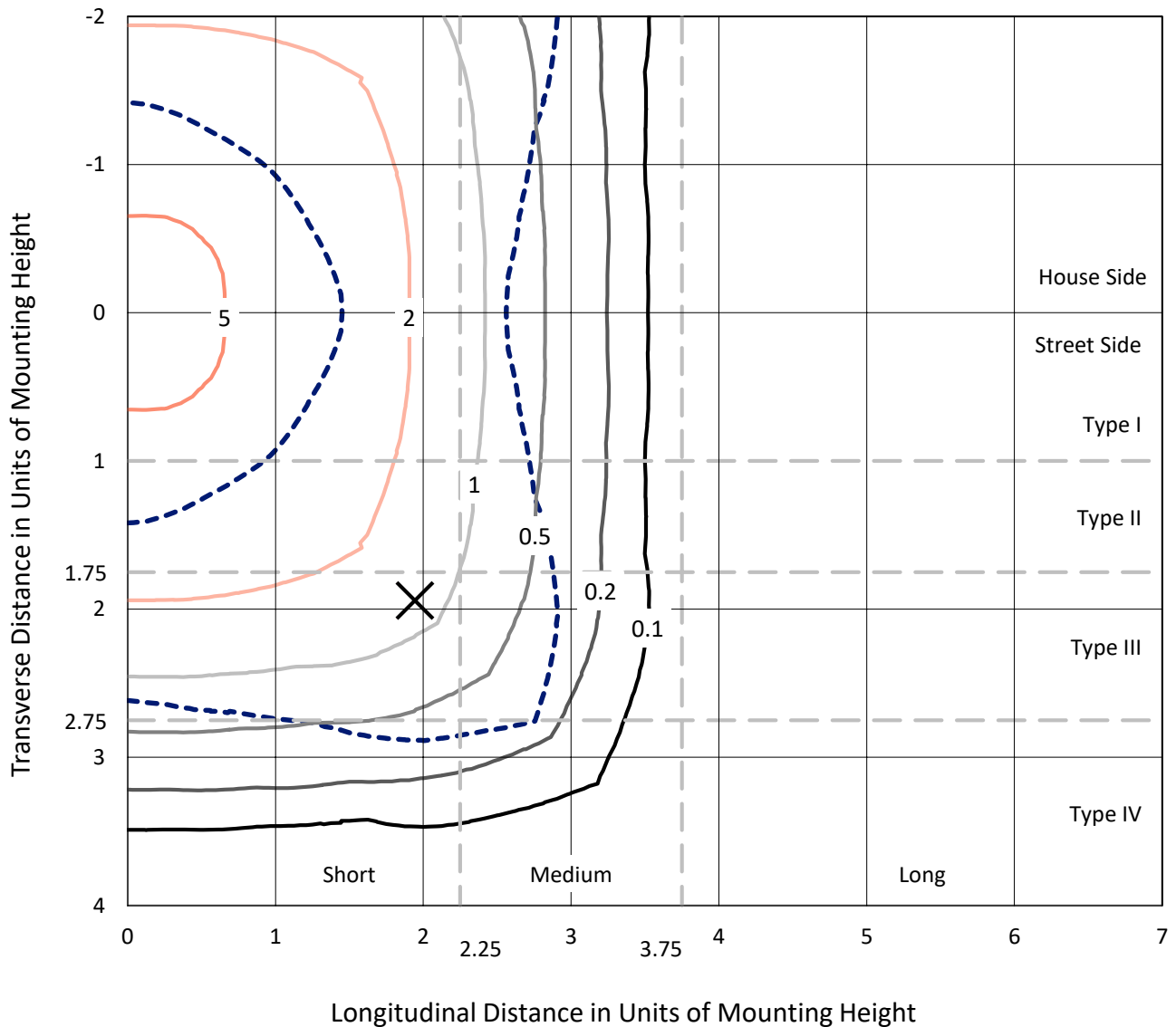
Input Watts (W): 290  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

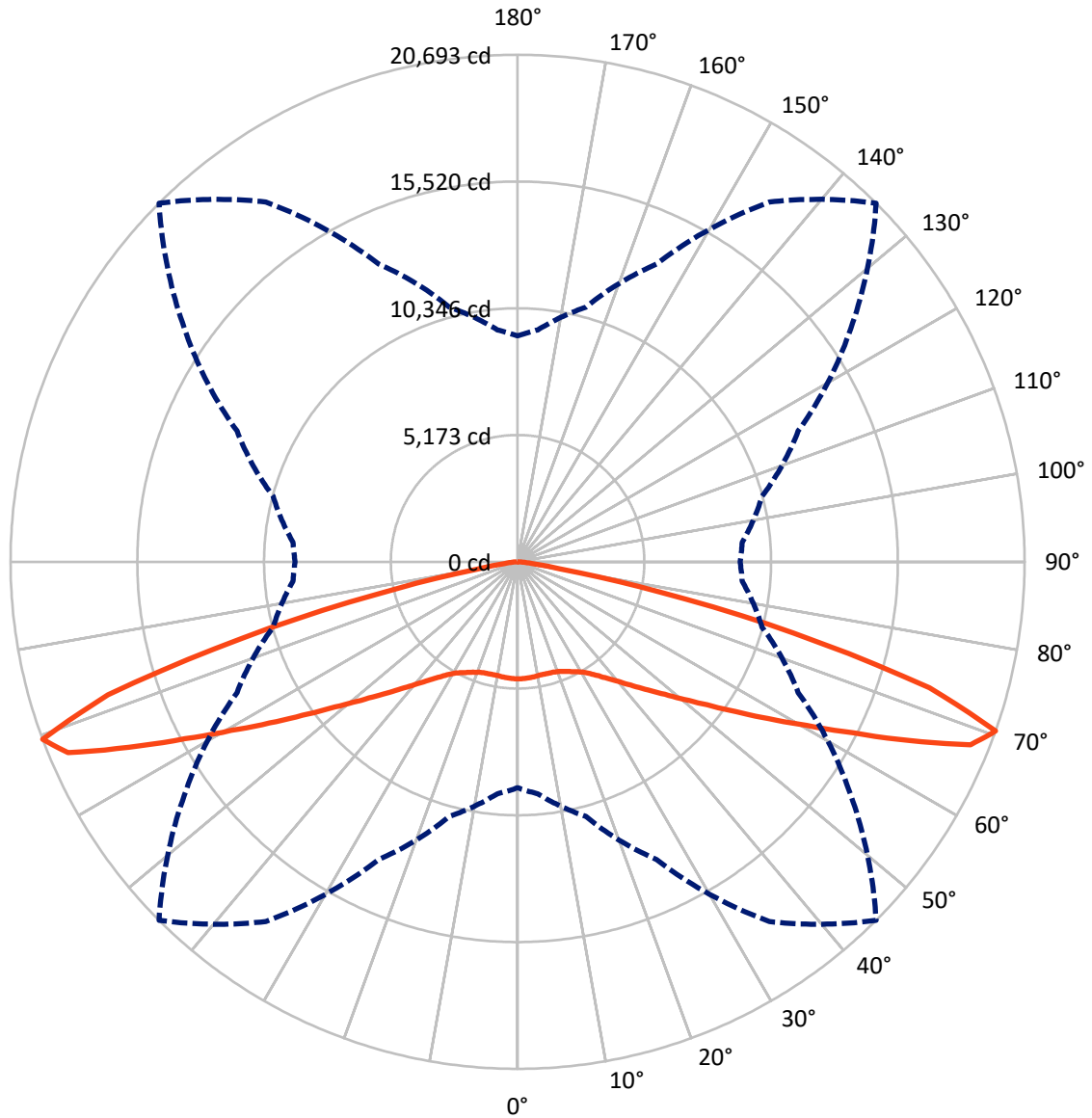
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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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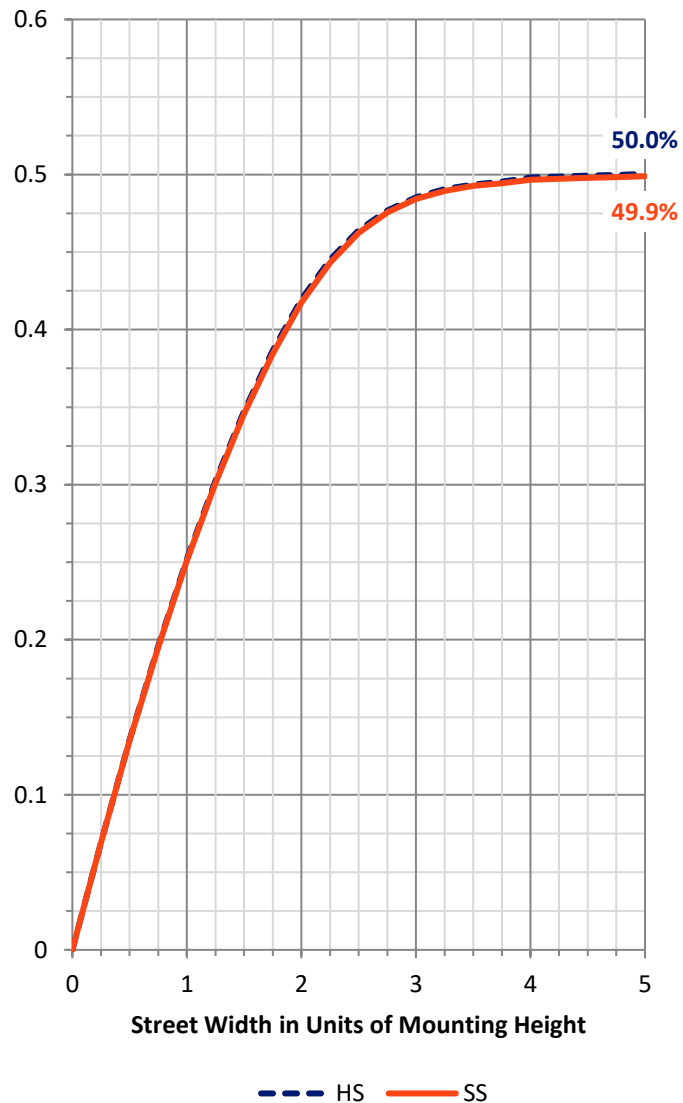
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21883.0	0.0	21883.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21883.0	0.0	21883.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43766.0	0.0	43766.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.7	1.0
10°-20°	1329.0	3.0
20°-30°	2262.5	5.2
30°-40°	3588.2	8.2
40°-50°	5839.1	13.3
50°-60°	9627.7	22.0
60°-70°	14133.8	32.3
70°-80°	6249.9	14.3
80°-90°	283.0	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°	43766.0	100.0
0°-180°	43766.0	100.0

**Coefficient of Utilization**

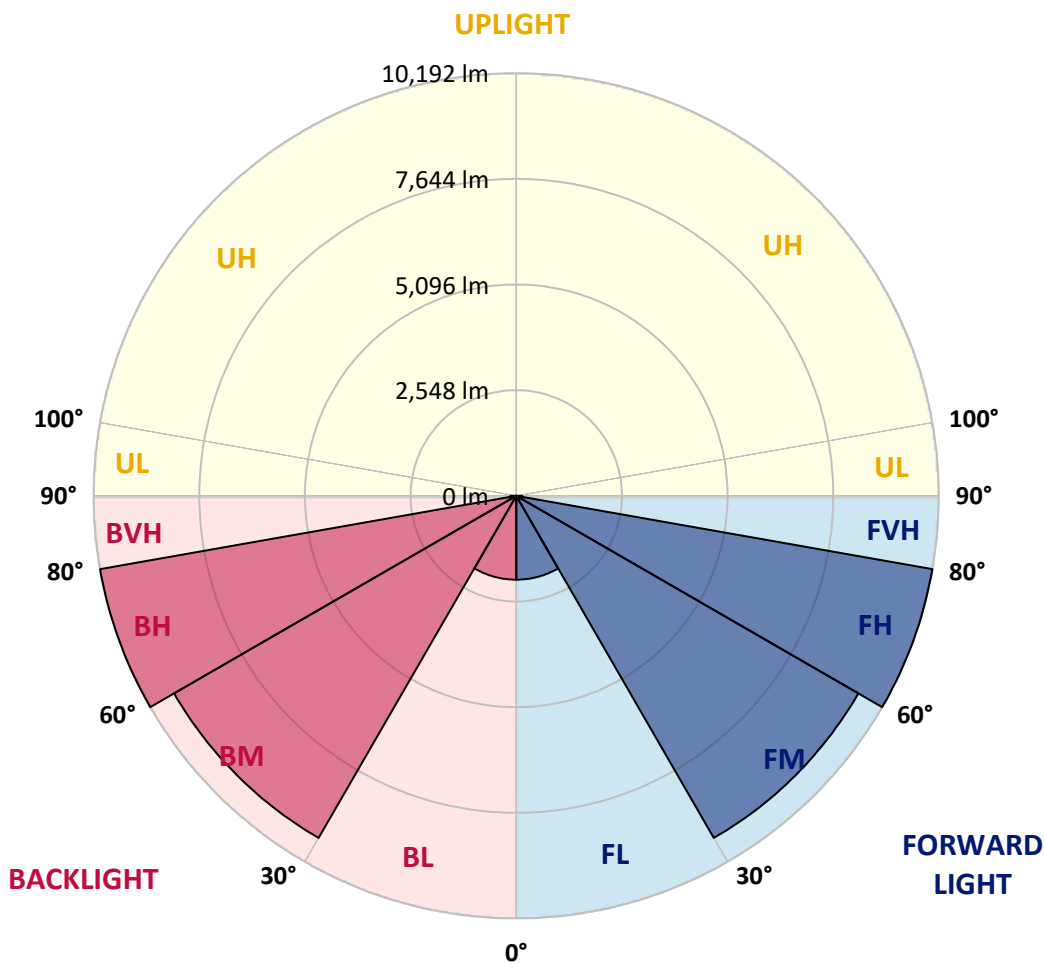


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2022.1	4.6			
FM (30°-60°)	9527.6	21.8			
FH (60°-80°)	10191.8	23.3			G4/12000
FVH (80°-90°)	141.5	0.3			G2/225
BL (0°-30°)	2022.1	4.6	B3/2500		
BM (30°-60°)	9527.6	21.8	B5		
BH (60°-80°)	10191.8	23.3	B5		G4/12000
BVH (80°-90°)	141.5	0.3			G2/225
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°	4779.9	4779.9	4779.9	4779.9	4779.9	4779.9	4779.9	4779.9	4779.9	4779.9	4779.9
2.5°	4772.7	4768.3	4778.5	4777.0	4768.3	4769.8	4769.8	4774.1	4774.1	4771.2	4771.2
5°	4755.3	4752.4	4764.0	4764.0	4755.3	4758.2	4761.1	4765.4	4764.0	4761.1	4759.6
7.5°	4733.6	4732.1	4743.7	4743.7	4737.9	4740.8	4737.9	4739.4	4736.5	4733.6	4729.2
10°	4697.4	4700.3	4710.4	4713.3	4713.3	4714.7	4711.9	4704.6	4700.3	4695.9	4691.6
12.5°	4664.1	4662.6	4677.1	4684.3	4695.9	4709.0	4700.3	4680.0	4671.3	4662.6	4659.7
15°	4642.3	4643.8	4658.3	4671.3	4691.6	4719.1	4709.0	4677.1	4659.7	4649.6	4646.7
17.5°	4638.0	4640.9	4659.7	4682.9	4704.6	4735.0	4729.2	4697.4	4668.4	4649.6	4645.2
20°	4648.1	4649.6	4678.5	4711.9	4749.5	4778.5	4765.4	4730.7	4691.6	4662.6	4655.4
22.5°	4666.9	4672.7	4709.0	4761.1	4819.0	4858.1	4842.2	4782.8	4722.0	4685.8	4675.6
25°	4726.3	4727.8	4777.0	4848.0	4917.5	4962.4	4943.6	4859.6	4781.4	4740.8	4727.8
27.5°	4849.5	4853.8	4903.0	4985.6	5045.0	5074.0	5062.4	4994.3	4927.7	4884.2	4888.6
30°	5027.6	5033.4	5088.5	5179.7	5215.9	5223.2	5220.3	5188.4	5127.6	5069.6	5074.0
32.5°	5244.9	5247.8	5321.7	5404.2	5433.2	5439.0	5433.2	5404.2	5331.8	5253.6	5257.9
35°	5524.4	5533.1	5604.1	5683.8	5706.9	5718.5	5708.4	5670.7	5595.4	5518.6	5515.7
37.5°	5869.2	5870.6	5944.5	6027.1	6056.0	6058.9	6047.3	6022.7	5928.6	5859.0	5854.7
40°	6268.9	6274.7	6361.7	6450.0	6461.6	6448.6	6464.5	6450.0	6353.0	6273.3	6286.3
42.5°	6755.6	6768.7	6873.0	6959.9	6926.6	6919.3	6929.4	6933.8	6855.6	6758.5	6749.8
45°	7322.0	7333.6	7463.9	7533.5	7511.7	7463.9	7484.2	7519.0	7410.3	7290.1	7301.7
47.5°	7968.0	7997.0	8136.0	8201.2	8147.6	8082.4	8121.5	8173.7	8046.2	7897.0	7889.8
50°	8686.4	8722.6	8908.0	8999.3	8945.7	8825.5	8890.7	8925.4	8741.5	8548.8	8532.9
52.5°	9452.7	9488.9	9722.1	9910.4	9875.6	9688.8	9780.0	9743.8	9532.3	9273.1	9252.8
55°	10320.3	10334.8	10586.8	10891.0	10925.8	10788.2	10782.4	10723.0	10410.1	10110.3	10095.8
57.5°	11212.6	11222.7	11548.6	11907.8	12071.5	12071.5	11909.3	11783.2	11367.5	11019.9	10983.7
60°	12175.8	12212.0	12572.7	13060.8	13443.2	13556.2	13269.4	12926.1	12474.2	12049.8	12007.8
62.5°	13033.3	13075.3	13627.1	14354.3	14968.4	15379.8	14678.7	14119.6	13296.9	12616.1	12536.4
65°	13141.9	13254.9	14058.8	15375.4	16750.0	17571.3	16227.1	14849.6	13350.5	12404.6	12323.5
67.5°	12002.0	12193.2	13279.5	15329.1	18169.5	19932.3	17216.4	14432.5	12388.7	11342.9	11253.1
70°	9222.4	9500.5	10753.4	13408.4	17924.7	20692.7	16596.5	12634.9	10329.0	9203.5	9077.5
72.5°	5059.5	5173.9	6300.8	9181.8	14370.2	17584.3	13843.0	9342.6	6849.8	5573.7	5362.2
75°	1604.9	1645.5	2219.0	3757.3	8128.8	11647.1	8793.6	4585.8	2524.7	1861.3	1839.5
77.5°	712.6	717.0	802.4	1096.5	2799.9	5901.0	3363.3	1248.6	860.4	751.8	776.4
80°	450.5	450.5	496.8	543.2	761.9	1713.5	909.6	593.9	507.0	470.8	480.9
82.5°	215.8	239.0	323.0	347.6	418.6	576.5	466.4	388.2	338.9	252.0	234.7
85°	141.9	118.8	204.2	230.3	243.3	276.7	270.9	256.4	221.6	126.0	140.5
87.5°	63.7	60.8	105.7	97.0	91.3	69.5	104.3	128.9	124.6	62.3	62.3
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)