

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: P316153

Luminaire Tested: **GAN-SA9A-740-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316153  
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-SA9A-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 4000K, 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: 43883 lumens  
Efficiency: N/A  
Efficacy: 151.3 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

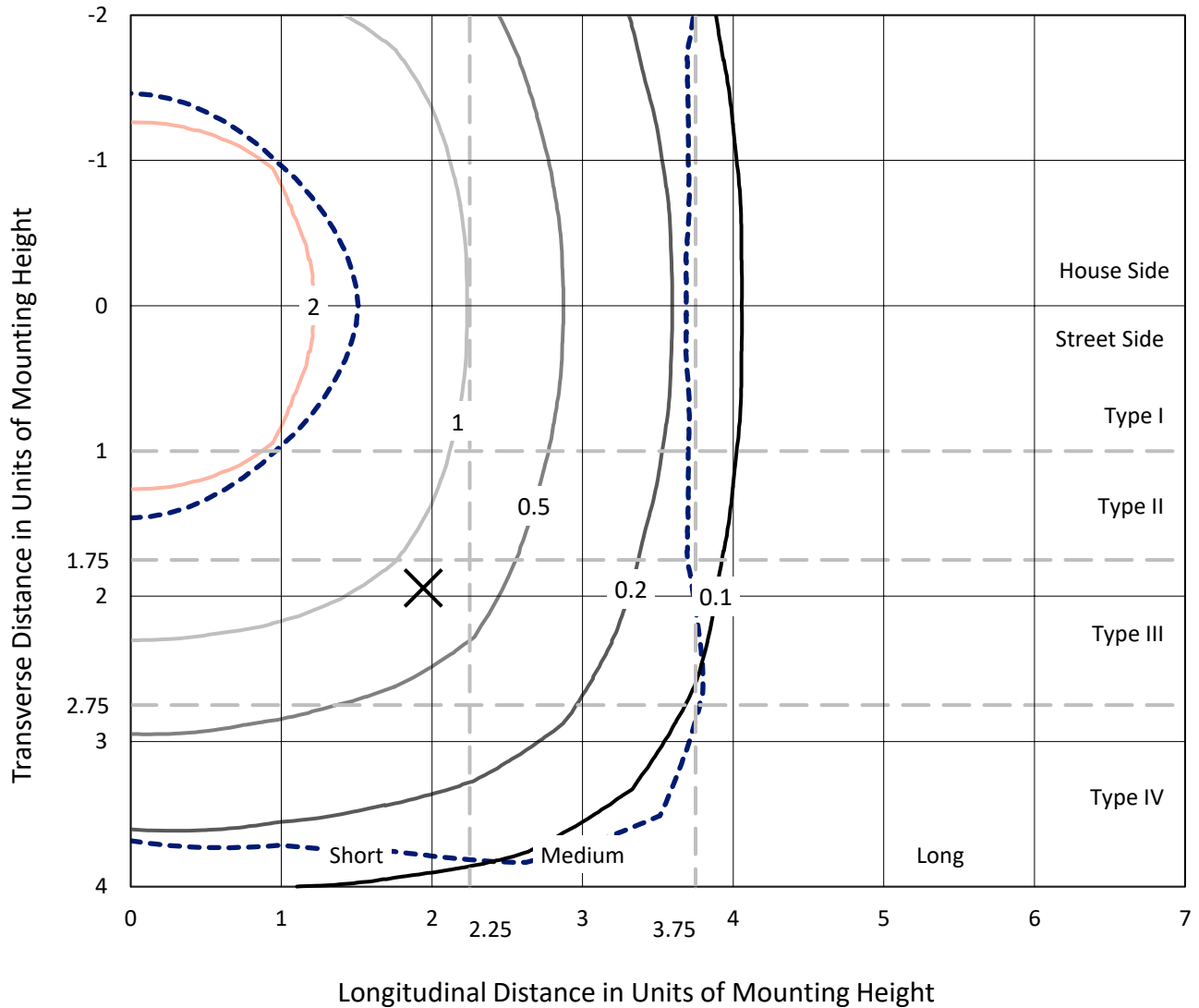
Input Watts (W): 290  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P316153  
 CATALOG NUMBER: GAN-SA9A-740-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

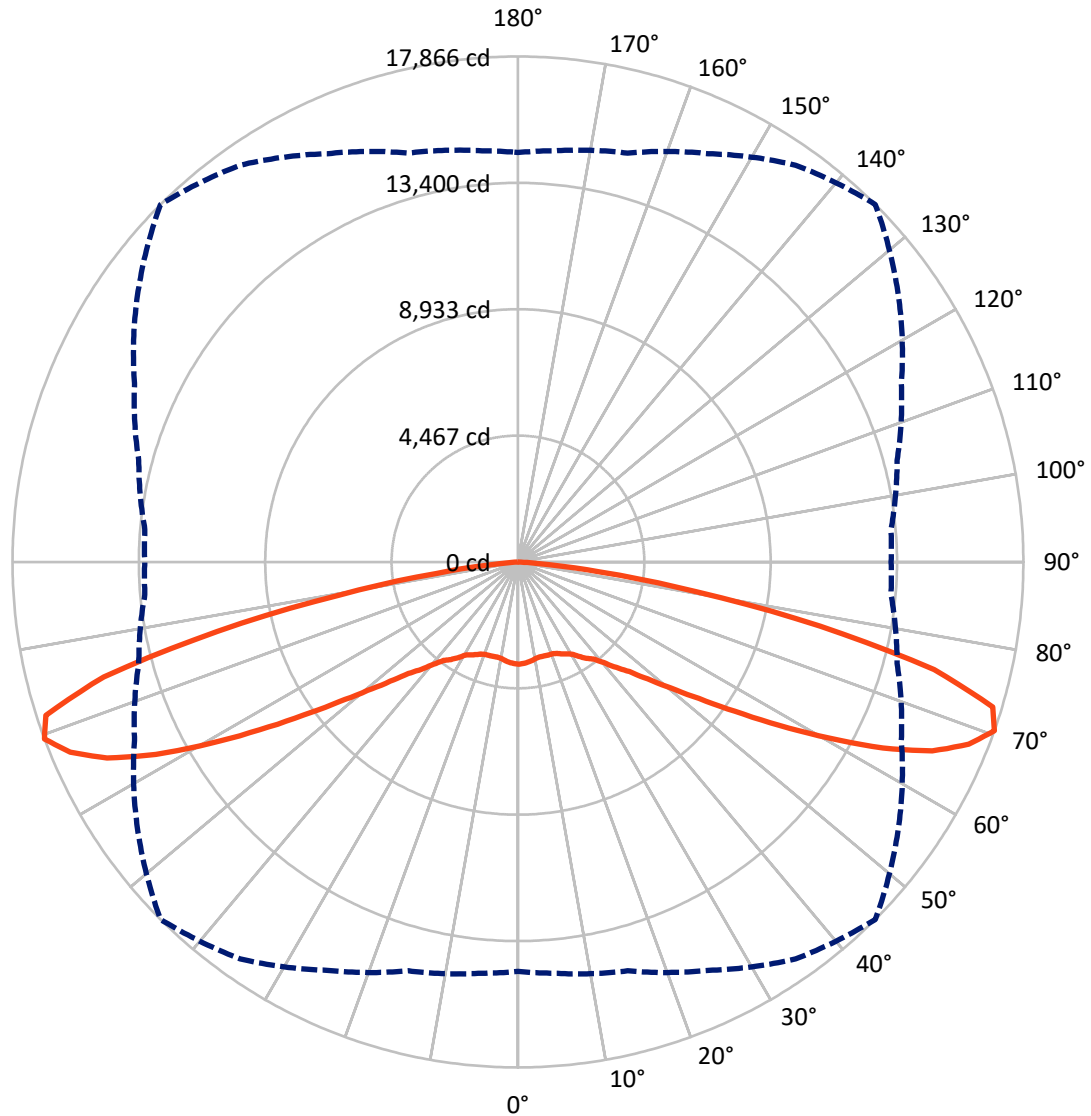
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

REPORT NUMBER: P316153  
CATALOG NUMBER: GAN-SA9A-740-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P316153  
 CATALOG NUMBER: GAN-SA9A-740-U-5WQ

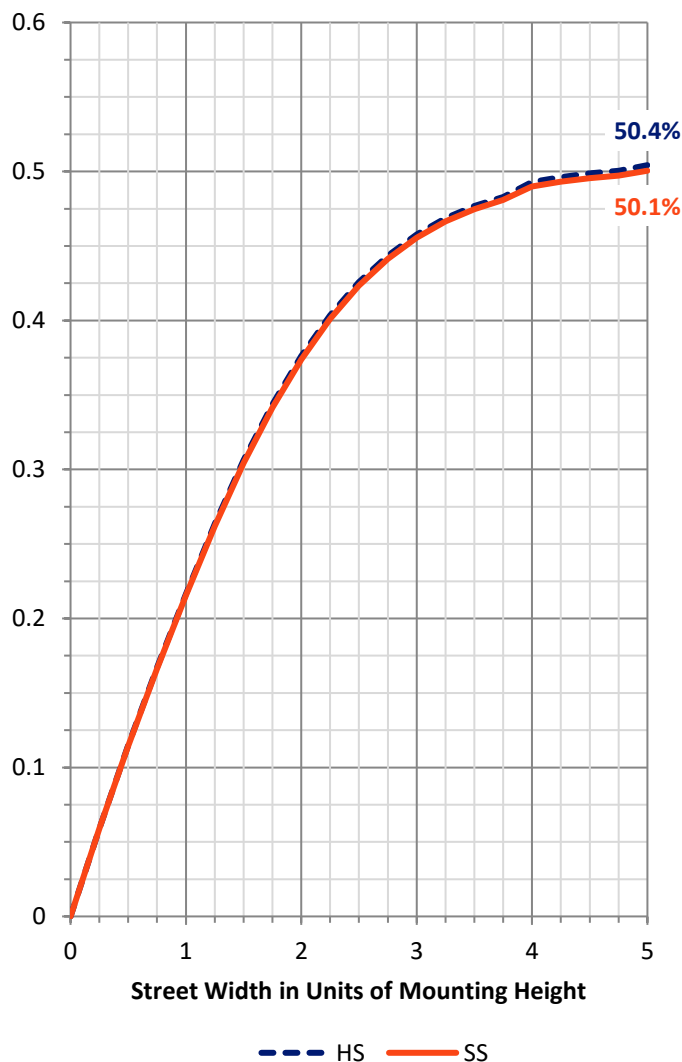
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21941.5	0.0	21941.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21941.5	0.0	21941.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43883.0	0.0	43883.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	337.1	0.8
10°-20°	984.6	2.2
20°-30°	1678.8	3.8
30°-40°	2623.1	6.0
40°-50°	4445.5	10.1
50°-60°	8106.8	18.5
60°-70°	13956.4	31.8
70°-80°	10939.6	24.9
80°-90°	811.2	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°	43883.0	100.0
0°-180°	43883.0	100.0

**Coefficient of Utilization**

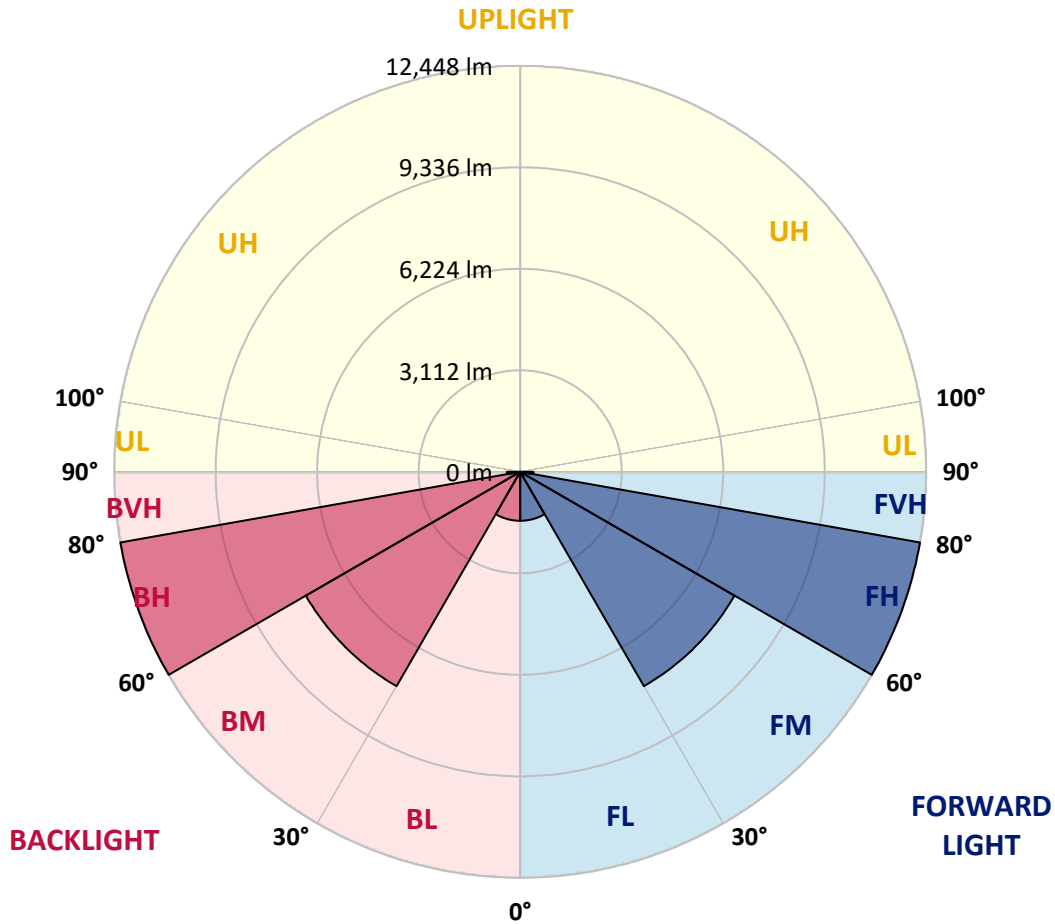


REPORT NUMBER: P316153  
 CATALOG NUMBER: GAN-SA9A-740-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1500.2	3.4			
FM (30°-60°)	7587.7	17.3			
FH (60°-80°)	12448.0	28.4			G5
FVH (80°-90°)	405.6	0.9			G3/500
BL (0°-30°)	1500.2	3.4	B3/2500		
BM (30°-60°)	7587.7	17.3	B4/8500		
BH (60°-80°)	12448.0	28.4	B5		G5
BVH (80°-90°)	405.6	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-G5**  
 Type V Short





REPORT NUMBER: P316153

CATALOG NUMBER: GAN-SA9A-740-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6	3611.6
2.5°	3595.6	3600.0	3595.6	3598.5	3591.3	3594.2	3594.2	3594.2	3592.7	3594.2	3591.3
5°	3563.7	3566.6	3560.8	3563.7	3559.3	3563.7	3565.1	3563.7	3560.8	3562.2	3556.4
7.5°	3515.8	3518.7	3514.3	3518.7	3512.9	3520.1	3518.7	3514.3	3510.0	3510.0	3504.2
10°	3489.6	3491.1	3479.5	3475.1	3462.1	3465.0	3469.3	3473.7	3478.0	3486.7	3485.3
12.5°	3491.1	3491.1	3473.7	3454.8	3435.9	3440.3	3447.5	3463.5	3480.9	3496.9	3498.4
15°	3505.6	3504.2	3478.0	3447.5	3434.5	3447.5	3451.9	3462.1	3489.6	3517.2	3518.7
17.5°	3515.8	3515.8	3475.1	3440.3	3438.8	3459.2	3457.7	3462.1	3492.5	3533.2	3534.6
20°	3534.6	3534.6	3482.4	3444.6	3444.6	3466.4	3467.9	3475.1	3505.6	3550.6	3557.9
22.5°	3576.7	3578.2	3523.0	3492.5	3495.4	3508.5	3512.9	3524.5	3552.1	3601.4	3610.1
25°	3636.3	3639.2	3582.5	3565.1	3575.3	3600.0	3597.1	3605.8	3636.3	3684.2	3692.9
27.5°	3719.0	3711.7	3659.5	3652.2	3662.4	3679.8	3678.4	3679.8	3704.5	3748.0	3758.2
30°	3826.4	3823.5	3785.8	3790.1	3785.8	3780.0	3781.4	3793.0	3806.1	3840.9	3851.1
32.5°	3930.9	3933.8	3910.6	3932.4	3964.3	3986.1	3952.7	3920.8	3906.3	3925.1	3933.8
35°	4119.6	4126.9	4090.6	4076.1	4119.6	4183.5	4089.2	4036.9	4065.9	4090.6	4097.9
37.5°	4440.4	4444.8	4383.8	4325.8	4293.8	4354.8	4260.4	4264.8	4366.4	4412.9	4411.4
40°	4806.2	4807.7	4767.0	4716.2	4661.1	4675.6	4637.9	4649.5	4716.2	4758.3	4770.0
42.5°	5241.7	5237.4	5173.5	5100.9	5084.9	5099.5	5035.6	5026.9	5103.8	5179.3	5180.8
45°	5806.4	5796.2	5713.5	5633.7	5556.7	5524.8	5508.8	5550.9	5656.9	5726.6	5728.0
47.5°	6414.6	6387.0	6343.5	6279.6	6212.8	6180.9	6154.8	6175.1	6252.0	6279.6	6282.5
50°	7040.3	7046.1	7054.8	7030.1	7005.4	6995.3	6927.0	6887.8	6911.1	6860.3	6853.0
52.5°	7782.0	7793.6	7877.8	7949.0	7991.0	8012.8	7883.6	7748.6	7673.1	7574.4	7545.4
55°	8657.3	8676.2	8799.6	8997.0	9200.2	9307.6	9073.9	8821.4	8587.7	8403.3	8343.8
57.5°	9632.8	9666.2	9836.0	10214.9	10631.5	10885.5	10490.7	10032.0	9580.5	9314.9	9268.5
60°	10776.7	10808.6	11043.8	11586.7	12261.7	12643.4	12045.4	11294.9	10733.1	10479.1	10393.4
62.5°	12138.3	12141.2	12430.0	13064.4	13955.7	14487.0	13677.0	12673.9	12094.7	11788.4	11705.7
65°	13602.9	13610.2	13909.2	14594.4	15516.1	16093.9	15179.4	14134.2	13425.8	12974.4	12910.5
67.5°	14637.9	14668.4	14983.4	15807.9	16670.2	17191.3	16244.8	15063.2	14244.5	13706.0	13652.3
70°	14472.4	14591.5	14961.6	15924.0	17123.1	17866.3	16417.6	14952.9	13872.9	13237.1	13192.1
72.5°	12621.6	12849.5	13343.1	14606.0	16523.5	17546.9	15475.5	13392.4	12170.2	11628.8	11547.5
75°	8594.9	8965.1	9709.7	11531.5	14116.8	15192.4	13028.1	10678.0	9528.3	8779.3	8724.1
77.5°	3832.2	3916.4	4860.0	6957.5	9741.7	10910.2	9465.9	6985.1	5243.2	4182.1	3958.5
80°	1068.4	1081.4	1442.9	2591.1	4875.9	6410.3	5234.5	2721.7	1530.0	1078.5	1016.1
82.5°	339.7	368.7	450.0	672.1	1638.9	2925.0	1682.4	725.8	516.8	412.3	371.6
85°	165.5	164.0	227.9	272.9	418.1	647.4	445.6	336.8	294.7	196.0	177.1
87.5°	69.7	71.1	106.0	95.8	121.9	104.5	143.7	151.0	158.2	87.1	75.5
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)