

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: P316172

Luminaire Tested: **GAN-SA8C-740-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316172  
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-SA8C-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 59708 lumens  
Efficiency: N/A  
Efficacy: 134.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

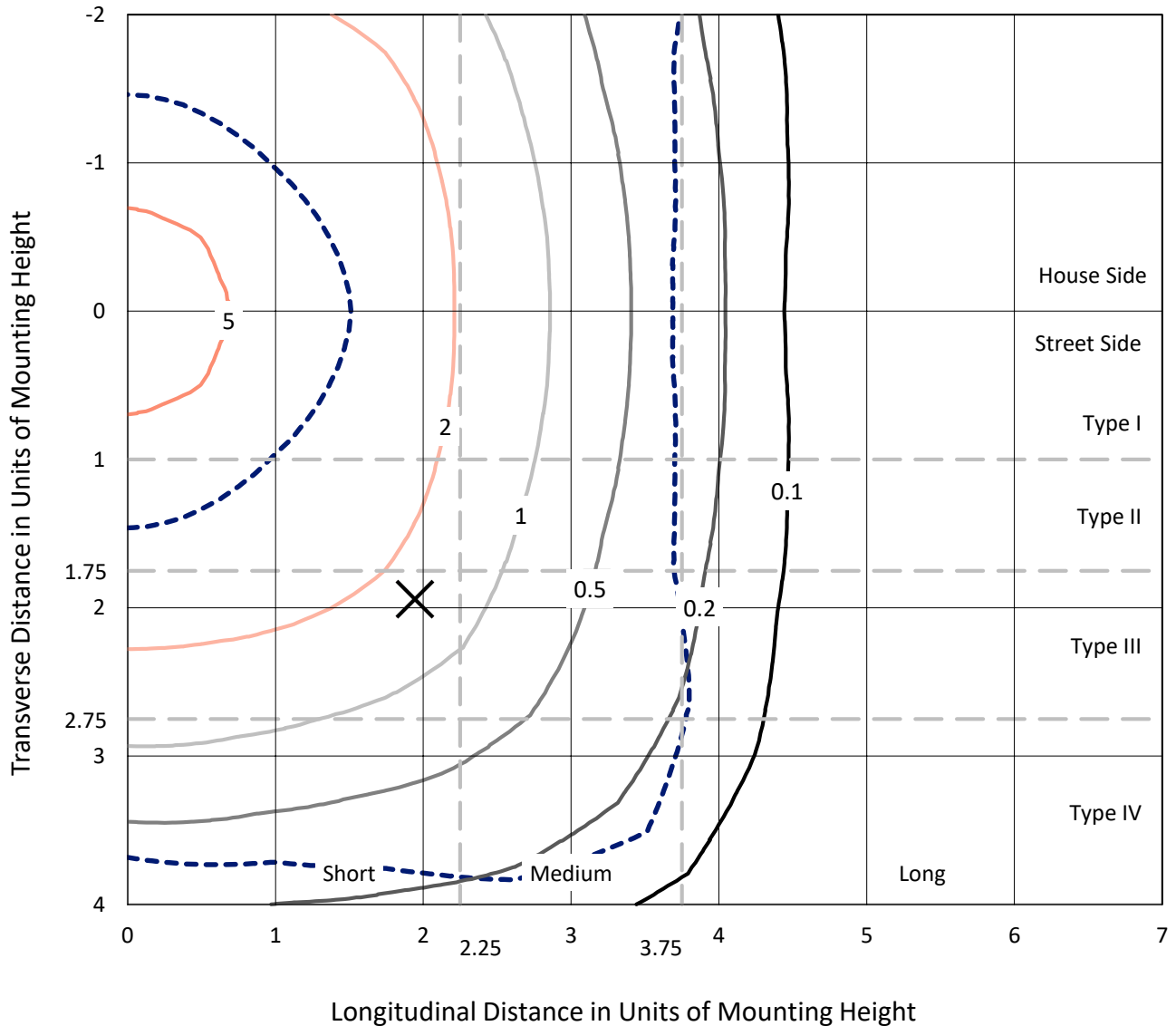
Input Watts (W): 445  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

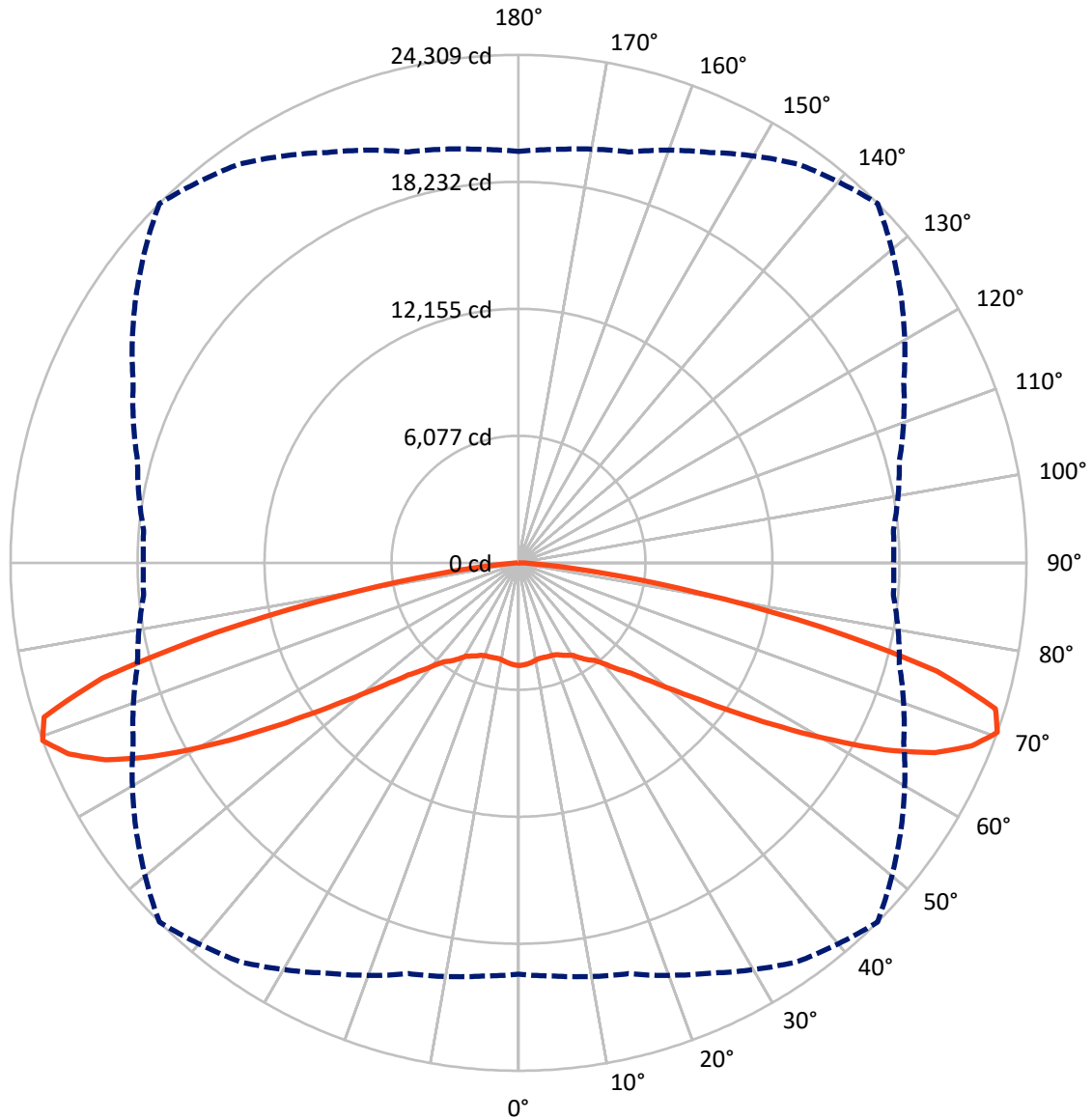
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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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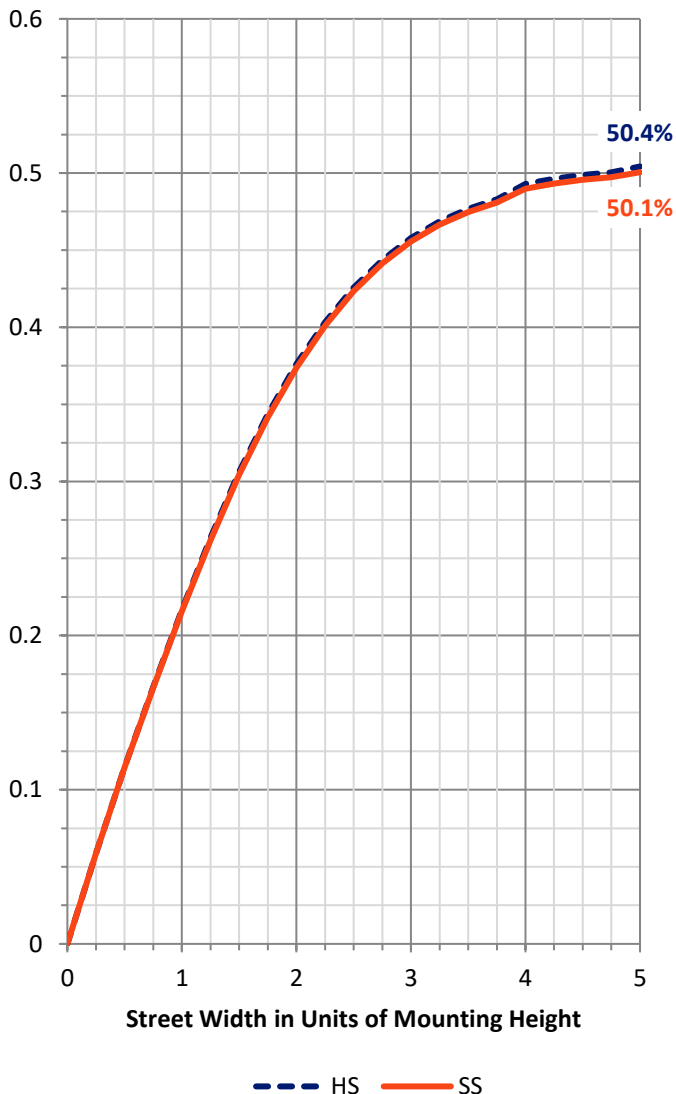
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	29854.0	0.0	29854.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29854.0	0.0	29854.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	59708.0	0.0	59708.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	458.6	0.8
10°-20°	1339.7	2.2
20°-30°	2284.1	3.8
30°-40°	3569.0	6.0
40°-50°	6048.7	10.1
50°-60°	11030.3	18.5
60°-70°	18989.3	31.8
70°-80°	14884.5	24.9
80°-90°	1103.7	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°	59708.0	100.0
0°-180°	59708.0	100.0

**Coefficient of Utilization**

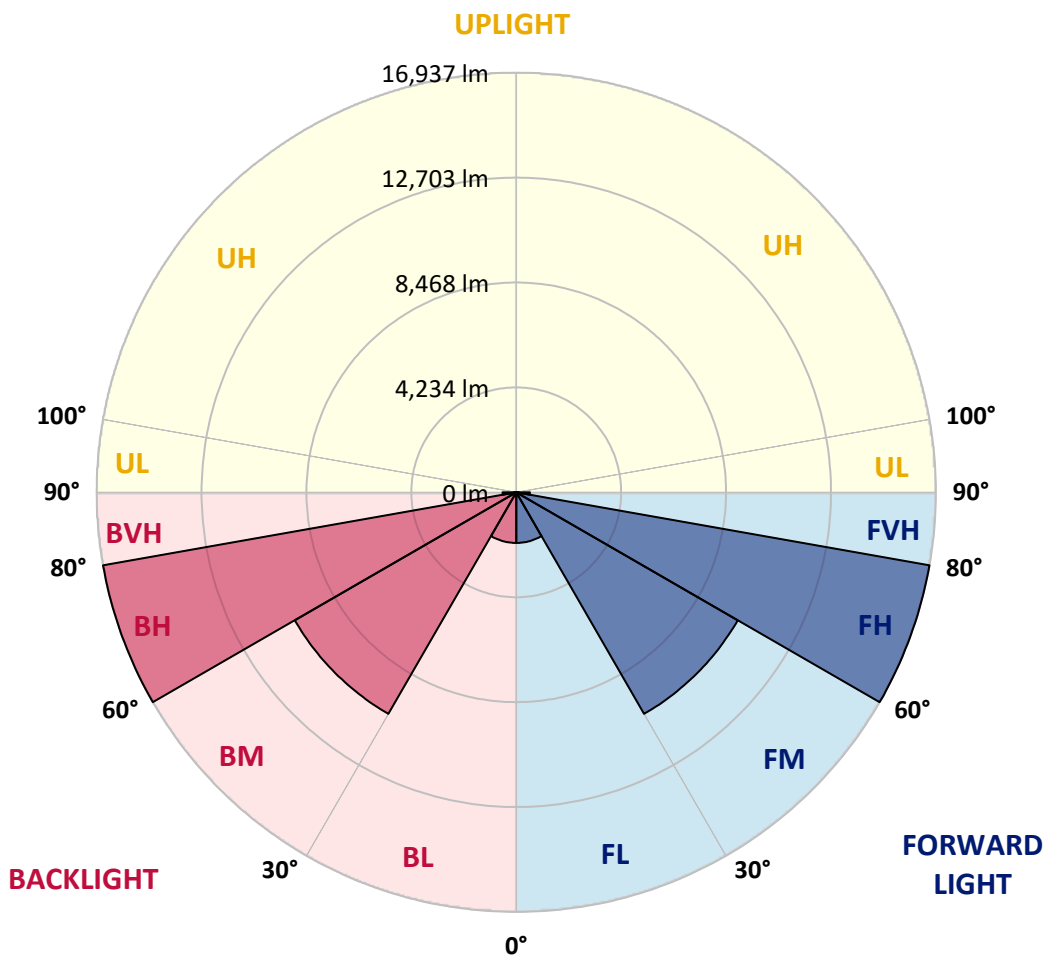


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2041.2	3.4			
FM (30°-60°)	10324.0	17.3			
FH (60°-80°)	16936.9	28.4			G5
FVH (80°-90°)	551.8	0.9			G4/750
BL (0°-30°)	2041.2	3.4	B3/2500		
BM (30°-60°)	10324.0	17.3	B5		
BH (60°-80°)	16936.9	28.4	B5		G5
BVH (80°-90°)	551.8	0.9			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4914.0	4914.0	4914.0	4914.0	4914.0	4914.0	4914.0	4914.0	4914.0	4914.0	4914.0
2.5°	4892.3	4898.2	4892.3	4896.2	4886.3	4890.3	4890.3	4890.3	4888.3	4890.3	4886.3
5°	4848.8	4852.7	4844.8	4848.8	4842.9	4848.8	4850.8	4848.8	4844.8	4846.8	4838.9
7.5°	4783.6	4787.6	4781.6	4787.6	4779.7	4789.5	4787.6	4781.6	4775.7	4775.7	4767.8
10°	4748.1	4750.0	4734.2	4728.3	4710.5	4714.5	4720.4	4726.3	4732.3	4744.1	4742.1
12.5°	4750.0	4750.0	4726.3	4700.7	4675.0	4680.9	4690.8	4712.5	4736.2	4757.9	4759.9
15°	4769.8	4767.8	4732.3	4690.8	4673.0	4690.8	4696.7	4710.5	4748.1	4785.6	4787.6
17.5°	4783.6	4783.6	4728.3	4680.9	4678.9	4706.6	4704.6	4710.5	4752.0	4807.3	4809.3
20°	4809.3	4809.3	4738.2	4686.8	4686.8	4716.5	4718.4	4728.3	4769.8	4831.0	4840.9
22.5°	4866.6	4868.5	4793.5	4752.0	4756.0	4773.7	4779.7	4795.5	4833.0	4900.2	4912.0
25°	4947.6	4951.5	4874.5	4850.8	4864.6	4898.2	4894.2	4906.1	4947.6	5012.7	5024.6
27.5°	5060.1	5050.3	4979.2	4969.3	4983.1	5006.8	5004.8	5006.8	5040.4	5099.6	5113.5
30°	5206.3	5202.3	5151.0	5156.9	5151.0	5143.1	5145.1	5160.9	5178.6	5226.0	5239.9
32.5°	5348.5	5352.4	5320.8	5350.5	5393.9	5423.5	5378.1	5334.7	5314.9	5340.6	5352.4
35°	5605.3	5615.1	5565.8	5546.0	5605.3	5692.2	5563.8	5492.7	5532.2	5565.8	5575.6
37.5°	6041.7	6047.7	5964.7	5885.7	5842.3	5925.2	5796.8	5802.8	5941.0	6004.2	6002.2
40°	6539.5	6541.4	6486.1	6417.0	6342.0	6361.7	6310.4	6326.2	6417.0	6474.3	6490.1
42.5°	7132.0	7126.1	7039.2	6940.4	6918.7	6938.4	6851.5	6839.7	6944.3	7047.1	7049.0
45°	7900.3	7886.5	7773.9	7665.3	7560.6	7517.1	7495.4	7552.7	7696.9	7791.7	7793.6
47.5°	8727.8	8690.3	8631.1	8544.2	8453.3	8409.9	8374.3	8402.0	8506.6	8544.2	8548.1
50°	9579.1	9587.0	9598.8	9565.3	9531.7	9517.9	9425.0	9371.7	9403.3	9334.2	9324.3
52.5°	10588.4	10604.2	10718.7	10815.5	10872.8	10902.4	10726.6	10542.9	10440.2	10305.9	10266.4
55°	11779.3	11805.0	11972.9	12241.5	12518.0	12664.2	12346.2	12002.5	11684.5	11433.7	11352.7
57.5°	13106.6	13152.0	13383.1	13898.6	14465.4	14811.1	14273.8	13649.7	13035.5	12674.0	12610.8
60°	14662.9	14706.4	15026.3	15765.0	16683.4	17202.9	16389.1	15368.0	14603.7	14258.0	14141.5
62.5°	16515.5	16519.5	16912.5	17775.6	18988.3	19711.2	18609.1	17244.3	16456.3	16039.6	15927.0
65°	18508.4	18518.3	18925.1	19857.4	21111.5	21897.6	20653.3	19231.3	18267.4	17653.2	17566.3
67.5°	19916.6	19958.1	20386.7	21508.5	22681.7	23390.8	22103.0	20495.3	19381.4	18648.6	18575.5
70°	19691.5	19853.4	20357.1	21666.5	23297.9	24309.2	22338.1	20345.2	18875.8	18010.7	17949.4
72.5°	17173.2	17483.3	18154.9	19873.2	22482.2	23874.7	21056.2	18222.0	16559.0	15822.3	15711.7
75°	11694.4	12198.0	13211.2	15690.0	19207.6	20671.1	17726.3	14528.6	12964.4	11945.2	11870.2
77.5°	5214.2	5328.7	6612.5	9466.5	13254.7	14844.6	12879.4	9504.0	7134.0	5690.2	5386.0
80°	1453.7	1471.4	1963.2	3525.5	6634.3	8721.9	7122.1	3703.3	2081.7	1467.5	1382.5
82.5°	462.2	501.7	612.3	914.5	2229.9	3979.8	2289.1	987.5	703.1	560.9	505.6
85°	225.2	223.2	310.1	371.3	568.8	880.9	606.3	458.2	400.9	266.6	241.0
87.5°	94.8	96.8	144.2	130.4	165.9	142.2	195.5	205.4	215.3	118.5	102.7
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)