

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: P316192

Luminaire Tested: **GAN-SA8A-750-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316192  
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-SA8A-750-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39338 lumens  
Efficiency: N/A  
Efficacy: 153.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

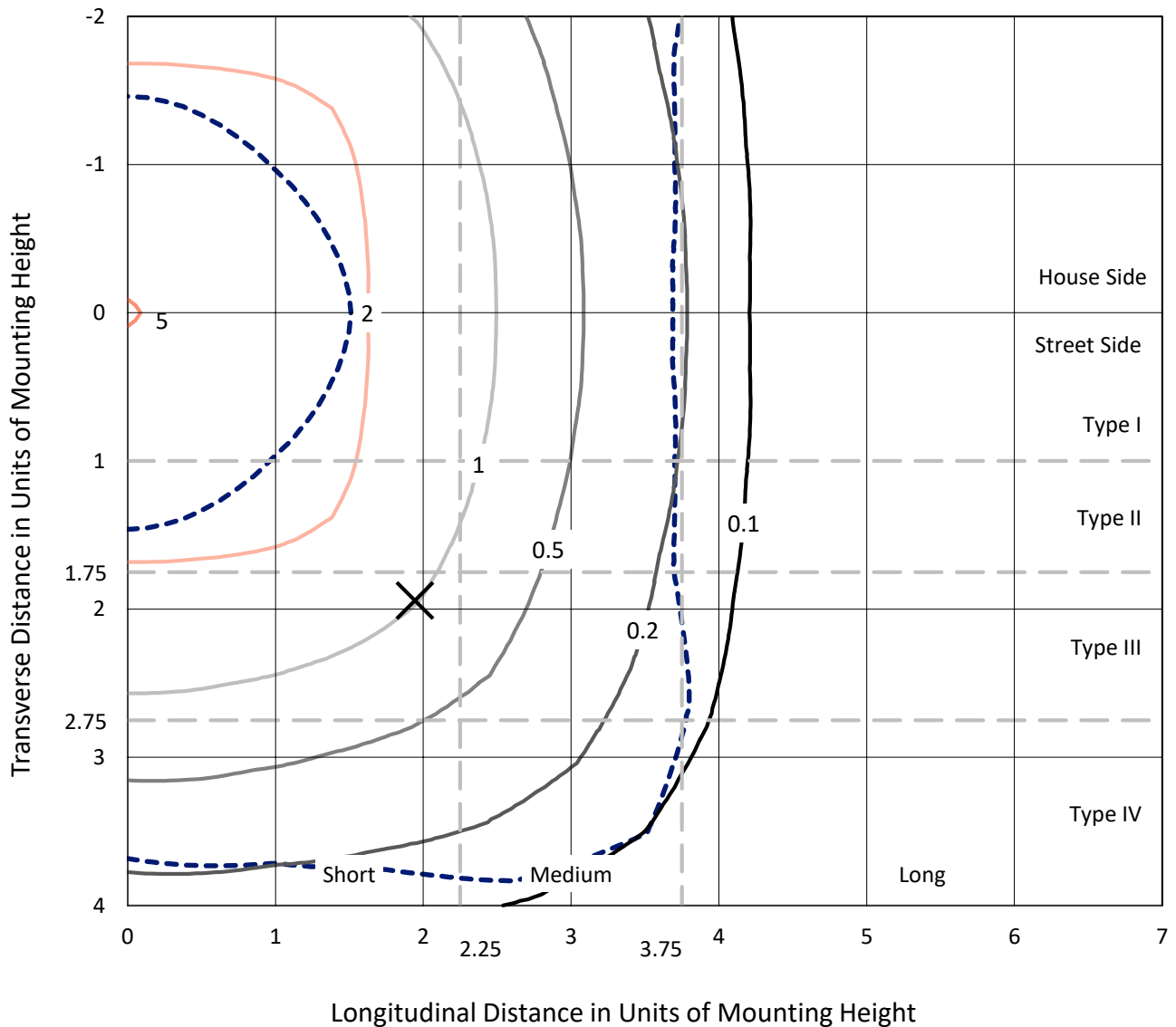
Input Watts (W): 257  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

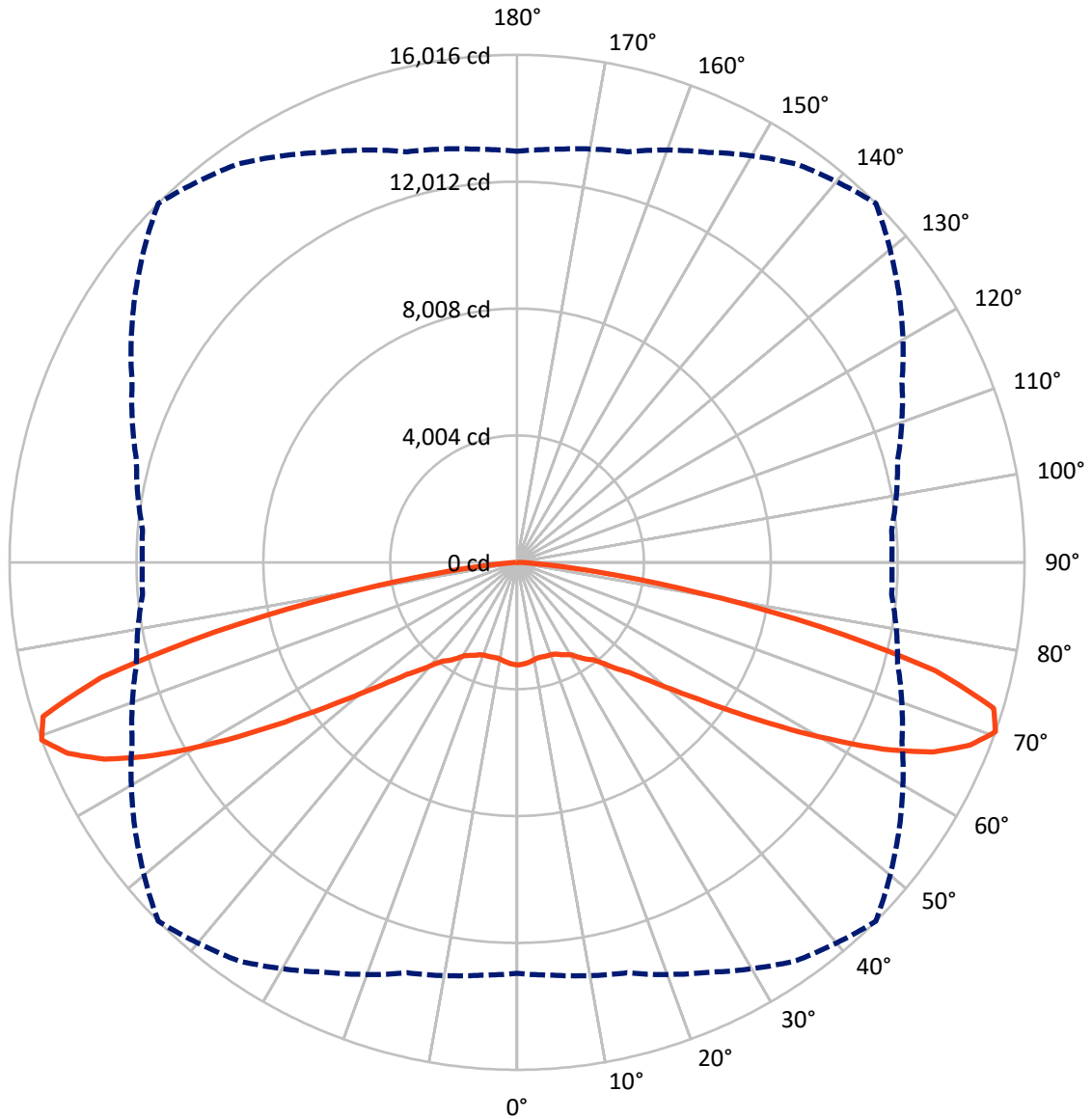
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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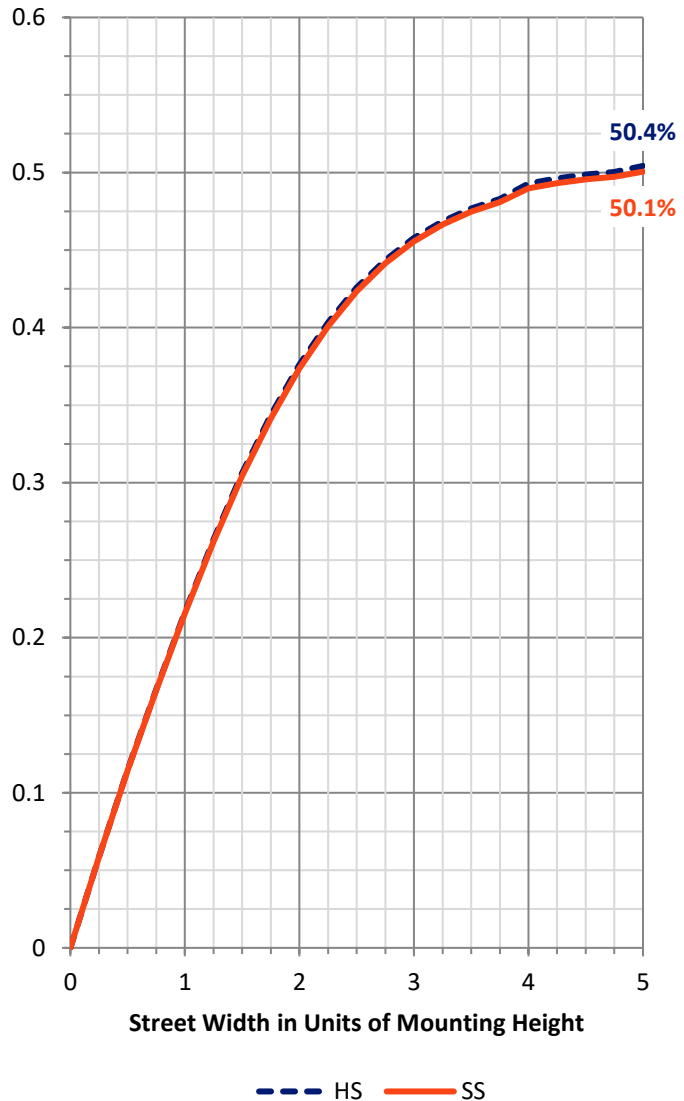
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19669.0	0.0	19669.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19669.0	0.0	19669.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39338.0	0.0	39338.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.2	0.8
10°-20°	882.6	2.2
20°-30°	1504.9	3.8
30°-40°	2351.4	6.0
40°-50°	3985.1	10.1
50°-60°	7267.2	18.5
60°-70°	12510.9	31.8
70°-80°	9806.5	24.9
80°-90°	727.1	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°	39338.0	100.0
0°-180°	39338.0	100.0

**Coefficient of Utilization**



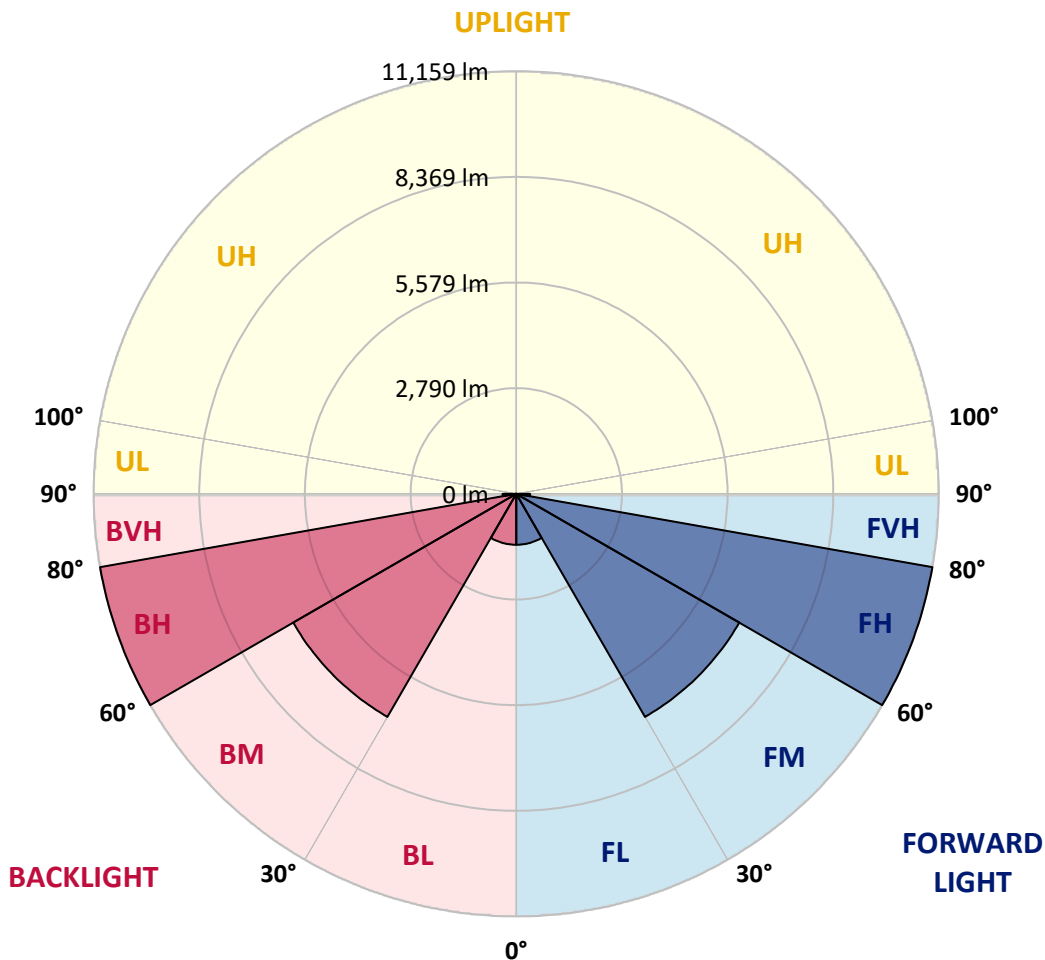
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1344.8	3.4			
FM (30°-60°)	6801.9	17.3			
FH (60°-80°)	11158.7	28.4			G4/12000
FVH (80°-90°)	363.6	0.9			G3/500
BL (0°-30°)	1344.8	3.4	B3/2500		
BM (30°-60°)	6801.9	17.3	B4/8500		
BH (60°-80°)	11158.7	28.4	B5		G4/12000
BVH (80°-90°)	363.6	0.9			G3/500
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°	3237.5	3237.5	3237.5	3237.5	3237.5	3237.5	3237.5	3237.5	3237.5	3237.5	3237.5
2.5°	3223.2	3227.1	3223.2	3225.8	3219.3	3221.9	3221.9	3221.9	3220.6	3221.9	3219.3
5°	3194.6	3197.2	3192.0	3194.6	3190.7	3194.6	3195.9	3194.6	3192.0	3193.3	3188.1
7.5°	3151.6	3154.2	3150.3	3154.2	3149.0	3155.5	3154.2	3150.3	3146.4	3146.4	3141.2
10°	3128.2	3129.5	3119.1	3115.2	3103.5	3106.1	3110.0	3113.9	3117.8	3125.6	3124.3
12.5°	3129.5	3129.5	3113.9	3097.0	3080.1	3084.0	3090.5	3104.8	3120.4	3134.7	3136.0
15°	3142.5	3141.2	3117.8	3090.5	3078.8	3090.5	3094.4	3103.5	3128.2	3152.9	3154.2
17.5°	3151.6	3151.6	3115.2	3084.0	3082.7	3100.9	3099.6	3103.5	3130.8	3167.3	3168.6
20°	3168.6	3168.6	3121.7	3087.9	3087.9	3107.4	3108.7	3115.2	3142.5	3182.9	3189.4
22.5°	3206.3	3207.6	3158.1	3130.8	3133.4	3145.1	3149.0	3159.4	3184.2	3228.4	3236.2
25°	3259.6	3262.2	3211.5	3195.9	3205.0	3227.1	3224.5	3232.3	3259.6	3302.6	3310.4
27.5°	3333.8	3327.3	3280.5	3274.0	3283.1	3298.7	3297.4	3298.7	3320.8	3359.8	3368.9
30°	3430.1	3427.5	3393.7	3397.6	3393.7	3388.5	3389.8	3400.2	3411.9	3443.1	3452.2
32.5°	3523.8	3526.4	3505.6	3525.1	3553.7	3573.2	3543.3	3514.7	3501.7	3518.6	3526.4
35°	3693.0	3699.5	3666.9	3653.9	3693.0	3750.2	3665.6	3618.8	3644.8	3666.9	3673.4
37.5°	3980.5	3984.4	3929.8	3877.7	3849.1	3903.8	3819.2	3823.1	3914.2	3955.8	3954.5
40°	4308.5	4309.8	4273.3	4227.8	4178.3	4191.3	4157.5	4167.9	4227.8	4265.5	4275.9
42.5°	4698.8	4694.9	4637.7	4572.6	4558.3	4571.3	4514.1	4506.2	4575.2	4642.9	4644.2
45°	5205.0	5195.9	5121.7	5050.2	4981.2	4952.6	4938.3	4976.0	5071.0	5133.5	5134.8
47.5°	5750.2	5725.5	5686.5	5629.2	5569.4	5540.7	5517.3	5535.5	5604.5	5629.2	5631.8
50°	6311.1	6316.3	6324.1	6302.0	6279.9	6270.7	6209.6	6174.5	6195.3	6149.7	6143.2
52.5°	6976.0	6986.4	7061.9	7125.7	7163.4	7182.9	7067.1	6946.1	6878.4	6789.9	6763.9
55°	7760.7	7777.6	7888.2	8065.2	8247.4	8343.6	8134.1	7907.7	7698.2	7533.0	7479.6
57.5°	8635.1	8665.1	8817.3	9156.9	9530.4	9758.1	9404.2	8993.0	8588.3	8350.2	8308.5
60°	9660.5	9689.1	9899.9	10386.6	10991.7	11333.9	10797.8	10125.1	9621.5	9393.8	9317.0
62.5°	10881.1	10883.7	11142.6	11711.3	12510.3	12986.5	12260.4	11361.3	10842.1	10567.5	10493.3
65°	12194.1	12200.6	12468.6	13082.8	13909.1	14427.0	13607.2	12670.3	12035.3	11630.6	11573.4
67.5°	13121.9	13149.2	13431.6	14170.7	14943.6	15410.8	14562.3	13503.1	12769.2	12286.5	12238.3
70°	12973.5	13080.2	13412.0	14274.8	15349.6	16015.8	14717.2	13404.2	12436.1	11866.1	11825.8
72.5°	11314.4	11518.7	11961.1	13093.2	14812.2	15729.6	13872.7	12005.4	10909.7	10424.4	10351.5
75°	7704.7	8036.6	8704.1	10337.2	12654.7	13618.9	11678.8	9572.0	8541.4	7870.0	7820.5
77.5°	3435.3	3510.8	4356.6	6236.9	8732.7	9780.2	8485.5	6261.6	4700.1	3748.9	3548.5
80°	957.7	969.4	1293.4	2322.7	4370.9	5746.3	4692.3	2439.9	1371.5	966.8	910.9
82.5°	304.5	330.5	403.4	602.5	1469.1	2622.0	1508.2	650.6	463.2	369.6	333.1
85°	148.3	147.0	204.3	244.6	374.8	580.4	399.5	301.9	264.2	175.7	158.8
87.5°	62.5	63.8	95.0	85.9	109.3	93.7	128.8	135.3	141.8	78.1	67.7
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)