

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: P316482

Luminaire Tested: **GAN-SA8B-740-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316482  
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-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 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: 48112 lumens  
Efficiency: N/A  
Efficacy: 144.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

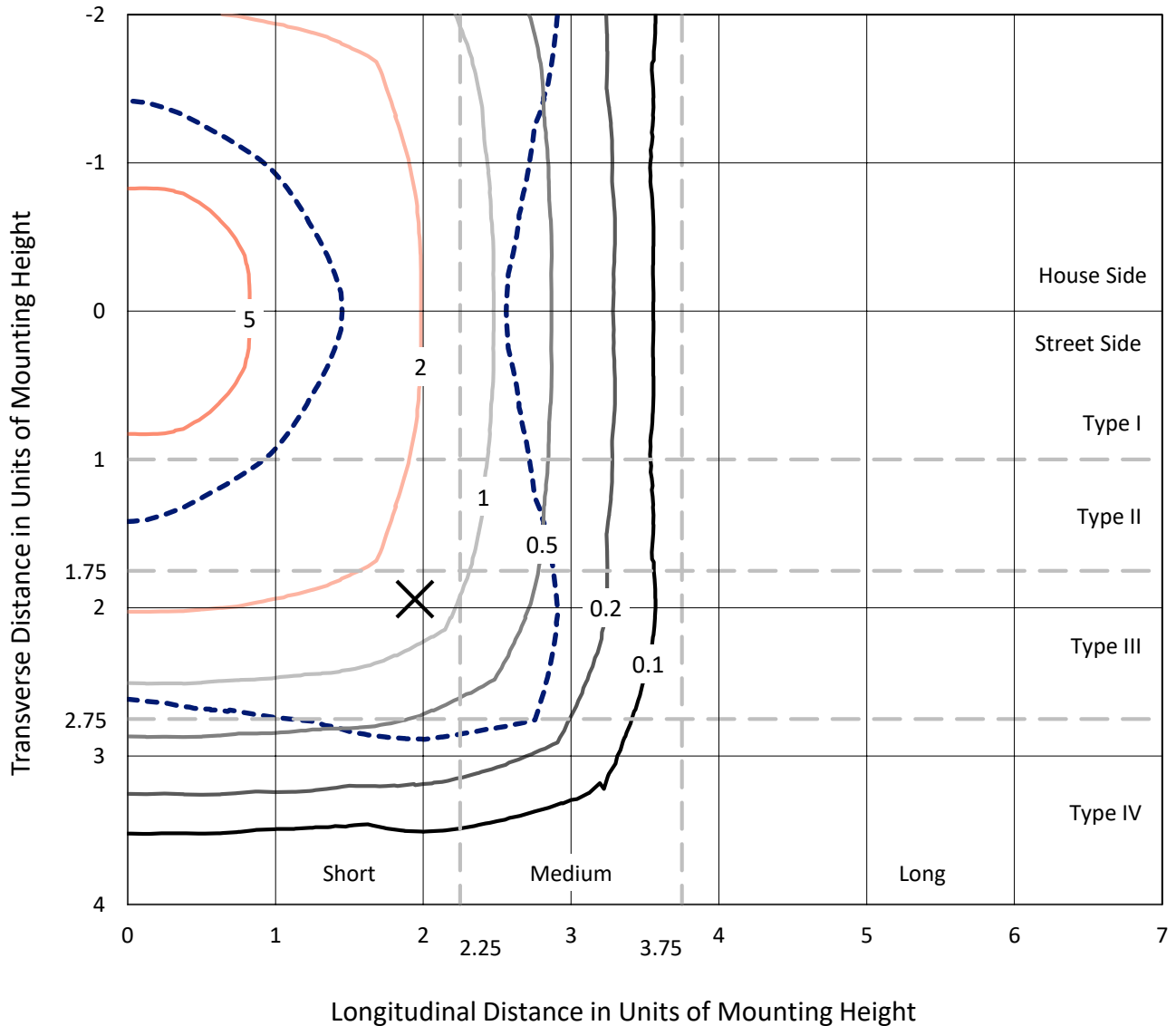
Input Watts (W): 334  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

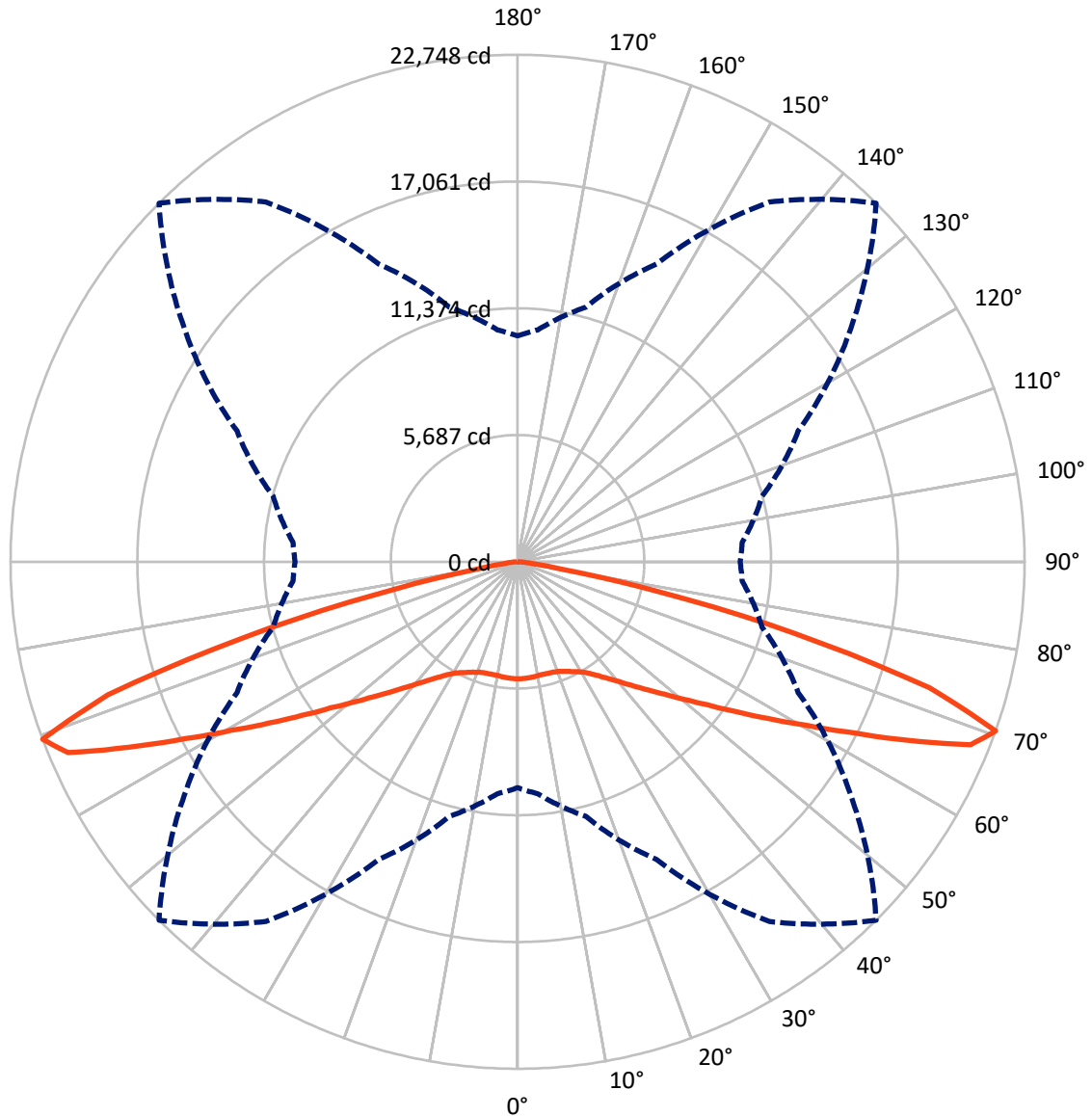
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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 70-Deg Vertical

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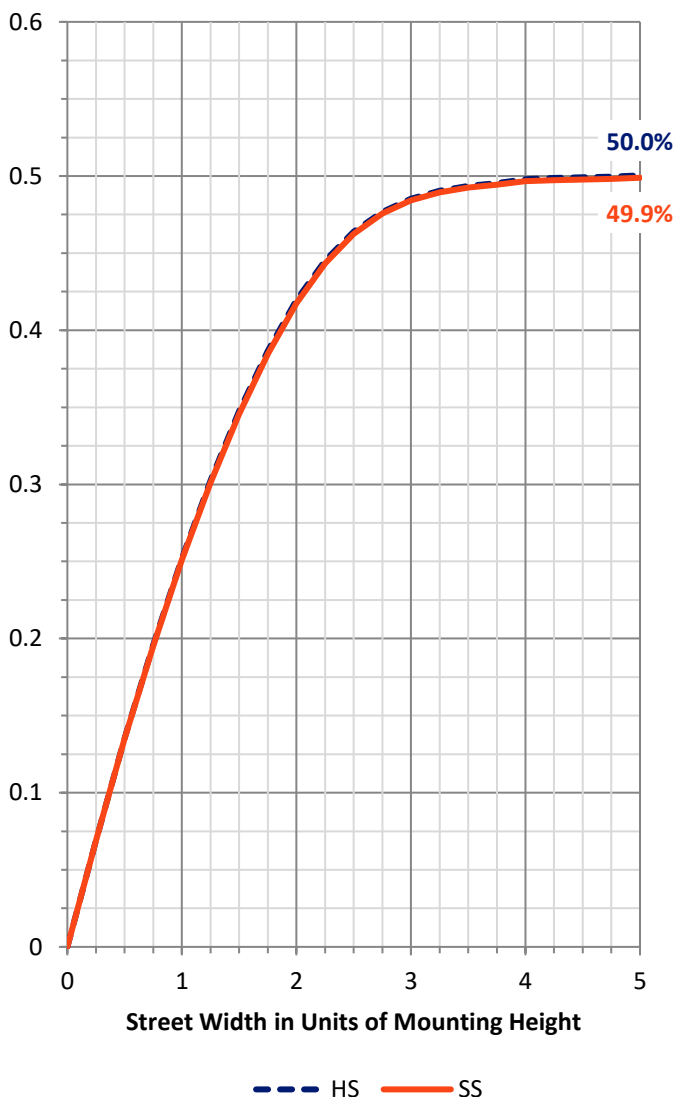
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	24056.0	0.0	24056.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24056.0	0.0	24056.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	48112.0	0.0	48112.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	497.7	1.0
10°-20°	1461.0	3.0
20°-30°	2487.1	5.2
30°-40°	3944.5	8.2
40°-50°	6419.0	13.3
50°-60°	10583.8	22.0
60°-70°	15537.3	32.3
70°-80°	6870.5	14.3
80°-90°	311.1	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°	48112.0	100.0
0°-180°	48112.0	100.0



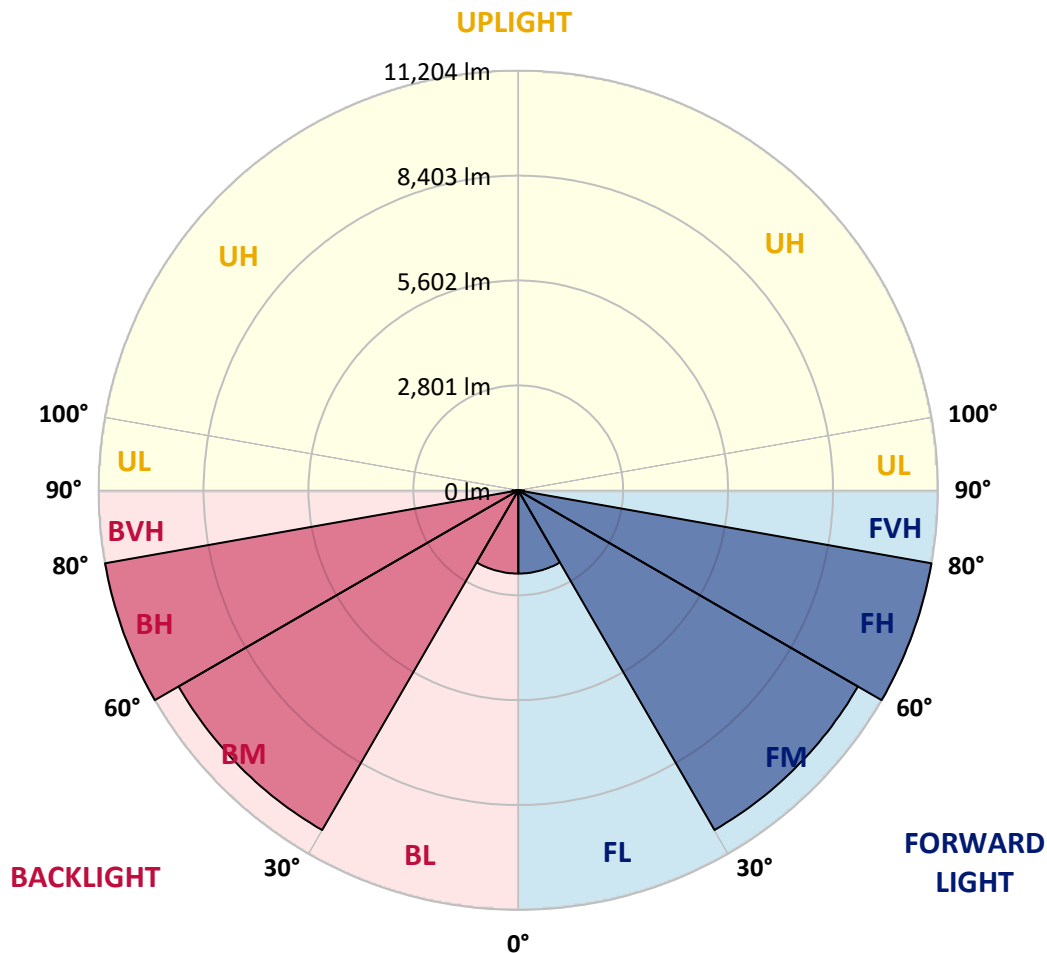
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2222.9	4.6			
FM (30°-60°)	10473.6	21.8			
FH (60°-80°)	11203.9	23.3			G4/12000
FVH (80°-90°)	155.6	0.3			G2/225
BL (0°-30°)	2222.9	4.6	B3/2500		
BM (30°-60°)	10473.6	21.8	B5		
BH (60°-80°)	11203.9	23.3	B5		G4/12000
BVH (80°-90°)	155.6	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°	5254.6	5254.6	5254.6	5254.6	5254.6	5254.6	5254.6	5254.6	5254.6	5254.6	5254.6
2.5°	5246.6	5241.8	5253.0	5251.4	5241.8	5243.4	5243.4	5248.2	5248.2	5245.0	5245.0
5°	5227.5	5224.3	5237.1	5237.1	5227.5	5230.7	5233.9	5238.7	5237.1	5233.9	5232.3
7.5°	5203.6	5202.0	5214.8	5214.8	5208.4	5211.6	5208.4	5210.0	5206.8	5203.6	5198.8
10°	5163.8	5167.0	5178.1	5181.3	5181.3	5182.9	5179.7	5171.8	5167.0	5162.2	5157.4
12.5°	5127.2	5125.6	5141.5	5149.5	5162.2	5176.6	5167.0	5144.7	5135.2	5125.6	5122.4
15°	5103.3	5104.9	5120.8	5135.2	5157.4	5187.7	5176.6	5141.5	5122.4	5111.3	5108.1
17.5°	5098.5	5101.7	5122.4	5147.9	5171.8	5205.2	5198.8	5163.8	5132.0	5111.3	5106.5
20°	5109.7	5111.3	5143.1	5179.7	5221.1	5253.0	5238.7	5200.4	5157.4	5125.6	5117.6
22.5°	5130.4	5136.7	5176.6	5233.9	5297.6	5340.6	5323.0	5257.8	5190.9	5151.1	5139.9
25°	5195.7	5197.3	5251.4	5329.4	5405.8	5455.2	5434.5	5342.2	5256.2	5211.6	5197.3
27.5°	5331.0	5335.8	5389.9	5480.7	5546.0	5577.8	5565.1	5490.2	5417.0	5369.2	5374.0
30°	5526.9	5533.2	5593.7	5694.1	5733.9	5741.8	5738.6	5703.6	5636.7	5573.0	5577.8
32.5°	5765.7	5768.9	5850.1	5940.9	5972.7	5979.1	5972.7	5940.9	5861.2	5775.3	5780.0
35°	6073.0	6082.6	6160.6	6248.2	6273.6	6286.4	6275.2	6233.8	6151.0	6066.7	6063.5
37.5°	6452.0	6453.6	6534.8	6625.5	6657.4	6660.6	6647.8	6620.8	6517.3	6440.8	6436.1
40°	6891.5	6897.8	6993.4	7090.5	7103.2	7088.9	7106.4	7090.5	6983.8	6896.2	6910.6
42.5°	7426.5	7440.8	7555.4	7651.0	7614.4	7606.4	7617.5	7622.3	7536.3	7429.7	7420.1
45°	8049.1	8061.8	8205.1	8281.5	8257.7	8205.1	8227.4	8265.6	8146.2	8014.0	8026.8
47.5°	8759.2	8791.1	8943.9	9015.6	8956.7	8885.0	8928.0	8985.3	8845.2	8681.2	8673.2
50°	9549.0	9588.8	9792.6	9892.9	9834.0	9701.9	9773.5	9811.7	9609.5	9397.7	9380.2
52.5°	10391.3	10431.1	10687.5	10894.5	10856.3	10650.9	10751.2	10711.4	10478.9	10193.9	10171.6
55°	11345.1	11361.0	11638.1	11972.5	12010.7	11859.4	11853.1	11787.8	11443.8	11114.2	11098.3
57.5°	12326.0	12337.1	12695.4	13090.3	13270.2	13270.2	13091.9	12953.3	12496.3	12114.2	12074.4
60°	13384.8	13424.7	13821.1	14357.7	14778.1	14902.3	14587.0	14209.7	13712.9	13246.3	13200.1
62.5°	14327.5	14373.7	14980.3	15779.7	16454.8	16907.0	16136.3	15521.7	14617.3	13868.9	13781.3
65°	14446.9	14571.1	15454.8	16902.2	18413.3	19316.2	17838.5	16324.2	14676.2	13636.4	13547.3
67.5°	13193.8	13404.0	14598.2	16851.3	19973.8	21911.6	18926.0	15865.6	13618.9	12469.3	12370.6
70°	10138.2	10443.9	11821.2	14739.9	19704.7	22747.6	18244.5	13889.6	11354.7	10117.5	9978.9
72.5°	5561.9	5687.7	6926.5	10093.6	15797.2	19330.5	15217.6	10270.3	7530.0	6127.2	5894.7
75°	1764.3	1808.8	2439.4	4130.4	8936.0	12803.7	9666.8	5041.2	2775.4	2046.1	2022.2
77.5°	783.4	788.2	882.1	1205.4	3077.9	6487.0	3697.3	1372.6	945.8	826.4	853.5
80°	495.2	495.2	546.2	597.1	837.5	1883.7	1000.0	652.8	557.3	517.5	528.6
82.5°	237.3	262.7	355.1	382.2	460.2	633.7	512.7	426.7	372.6	277.1	258.0
85°	156.0	130.6	224.5	253.2	267.5	304.1	297.8	281.8	243.6	138.5	154.5
87.5°	70.1	66.9	116.2	106.7	100.3	76.4	114.6	141.7	136.9	68.5	68.5
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)