

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: P316833

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316833  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA9A-750-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42974 lumens  
Efficiency: N/A  
Efficacy: 148.2 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

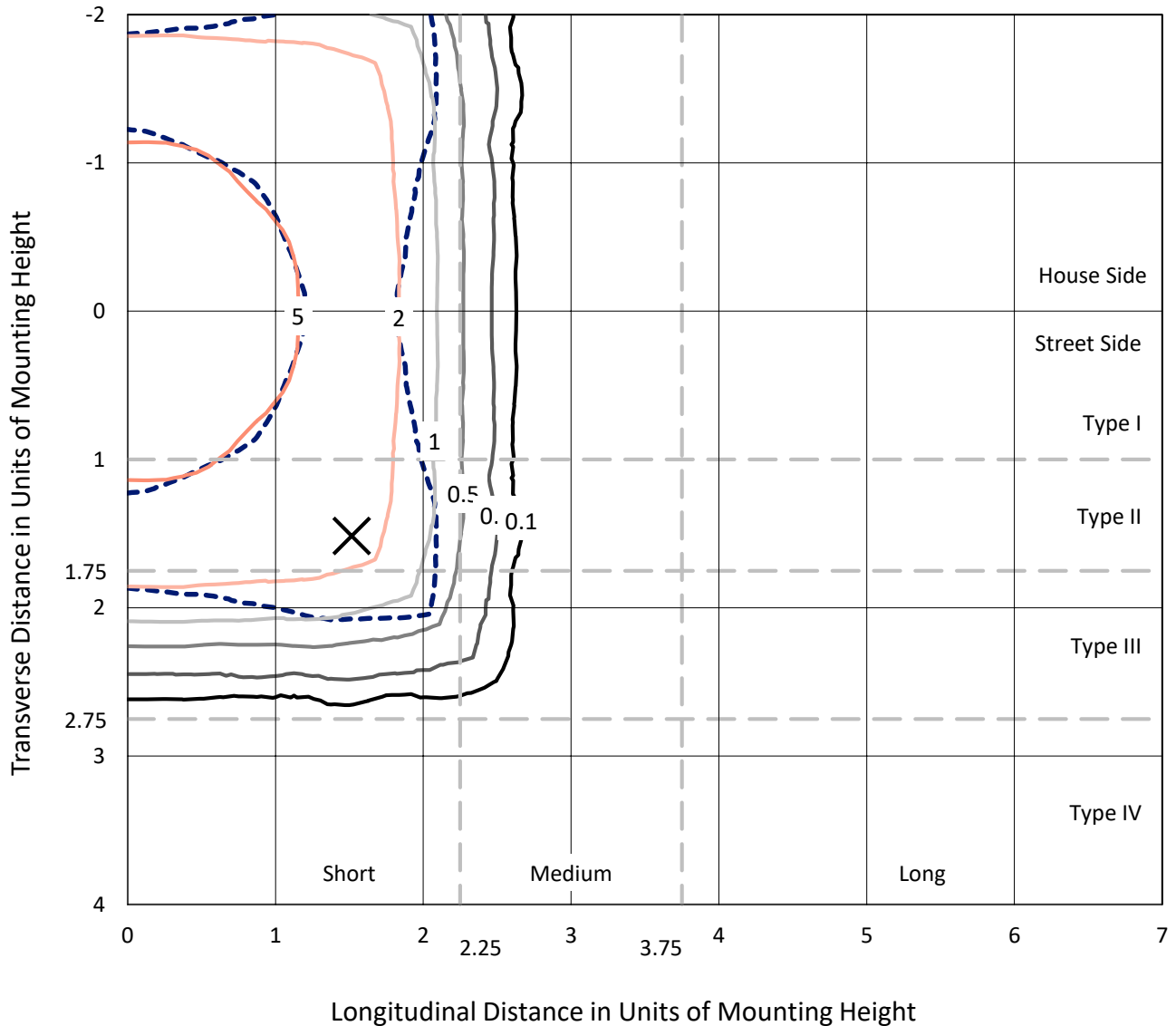
Input Watts (W): 290  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

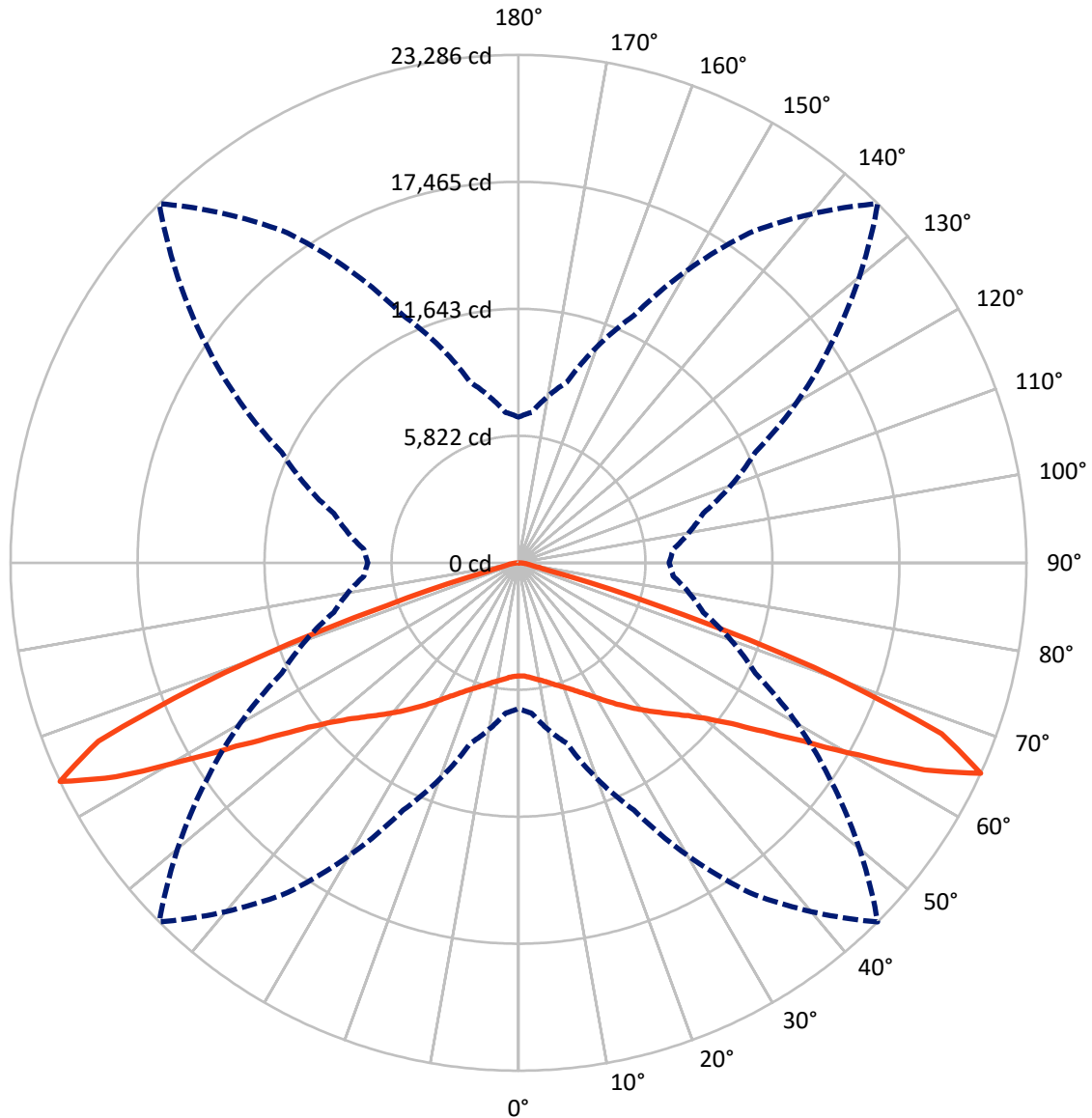
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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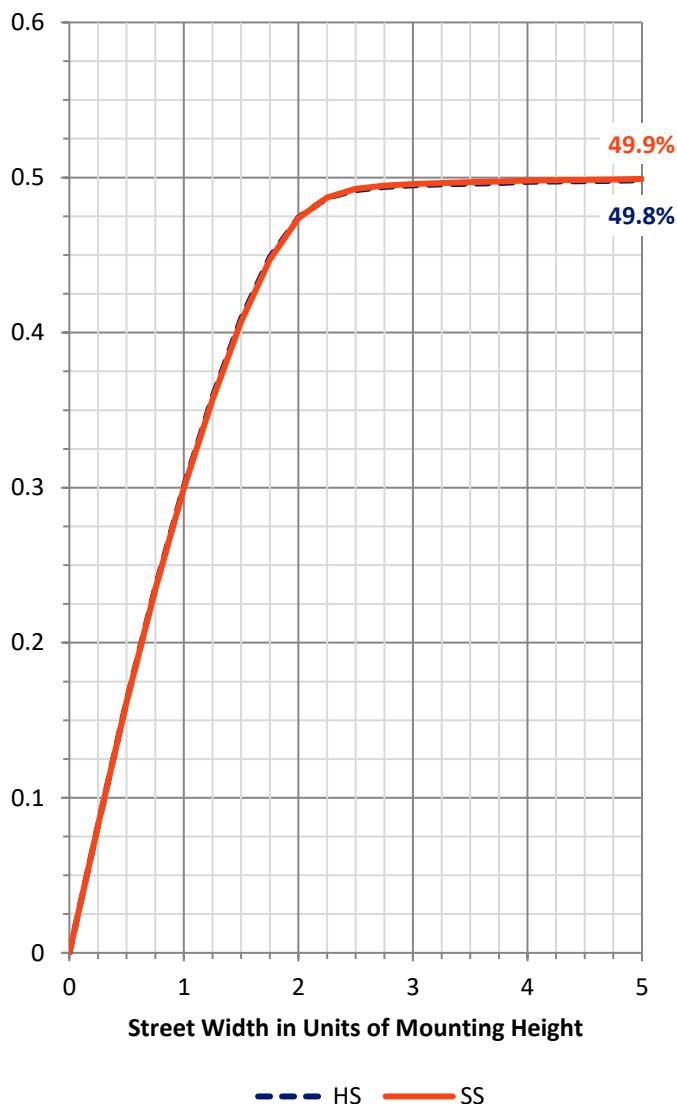
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21487.0	0.0	21487.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21487.0	0.0	21487.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42974.0	0.0	42974.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	509.2	1.2
10°-20°	1636.6	3.8
20°-30°	3070.6	7.1
30°-40°	5078.2	11.8
40°-50°	7865.4	18.3
50°-60°	12063.3	28.1
60°-70°	11256.5	26.2
70°-80°	1310.1	3.0
80°-90°	184.1	0.4
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°	42974.0	100.0
0°-180°	42974.0	100.0

**Coefficient of Utilization**



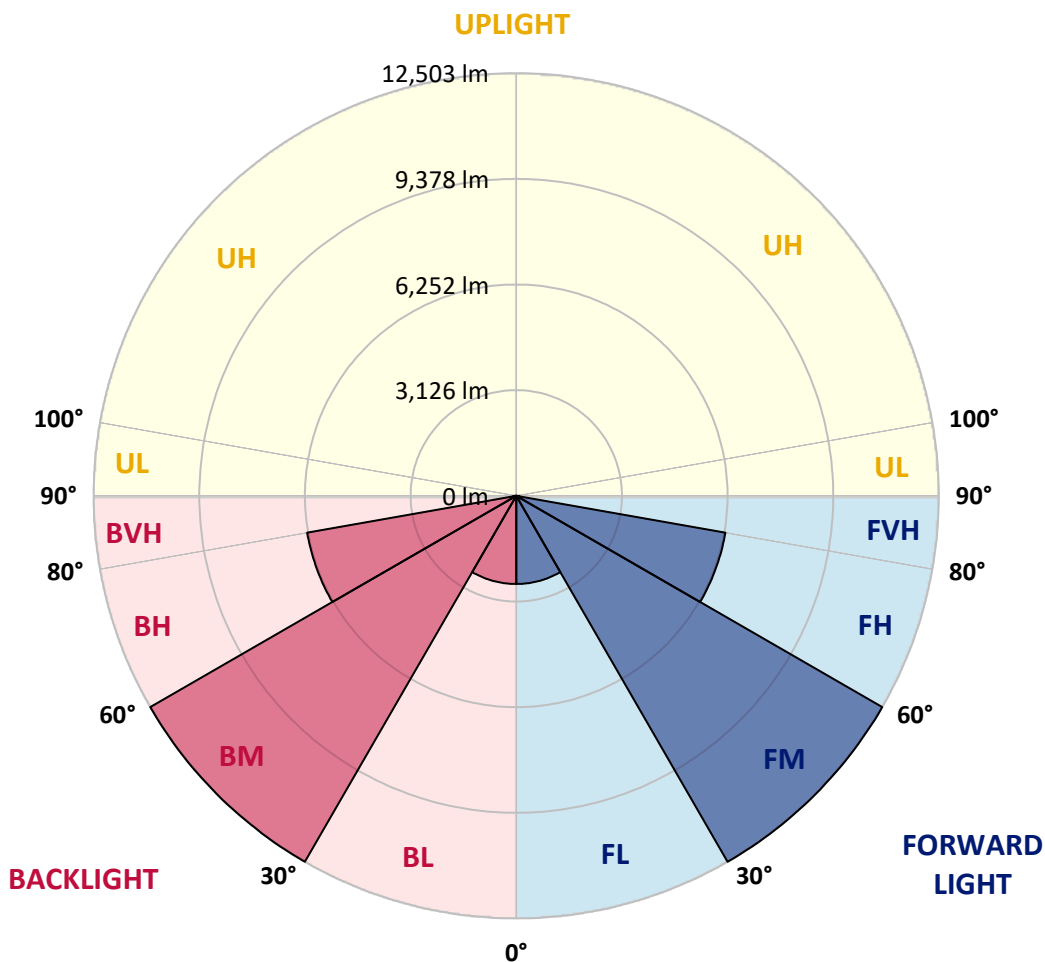
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2608.2	6.1			
FM (30°-60°)	12503.5	29.1			
FH (60°-80°)	6283.3	14.6			G3/7500
FVH (80°-90°)	92.0	0.2			G1/100
BL (0°-30°)	2608.2	6.1	B4/5000		
BM (30°-60°)	12503.5	29.1	B5		
BH (60°-80°)	6283.3	14.6	B5		G3/7500
BVH (80°-90°)	92.0	0.2			G1/100
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°	5189.7	5189.7	5189.7	5189.7	5189.7	5189.7	5189.7	5189.7	5189.7	5189.7	5189.7
2.5°	5206.8	5203.9	5206.8	5208.2	5199.6	5203.9	5202.5	5209.6	5212.5	5209.6	5209.6
5°	5266.7	5262.4	5268.1	5275.2	5263.8	5266.7	5262.4	5271.0	5273.8	5268.1	5272.4
7.5°	5349.4	5350.9	5356.6	5369.4	5362.3	5368.0	5359.4	5360.8	5359.4	5350.9	5352.3
10°	5439.3	5440.7	5450.7	5467.8	5470.7	5470.7	5465.0	5460.7	5455.0	5449.3	5450.7
12.5°	5547.7	5554.8	5562.0	5583.4	5583.4	5594.8	5591.9	5580.5	5570.5	5562.0	5562.0
15°	5694.6	5693.2	5701.8	5723.2	5733.2	5751.7	5751.7	5736.0	5723.2	5714.6	5711.8
17.5°	5848.7	5853.0	5858.7	5884.4	5900.1	5921.5	5924.3	5911.5	5902.9	5891.5	5884.4
20°	6028.4	6035.6	6058.4	6068.4	6082.7	6102.6	6109.8	6106.9	6098.3	6092.6	6094.1
22.5°	6238.1	6256.7	6271.0	6285.2	6302.3	6316.6	6323.7	6333.7	6325.2	6320.9	6318.0
25°	6492.1	6504.9	6533.4	6559.1	6570.5	6574.8	6583.4	6597.6	6596.2	6586.2	6586.2
27.5°	6780.2	6804.5	6840.1	6877.2	6877.2	6863.0	6891.5	6915.7	6907.2	6894.3	6877.2
30°	7129.7	7152.5	7193.9	7245.3	7219.6	7209.6	7248.1	7292.3	7279.5	7258.1	7255.2
32.5°	7506.3	7527.7	7581.9	7637.6	7604.7	7590.5	7631.8	7696.0	7673.2	7630.4	7604.7
35°	7914.3	7935.7	8012.7	8079.8	8024.1	7999.9	8034.1	8104.0	8064.1	7984.2	7964.2
37.5°	8357.9	8369.4	8469.2	8537.7	8499.2	8435.0	8477.8	8529.1	8494.9	8397.9	8359.4
40°	8818.7	8860.1	8975.6	9055.5	8988.5	8887.2	8958.5	9029.8	8978.5	8854.4	8788.7
42.5°	9356.5	9387.9	9541.9	9613.3	9504.9	9362.2	9459.2	9556.2	9504.9	9385.0	9328.0
45°	9915.7	9964.2	10148.2	10219.5	10062.6	9881.5	9999.9	10169.6	10165.3	9992.7	9932.8
47.5°	10524.8	10573.3	10793.0	10887.1	10717.4	10474.9	10641.8	10881.4	10864.3	10674.6	10626.1
50°	11228.1	11279.4	11553.3	11671.7	11513.4	11230.9	11482.0	11693.1	11661.7	11427.8	11432.1
52.5°	12111.1	12108.2	12449.2	12654.6	12492.0	12242.3	12473.4	12678.8	12549.0	12225.2	12215.2
55°	12884.3	12931.3	13353.6	13743.0	13733.0	13637.5	13730.2	13738.7	13367.9	12937.0	12884.3
57.5°	13392.1	13482.0	14076.8	14781.5	15309.3	15436.3	15256.6	14711.6	13842.9	13153.9	13069.7
60°	13079.7	13216.6	14151.0	15587.5	17142.4	17888.5	16874.2	15183.8	13473.4	12513.4	12399.3
62.5°	10971.3	11202.4	12570.4	15198.1	18720.1	20901.3	18046.8	14426.3	12004.1	10681.7	10486.3
65°	6681.8	6925.7	8574.8	12509.1	18464.8	23286.4	17511.9	11974.2	8761.6	7116.9	6905.7
67.5°	2226.8	2298.1	3269.6	6914.3	14511.9	20922.7	14536.2	7168.2	3813.1	2527.8	2453.6
70°	871.6	878.7	1037.1	2004.3	6853.0	14370.7	7561.9	2039.9	1084.1	857.3	875.9
72.5°	640.5	643.4	687.6	837.4	1786.0	6330.9	1850.2	841.6	669.0	600.6	600.6
75°	515.0	515.0	546.4	610.5	800.3	1452.2	811.7	603.4	523.5	479.3	473.6
77.5°	406.6	415.1	439.4	480.7	542.1	699.0	562.0	477.9	422.2	380.9	372.3
80°	302.4	311.0	350.9	370.9	389.4	485.0	415.1	373.7	333.8	285.3	276.7
82.5°	198.3	206.8	256.8	268.2	263.9	316.7	279.6	275.3	245.4	184.0	175.5
85°	129.8	132.7	171.2	178.3	164.0	144.1	178.3	188.3	171.2	119.8	115.5
87.5°	61.3	61.3	87.0	81.3	74.2	59.9	81.3	95.6	97.0	58.5	57.1
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)