

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: P316514

Luminaire Tested: **GAN-SA0A-750-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316514  
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-SA0A-750-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 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: 48456 lumens  
Efficiency: N/A  
Efficacy: 150.0 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

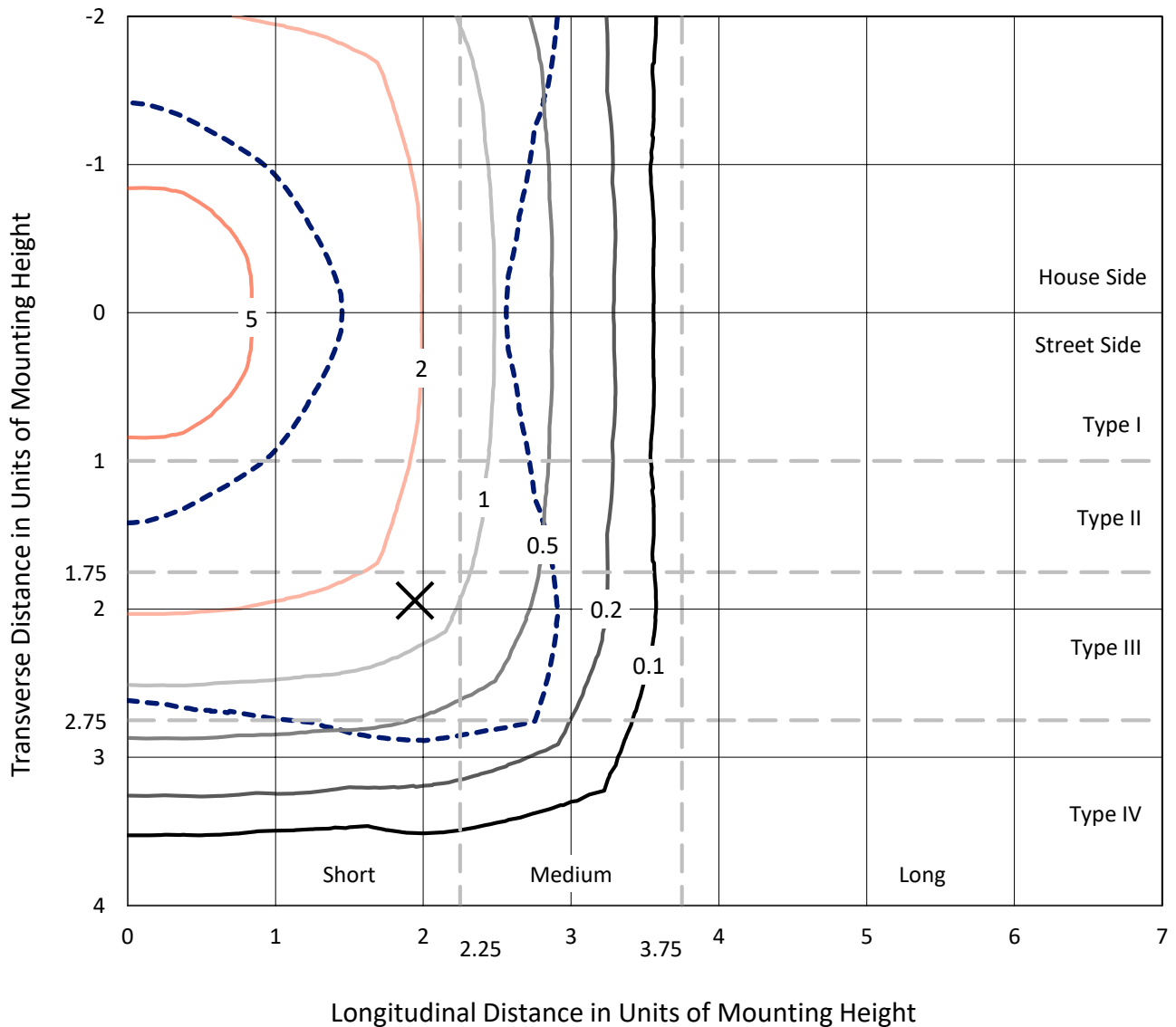
Input Watts (W): 323  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

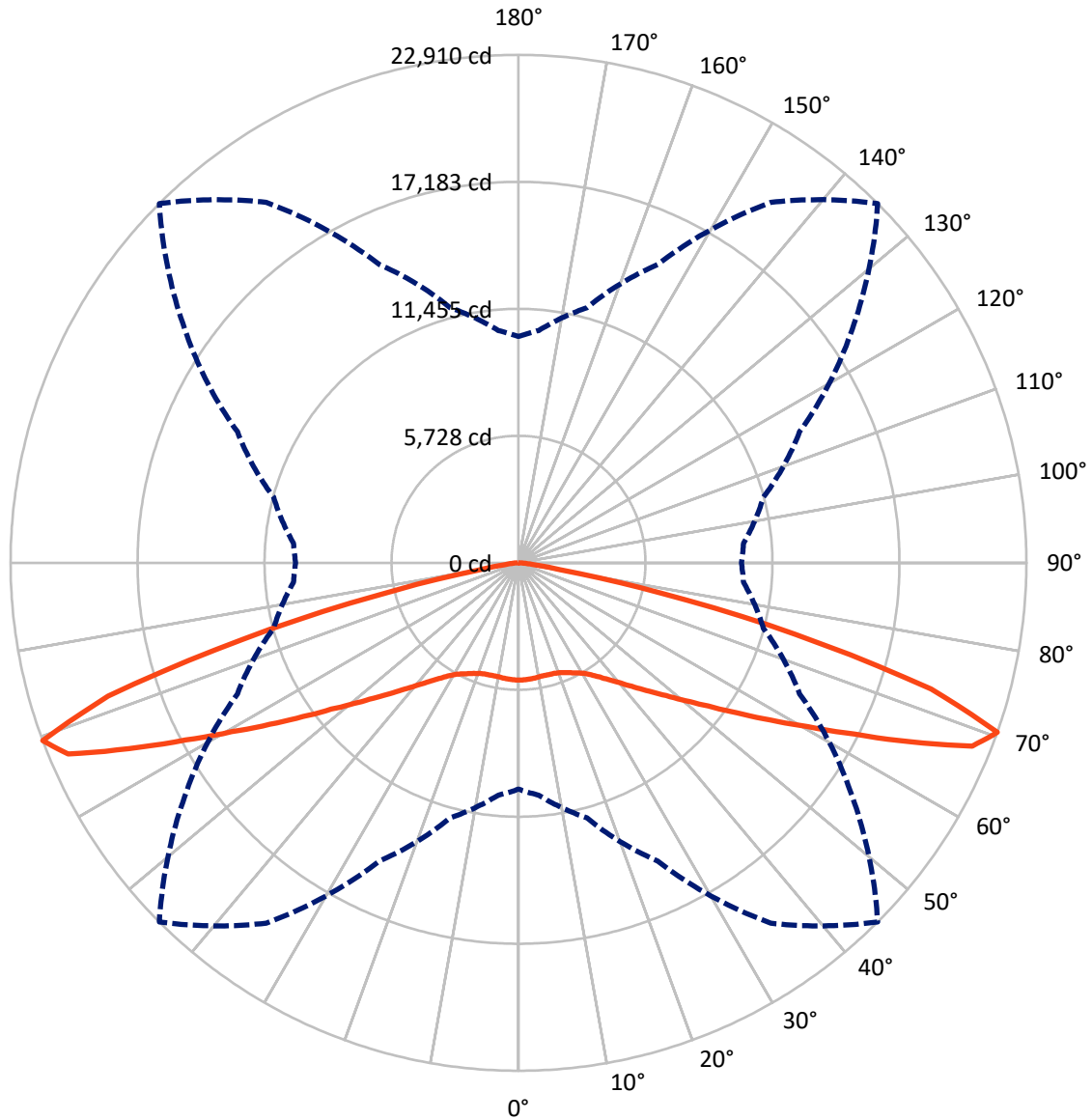
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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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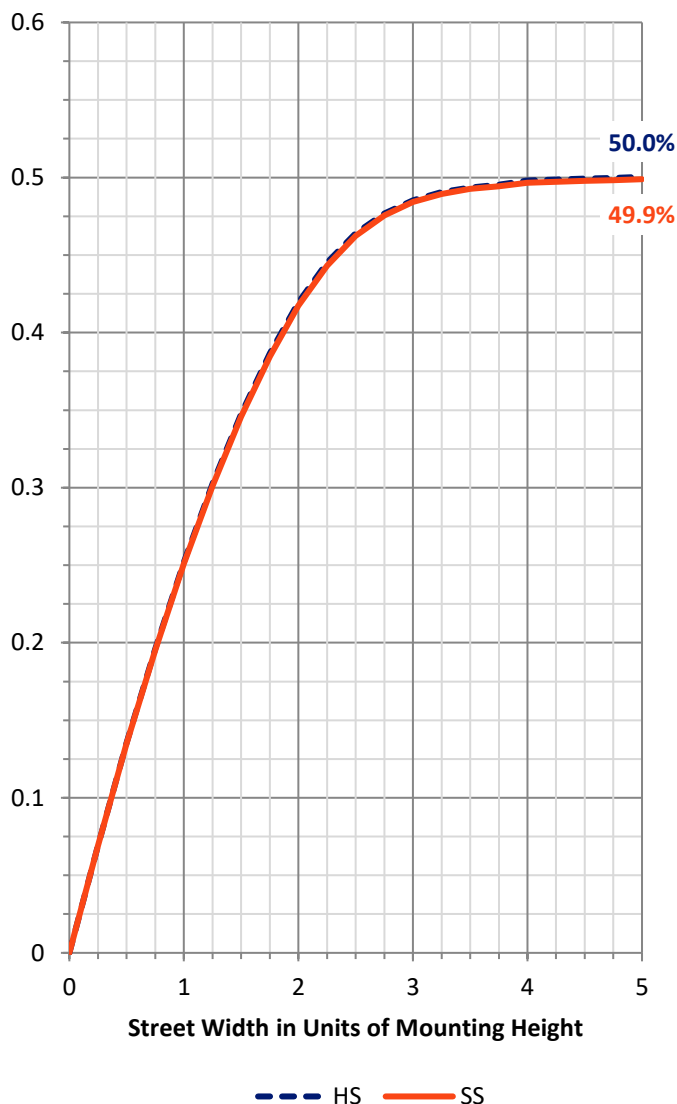
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	24228.0	0.0	24228.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24228.0	0.0	24228.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	48456.0	0.0	48456.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	501.2	1.0
10°-20°	1471.5	3.0
20°-30°	2504.9	5.2
30°-40°	3972.7	8.2
40°-50°	6464.9	13.3
50°-60°	10659.4	22.0
60°-70°	15648.3	32.3
70°-80°	6919.7	14.3
80°-90°	313.4	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°	48456.0	100.0
0°-180°	48456.0	100.0

**Coefficient of Utilization**

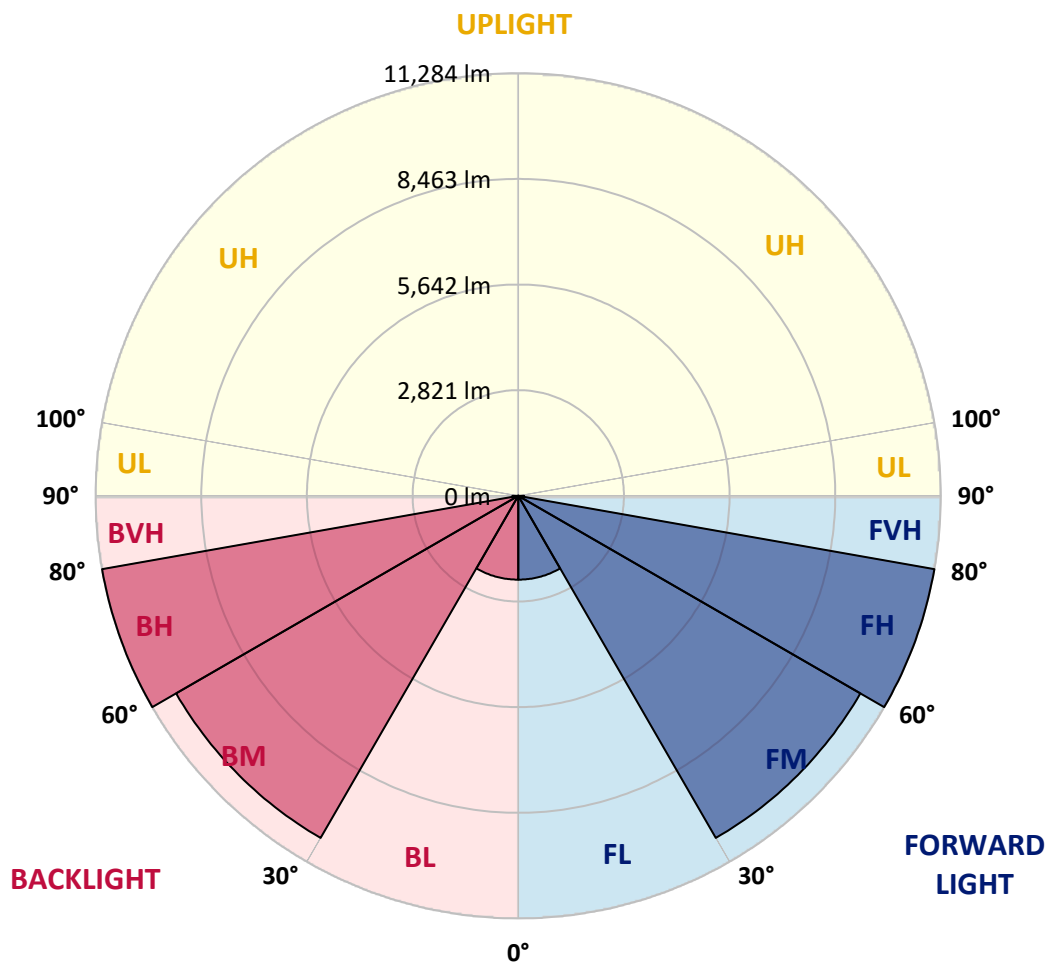


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2238.8	4.6			
FM (30°-60°)	10548.5	21.8			
FH (60°-80°)	11284.0	23.3			G4/12000
FVH (80°-90°)	156.7	0.3			G2/225
BL (0°-30°)	2238.8	4.6	B3/2500		
BM (30°-60°)	10548.5	21.8	B5		
BH (60°-80°)	11284.0	23.3	B5		G4/12000
BVH (80°-90°)	156.7	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°	5292.1	5292.1	5292.1	5292.1	5292.1	5292.1	5292.1	5292.1	5292.1	5292.1	5292.1
2.5°	5284.1	5279.3	5290.5	5288.9	5279.3	5280.9	5280.9	5285.7	5285.7	5282.5	5282.5
5°	5264.9	5261.7	5274.5	5274.5	5264.9	5268.1	5271.3	5276.1	5274.5	5271.3	5269.7
7.5°	5240.8	5239.2	5252.1	5252.1	5245.6	5248.8	5245.6	5247.2	5244.0	5240.8	5236.0
10°	5200.7	5203.9	5215.2	5218.4	5218.4	5220.0	5216.8	5208.8	5203.9	5199.1	5194.3
12.5°	5163.9	5162.3	5178.3	5186.3	5199.1	5213.6	5203.9	5181.5	5171.9	5162.3	5159.0
15°	5139.8	5141.4	5157.4	5171.9	5194.3	5224.8	5213.6	5178.3	5159.0	5147.8	5144.6
17.5°	5135.0	5138.2	5159.0	5184.7	5208.8	5242.4	5236.0	5200.7	5168.7	5147.8	5143.0
20°	5146.2	5147.8	5179.9	5216.8	5258.5	5290.5	5276.1	5237.6	5194.3	5162.3	5154.2
22.5°	5167.1	5173.5	5213.6	5271.3	5335.4	5378.7	5361.1	5295.4	5228.0	5187.9	5176.7
25°	5232.8	5234.4	5288.9	5367.5	5444.5	5494.2	5473.4	5380.4	5293.8	5248.8	5234.4
27.5°	5369.1	5373.9	5428.5	5519.9	5585.6	5617.7	5604.9	5529.5	5455.7	5407.6	5412.4
30°	5566.4	5572.8	5633.7	5734.8	5774.9	5782.9	5779.7	5744.4	5677.0	5612.9	5617.7
32.5°	5806.9	5810.1	5891.9	5983.3	6015.4	6021.8	6015.4	5983.3	5903.2	5816.6	5821.4
35°	6116.4	6126.1	6204.6	6292.8	6318.5	6331.3	6320.1	6278.4	6195.0	6110.0	6106.8
37.5°	6498.1	6499.7	6581.5	6672.9	6705.0	6708.2	6695.4	6668.1	6563.9	6486.9	6482.1
40°	6940.7	6947.1	7043.4	7141.2	7154.0	7139.6	7157.2	7141.2	7033.7	6945.5	6960.0
42.5°	7479.6	7494.0	7609.5	7705.7	7668.8	7660.8	7672.0	7676.8	7590.2	7482.8	7473.2
45°	8106.6	8119.4	8263.8	8340.7	8316.7	8263.8	8286.2	8324.7	8204.4	8071.3	8084.2
47.5°	8821.9	8853.9	9007.9	9080.0	9020.7	8948.5	8991.8	9049.6	8908.5	8743.3	8735.3
50°	9617.3	9657.4	9862.6	9963.7	9904.3	9771.2	9843.4	9881.9	9678.2	9464.9	9447.3
52.5°	10465.6	10505.7	10763.9	10972.4	10933.9	10727.0	10828.1	10788.0	10553.8	10266.8	10244.3
55°	11426.2	11442.3	11721.3	12058.1	12096.6	11944.2	11937.8	11872.1	11525.7	11193.7	11177.7
57.5°	12414.1	12425.3	12786.2	13183.9	13365.1	13365.1	13185.5	13045.9	12585.7	12200.8	12160.7
60°	13480.5	13520.6	13920.0	14460.4	14883.8	15008.9	14691.3	14311.3	13810.9	13341.0	13294.5
62.5°	14429.9	14476.4	15087.4	15892.5	16572.4	17027.9	16251.7	15632.7	14721.8	13968.1	13879.9
65°	14550.2	14675.3	15565.3	17023.1	18545.0	19454.3	17966.0	16440.9	14781.1	13733.9	13644.1
67.5°	13288.1	13499.8	14702.6	16971.8	20116.6	22068.3	19061.4	15979.1	13716.3	12558.4	12459.0
70°	10210.6	10518.5	11905.7	14845.3	19845.6	22910.2	18375.0	13988.9	11435.9	10189.8	10050.3
72.5°	5601.7	5728.4	6976.0	10165.7	15910.1	19468.7	15326.4	10343.7	7583.8	6171.0	5936.8
75°	1776.9	1821.8	2456.8	4160.0	8999.9	12895.2	9736.0	5077.3	2795.2	2060.7	2036.7
77.5°	789.0	793.8	888.4	1214.0	3099.9	6533.4	3723.7	1382.4	952.6	832.3	859.6
80°	498.7	498.7	550.1	601.4	843.5	1897.2	1007.1	657.5	561.3	521.2	532.4
82.5°	238.9	264.6	357.6	384.9	463.5	638.3	516.4	429.8	375.3	279.0	259.8
85°	157.2	131.5	226.1	255.0	269.4	306.3	299.9	283.9	245.4	139.5	155.6
87.5°	70.6	67.4	117.1	107.4	101.0	77.0	115.5	142.7	137.9	69.0	69.0
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)