

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: P316442

Luminaire Tested: **GAN-SA8B-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316442  
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-SA8B-730-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43816 lumens  
Efficiency: N/A  
Efficacy: 131.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

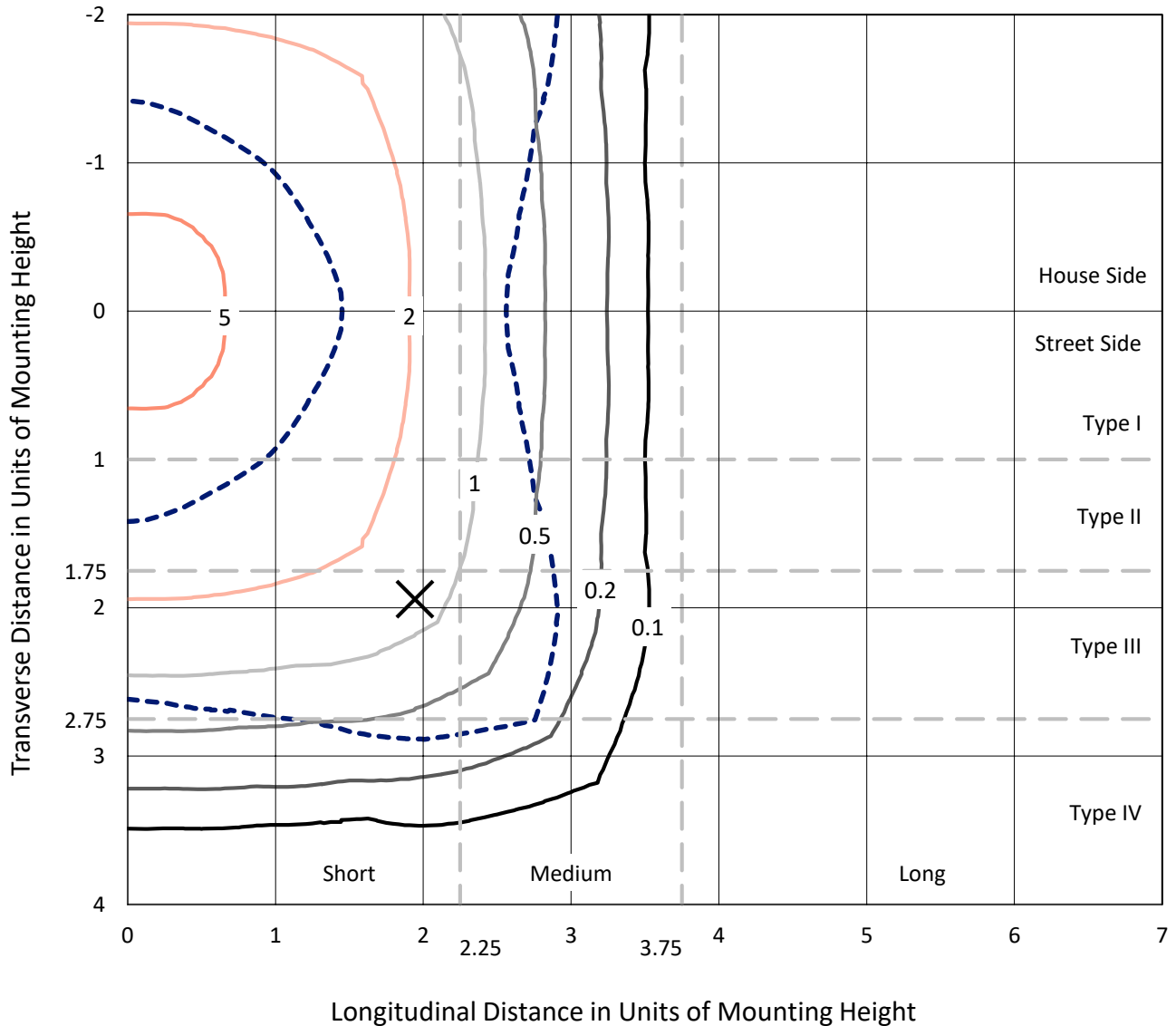
Input Watts (W): 334  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

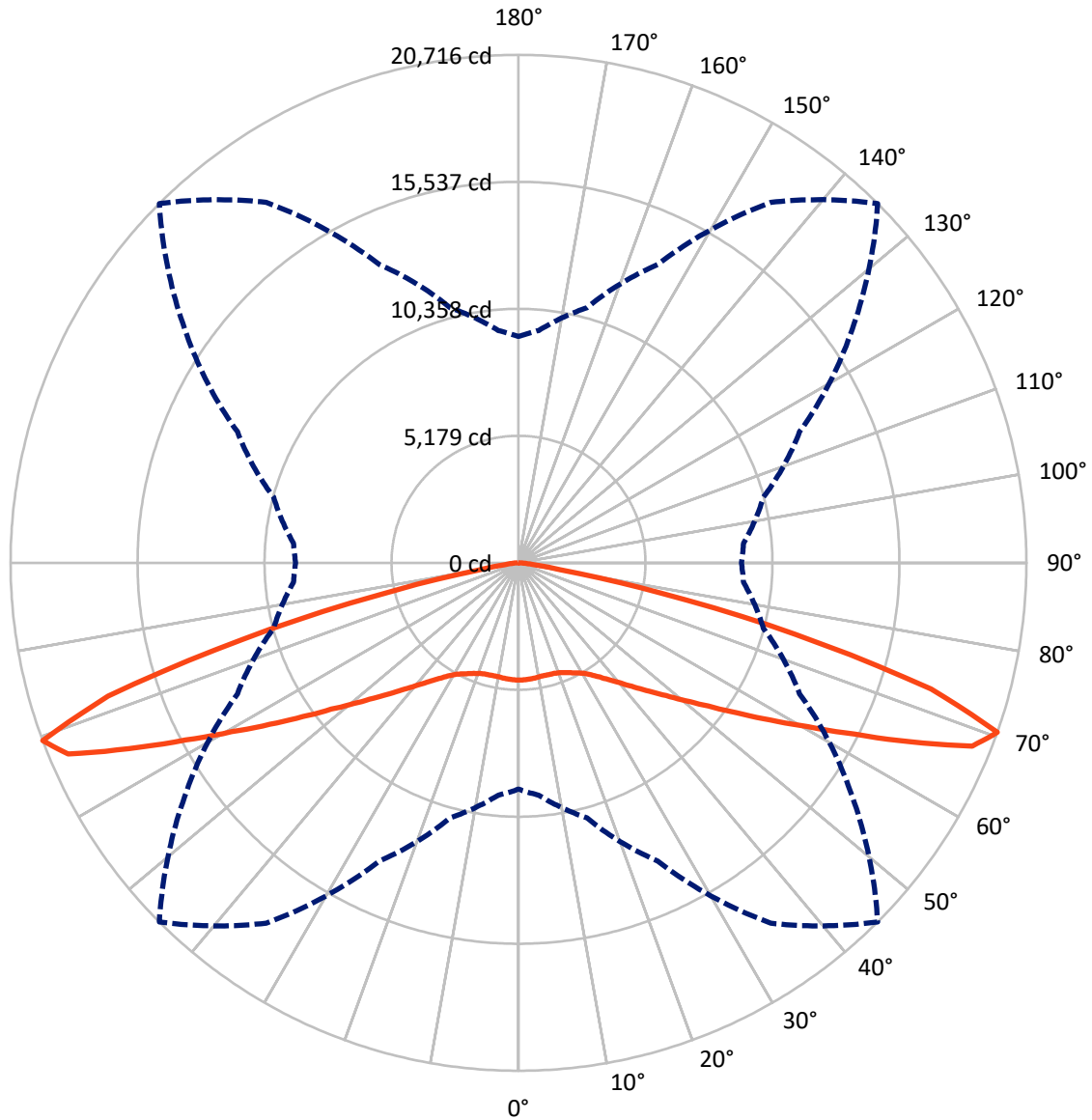
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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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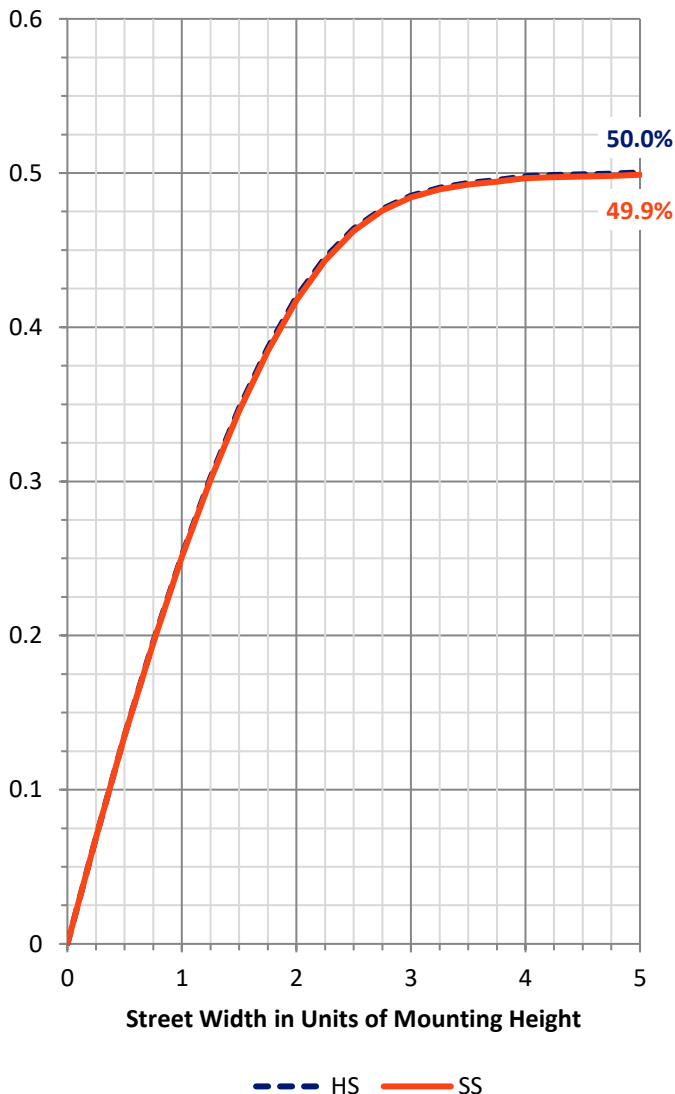
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21908.0	0.0	21908.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21908.0	0.0	21908.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43816.0	0.0	43816.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.2	1.0
10°-20°	1330.5	3.0
20°-30°	2265.0	5.2
30°-40°	3592.3	8.2
40°-50°	5845.8	13.3
50°-60°	9638.7	22.0
60°-70°	14149.9	32.3
70°-80°	6257.1	14.3
80°-90°	283.4	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°	43816.0	100.0
0°-180°	43816.0	100.0



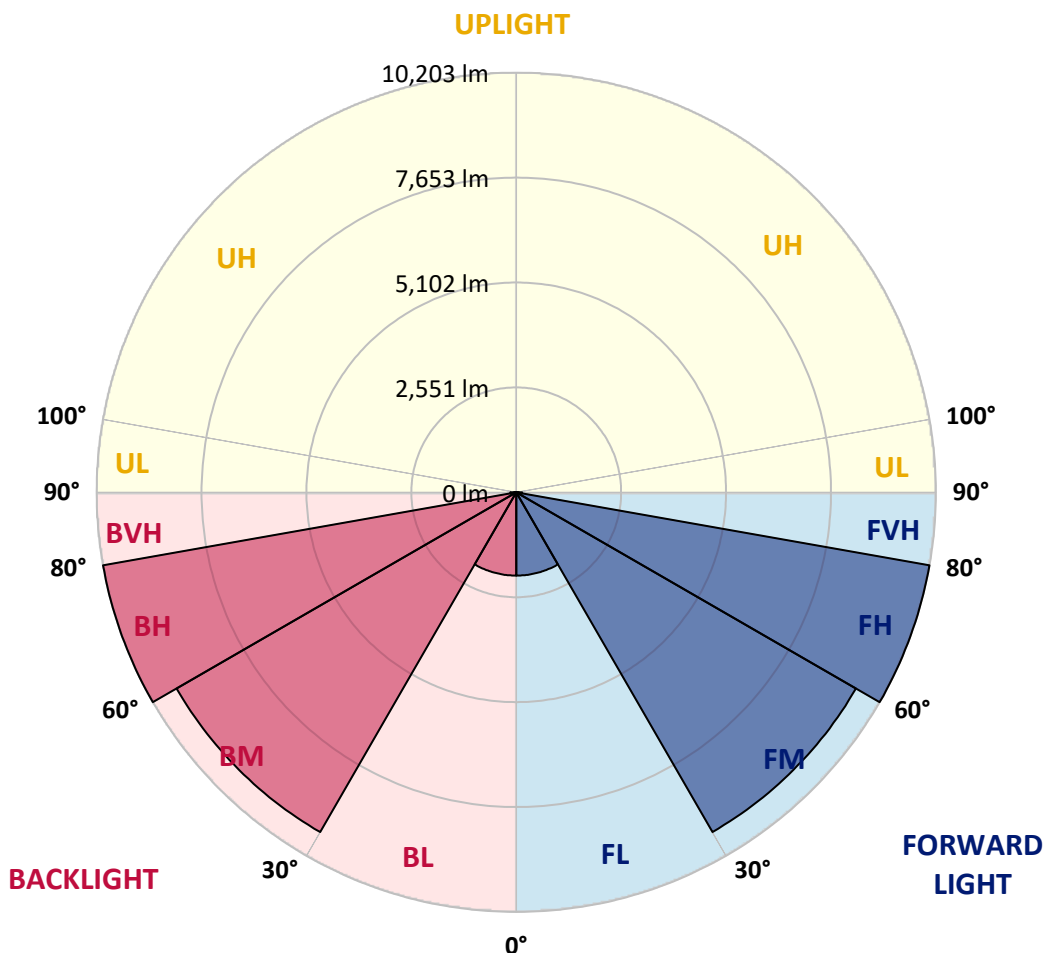
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2024.4	4.6			
FM (30°-60°)	9538.4	21.8			
FH (60°-80°)	10203.5	23.3			G4/12000
FVH (80°-90°)	141.7	0.3			G2/225
BL (0°-30°)	2024.4	4.6	B3/2500		
BM (30°-60°)	9538.4	21.8	B5		
BH (60°-80°)	10203.5	23.3	B5		G4/12000
BVH (80°-90°)	141.7	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°	4785.4	4785.4	4785.4	4785.4	4785.4	4785.4	4785.4	4785.4	4785.4	4785.4	4785.4
2.5°	4778.1	4773.8	4783.9	4782.5	4773.8	4775.2	4775.2	4779.6	4779.6	4776.7	4776.7
5°	4760.7	4757.8	4769.4	4769.4	4760.7	4763.6	4766.5	4770.9	4769.4	4766.5	4765.1
7.5°	4739.0	4737.5	4749.1	4749.1	4743.3	4746.2	4743.3	4744.8	4741.9	4739.0	4734.6
10°	4702.7	4705.6	4715.8	4718.7	4718.7	4720.1	4717.2	4710.0	4705.6	4701.3	4696.9
12.5°	4669.4	4667.9	4682.4	4689.7	4701.3	4714.3	4705.6	4685.3	4676.6	4667.9	4665.0
15°	4647.6	4649.1	4663.6	4676.6	4696.9	4724.5	4714.3	4682.4	4665.0	4654.9	4652.0
17.5°	4643.3	4646.2	4665.0	4688.2	4710.0	4740.4	4734.6	4702.7	4673.7	4654.9	4650.5
20°	4653.4	4654.9	4683.9	4717.2	4754.9	4783.9	4770.9	4736.1	4696.9	4667.9	4660.7
22.5°	4672.3	4678.1	4714.3	4766.5	4824.5	4863.7	4847.7	4788.3	4727.4	4691.1	4681.0
25°	4731.7	4733.2	4782.5	4853.5	4923.2	4968.1	4949.3	4865.1	4786.8	4746.2	4733.2
27.5°	4855.0	4859.3	4908.6	4991.3	5050.8	5079.8	5068.2	5000.0	4933.3	4889.8	4894.1
30°	5033.4	5039.2	5094.3	5185.6	5221.9	5229.1	5226.2	5194.3	5133.4	5075.4	5079.8
32.5°	5250.9	5253.8	5327.7	5410.4	5439.4	5445.2	5439.4	5410.4	5337.9	5259.6	5263.9
35°	5530.7	5539.5	5610.5	5690.3	5713.5	5725.1	5714.9	5677.2	5601.8	5524.9	5522.0
37.5°	5875.9	5877.3	5951.3	6033.9	6062.9	6065.8	6054.2	6029.6	5935.3	5865.7	5861.4
40°	6276.1	6281.9	6368.9	6457.4	6469.0	6455.9	6471.9	6457.4	6360.2	6280.5	6293.5
42.5°	6763.3	6776.4	6880.8	6967.8	6934.5	6927.2	6937.4	6941.7	6863.4	6766.3	6757.5
45°	7330.3	7341.9	7472.5	7542.1	7520.3	7472.5	7492.8	7527.6	7418.8	7298.4	7310.0
47.5°	7977.1	8006.1	8145.3	8210.6	8156.9	8091.7	8130.8	8183.0	8055.4	7906.0	7898.8
50°	8696.4	8732.6	8918.2	9009.6	8955.9	8835.6	8900.8	8935.6	8751.5	8558.6	8542.6
52.5°	9463.5	9499.7	9733.2	9921.7	9886.9	9699.8	9791.2	9754.9	9543.2	9283.7	9263.4
55°	10332.1	10346.6	10598.9	10903.4	10938.2	10800.5	10794.7	10735.2	10422.0	10121.8	10107.3
57.5°	11225.4	11235.5	11561.8	11921.4	12085.3	12085.3	11922.9	11796.7	11380.5	11032.5	10996.2
60°	12189.7	12225.9	12587.0	13075.7	13458.5	13571.7	13284.5	12940.9	12488.4	12063.5	12021.5
62.5°	13048.2	13090.2	13642.7	14370.7	14985.5	15397.4	14695.5	14135.7	13312.1	12630.5	12550.8
65°	13156.9	13270.0	14074.8	15393.0	16769.2	17591.4	16245.7	14866.6	13365.7	12418.8	12337.6
67.5°	12015.7	12207.1	13294.7	15346.6	18190.3	19955.1	17236.1	14449.0	12402.9	11355.9	11266.0
70°	9232.9	9511.3	10765.7	13423.7	17945.2	20716.4	16615.5	12649.4	10340.8	9214.0	9087.9
72.5°	5065.3	5179.8	6308.0	9192.3	14386.6	17604.4	13858.8	9353.3	6857.6	5580.1	5368.3
75°	1606.7	1647.3	2221.6	3761.6	8138.1	11660.4	8803.7	4591.1	2527.6	1863.4	1841.6
77.5°	713.5	717.8	803.4	1097.7	2803.1	5907.8	3367.2	1250.0	861.4	752.6	777.3
80°	451.0	451.0	497.4	543.8	762.8	1715.5	910.7	594.5	507.5	471.3	481.4
82.5°	216.1	239.3	323.4	348.0	419.1	577.1	466.9	388.6	339.3	252.3	234.9
85°	142.1	118.9	204.5	230.6	243.6	277.0	271.2	256.7	221.9	126.2	140.7
87.5°	63.8	60.9	105.9	97.2	91.4	69.6	104.4	129.1	124.7	62.4	62.4
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)