

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: P316162

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316162  
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-SA8B-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 48241 lumens  
Efficiency: N/A  
Efficacy: 144.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

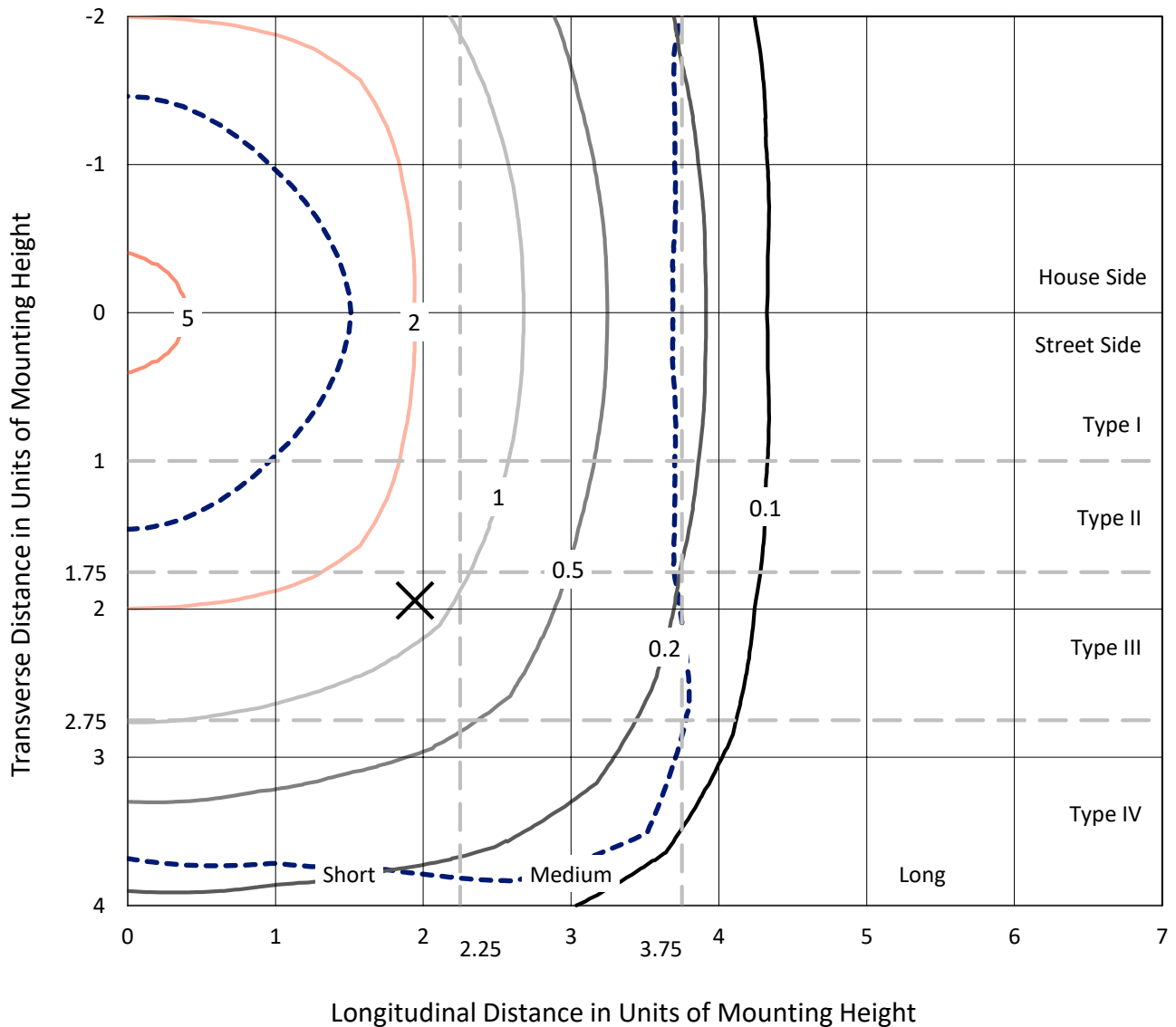
Input Watts (W): 334  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

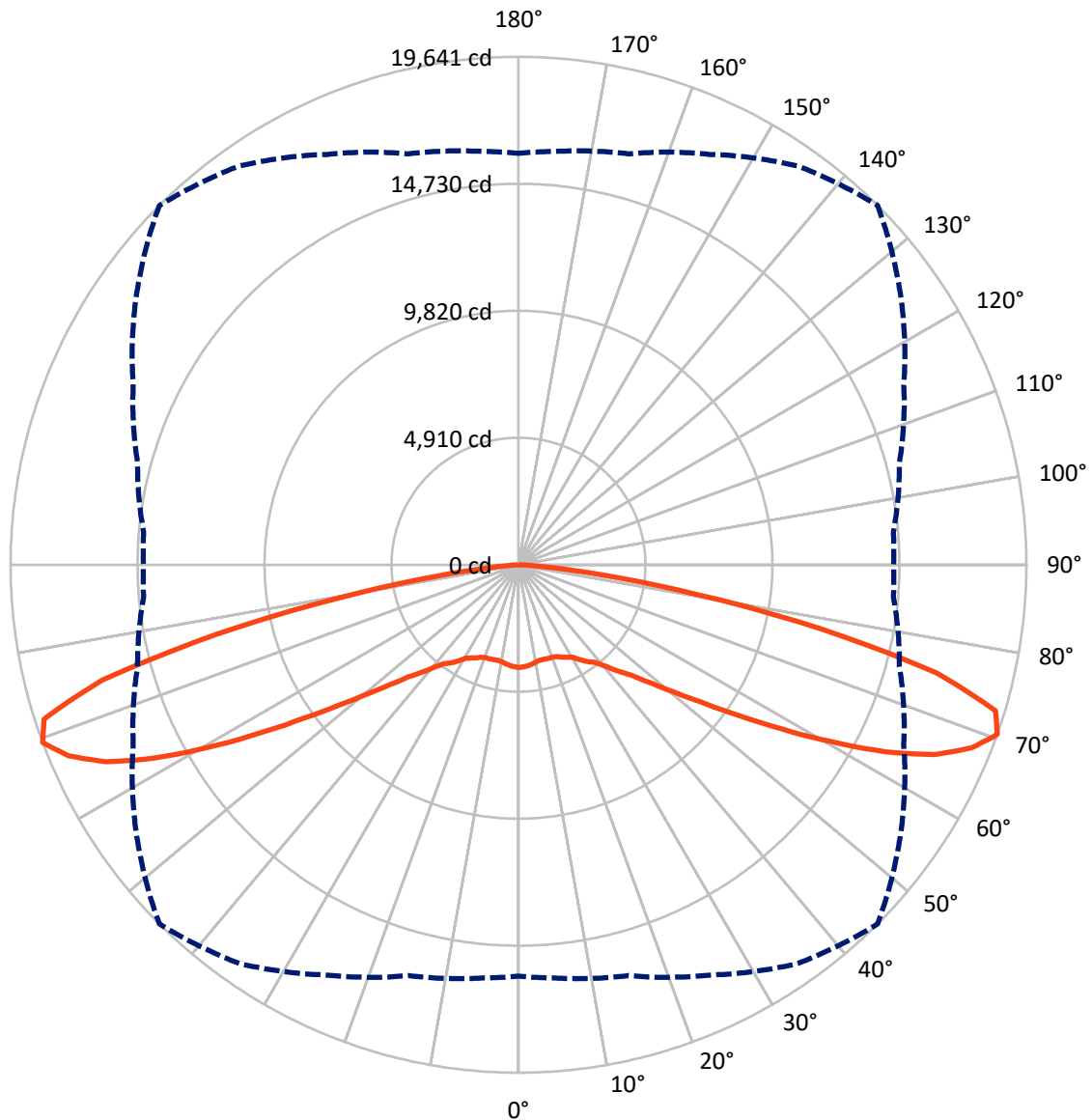
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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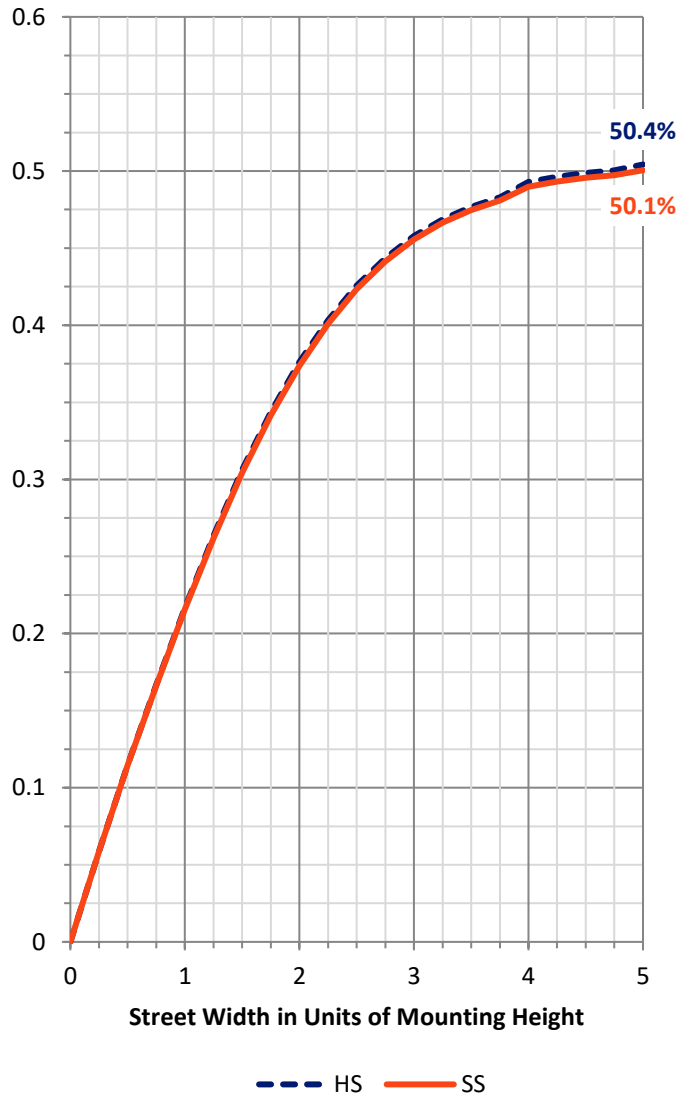
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	24120.5	0.0	24120.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24120.5	0.0	24120.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	48241.0	0.0	48241.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	370.6	0.8
10°-20°	1082.4	2.2
20°-30°	1845.5	3.8
30°-40°	2883.6	6.0
40°-50°	4887.0	10.1
50°-60°	8911.9	18.5
60°-70°	15342.4	31.8
70°-80°	12025.9	24.9
80°-90°	891.7	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°	48241.0	100.0
0°-180°	48241.0	100.0

**Coefficient of Utilization**

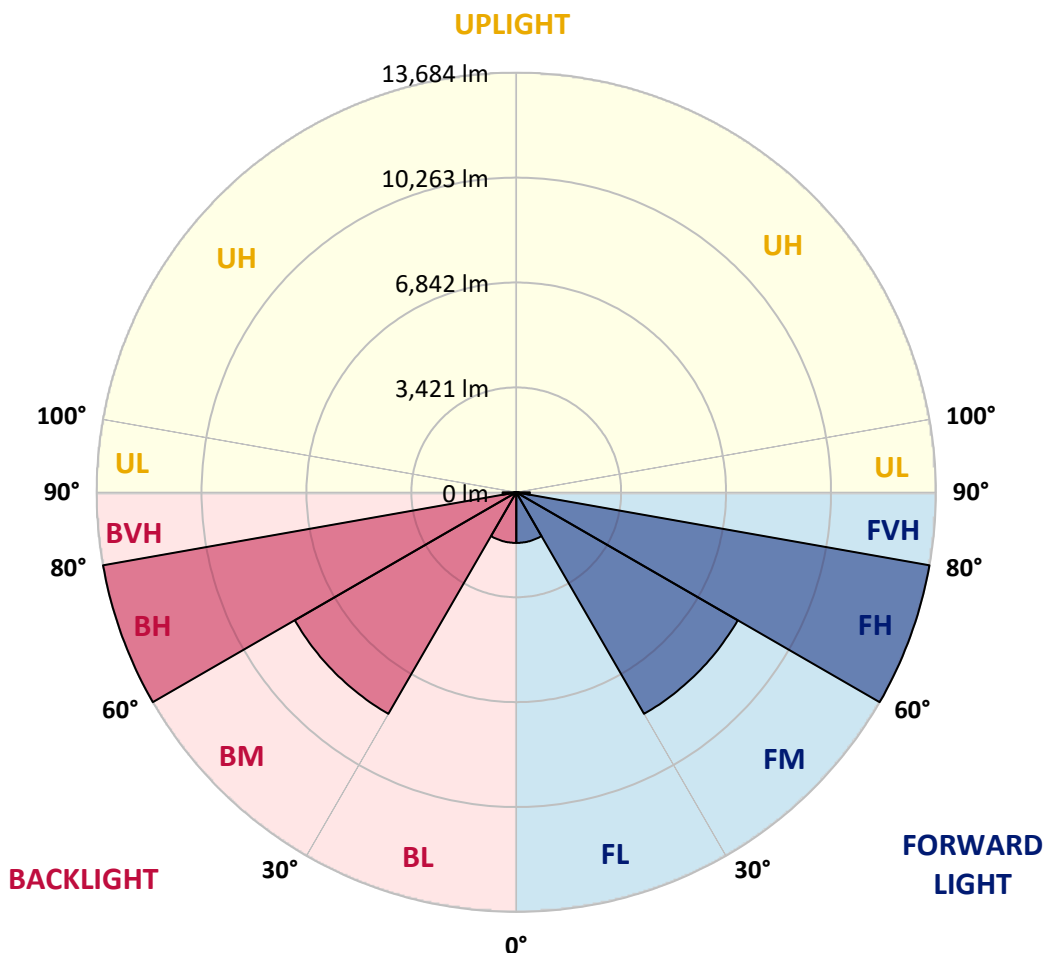


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1649.2	3.4			
FM (30°-60°)	8341.2	17.3			
FH (60°-80°)	13684.2	28.4			G5
FVH (80°-90°)	445.8	0.9			G3/500
BL (0°-30°)	1649.2	3.4	B3/2500		
BM (30°-60°)	8341.2	17.3	B4/8500		
BH (60°-80°)	13684.2	28.4	B5		G5
BVH (80°-90°)	445.8	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-G5**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2	3970.2
2.5°	3952.7	3957.5	3952.7	3955.9	3947.9	3951.1	3951.1	3951.1	3949.5	3951.1	3947.9
5°	3917.6	3920.8	3914.4	3917.6	3912.8	3917.6	3919.2	3917.6	3914.4	3916.0	3909.6
7.5°	3864.9	3868.1	3863.3	3868.1	3861.7	3869.7	3868.1	3863.3	3858.5	3858.5	3852.2
10°	3836.2	3837.8	3825.0	3820.2	3805.9	3809.1	3813.9	3818.6	3823.4	3833.0	3831.4
12.5°	3837.8	3837.8	3818.6	3797.9	3777.2	3781.9	3789.9	3807.5	3826.6	3844.2	3845.8
15°	3853.8	3852.2	3823.4	3789.9	3775.6	3789.9	3794.7	3805.9	3836.2	3866.5	3868.1
17.5°	3864.9	3864.9	3820.2	3781.9	3780.3	3802.7	3801.1	3805.9	3839.4	3884.1	3885.7
20°	3885.7	3885.7	3828.2	3786.7	3786.7	3810.7	3812.3	3820.2	3853.8	3903.2	3911.2
22.5°	3931.9	3933.5	3872.9	3839.4	3842.6	3856.9	3861.7	3874.5	3904.8	3959.1	3968.6
25°	3997.4	4000.6	3938.3	3919.2	3930.3	3957.5	3954.3	3963.9	3997.4	4050.0	4059.6
27.5°	4088.3	4080.3	4022.9	4014.9	4026.1	4045.2	4043.6	4045.2	4072.4	4120.2	4131.4
30°	4206.4	4203.2	4161.7	4166.5	4161.7	4155.3	4156.9	4169.7	4184.1	4222.4	4233.5
32.5°	4321.3	4324.5	4299.0	4322.9	4358.0	4381.9	4345.2	4310.1	4294.2	4314.9	4324.5
35°	4528.8	4536.7	4496.8	4480.9	4528.8	4599.0	4495.2	4437.8	4469.7	4496.8	4504.8
37.5°	4881.4	4886.2	4819.2	4755.4	4720.2	4787.3	4683.5	4688.3	4800.0	4851.1	4849.5
40°	5283.5	5285.1	5240.5	5184.6	5124.0	5139.9	5098.4	5111.2	5184.6	5230.9	5243.7
42.5°	5762.3	5757.5	5687.3	5607.5	5589.9	5605.9	5535.7	5526.1	5610.7	5693.7	5695.3
45°	6383.0	6371.9	6280.9	6193.1	6108.6	6073.4	6055.9	6102.2	6218.7	6295.3	6296.9
47.5°	7051.6	7021.3	6973.5	6903.2	6829.8	6794.7	6766.0	6788.3	6872.9	6903.2	6906.4
50°	7739.4	7745.8	7755.4	7728.2	7701.1	7689.9	7614.9	7571.9	7597.4	7541.5	7533.6
52.5°	8554.8	8567.6	8660.2	8738.4	8784.6	8808.6	8666.6	8518.1	8435.2	8326.7	8294.7
55°	9517.1	9537.8	9673.5	9890.5	10113.9	10232.0	9975.1	9697.4	9440.5	9237.8	9172.4
57.5°	10589.4	10626.1	10812.8	11229.3	11687.3	11966.6	11532.5	11028.3	10532.0	10240.0	10188.9
60°	11846.9	11882.0	12140.5	12737.3	13479.4	13899.0	13241.6	12416.6	11799.0	11519.8	11425.6
62.5°	13343.7	13346.9	13664.5	14361.8	15341.6	15925.6	15035.2	13932.5	13295.8	12959.1	12868.2
65°	14953.8	14961.8	15290.5	16043.7	17057.0	17692.1	16686.8	15537.9	14759.1	14262.9	14192.7
67.5°	16091.6	16125.1	16471.4	17377.8	18325.7	18898.5	17858.1	16559.2	15659.2	15067.1	15008.1
70°	15909.7	16040.5	16447.5	17505.4	18823.5	19640.6	18048.0	16437.9	15250.6	14551.7	14502.2
72.5°	13875.1	14125.6	14668.2	16056.5	18164.5	19289.5	17012.4	14722.4	13378.8	12783.6	12694.2
75°	9448.5	9855.4	10674.0	12676.7	15518.7	16701.2	14321.9	11738.4	10474.5	9651.1	9590.5
77.5°	4212.8	4305.3	5342.6	7648.5	10709.1	11993.7	10405.9	7678.8	5763.9	4597.4	4351.6
80°	1174.5	1188.8	1586.2	2848.4	5360.1	7046.9	5754.3	2992.0	1681.9	1185.6	1117.0
82.5°	373.4	405.3	494.7	738.8	1801.6	3215.4	1849.5	797.9	568.1	453.2	408.5
85°	181.9	180.3	250.5	300.0	459.6	711.7	489.9	370.2	323.9	215.4	194.7
87.5°	76.6	78.2	116.5	105.3	134.0	114.9	158.0	166.0	173.9	95.7	83.0
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)