

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: P383216

Luminaire Tested: **GAN-SA5C-735-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383216  
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-SA5C-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34687.1 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

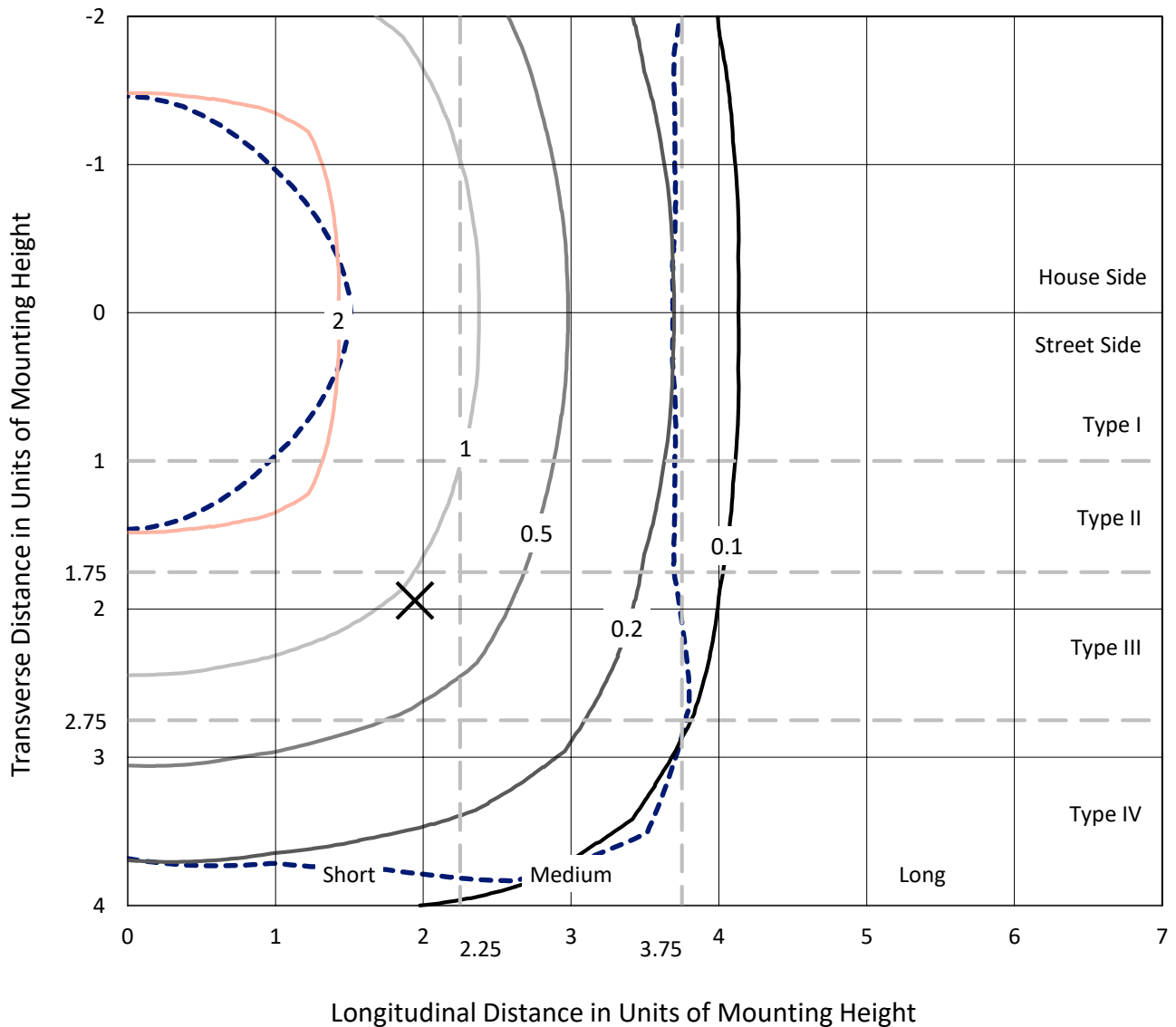
Input Watts (W): 279  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P383216  
 CATALOG NUMBER: GAN-SA5C-735-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

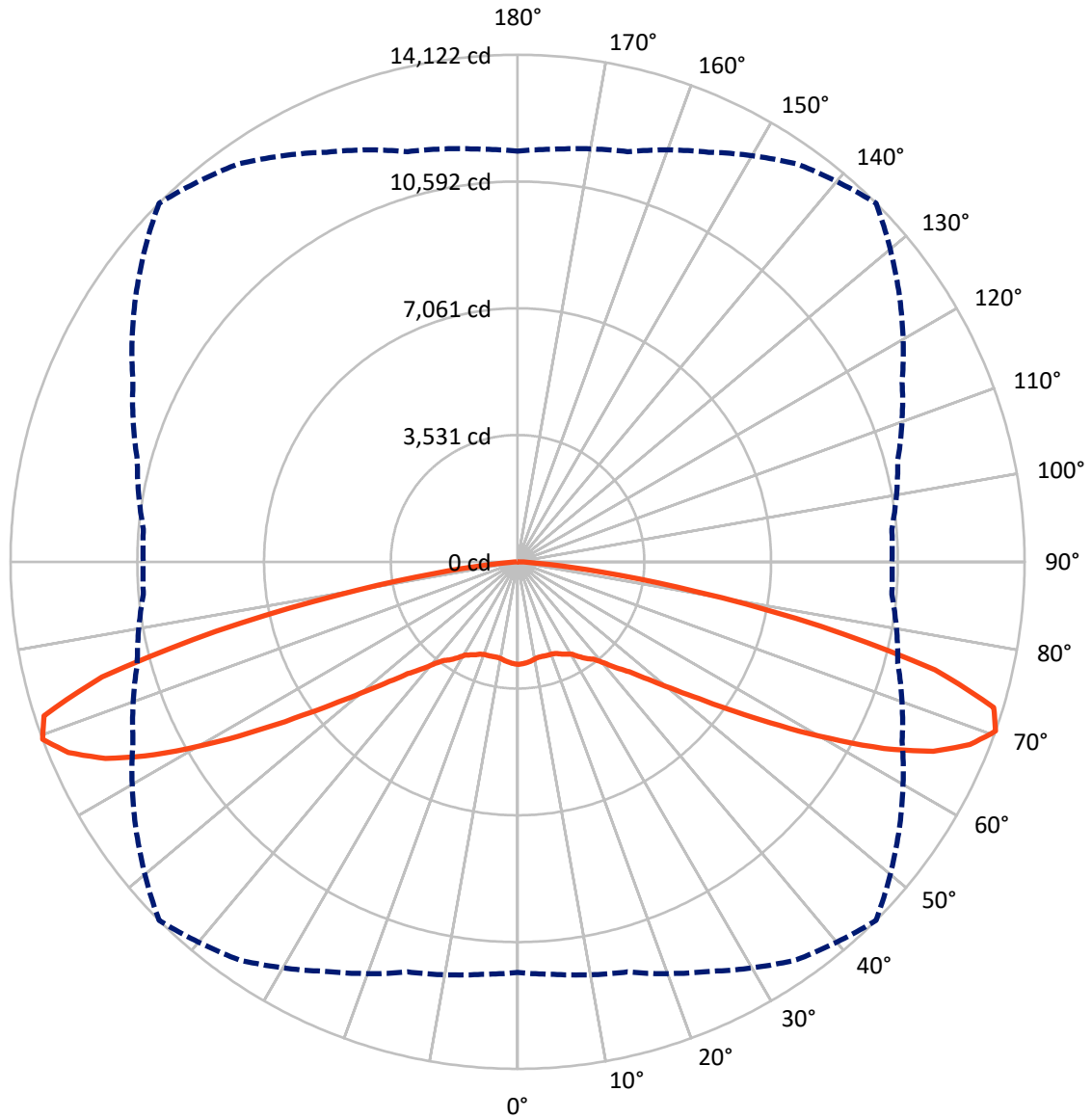
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P383216  
CATALOG NUMBER: GAN-SA5C-735-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P383216  
 CATALOG NUMBER: GAN-SA5C-735-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17343.6	0.0	17343.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17343.6	0.0	17343.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34687.1	0.0	34687.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.4	0.8
10°-20°	778.3	2.2
20°-30°	1327.0	3.8
30°-40°	2073.4	6.0
40°-50°	3514.0	10.1
50°-60°	6408.0	18.5
60°-70°	11031.8	31.8
70°-80°	8647.1	24.9
80°-90°	641.2	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°	34687.1	100.0
0°-180°	34687.1	100.0

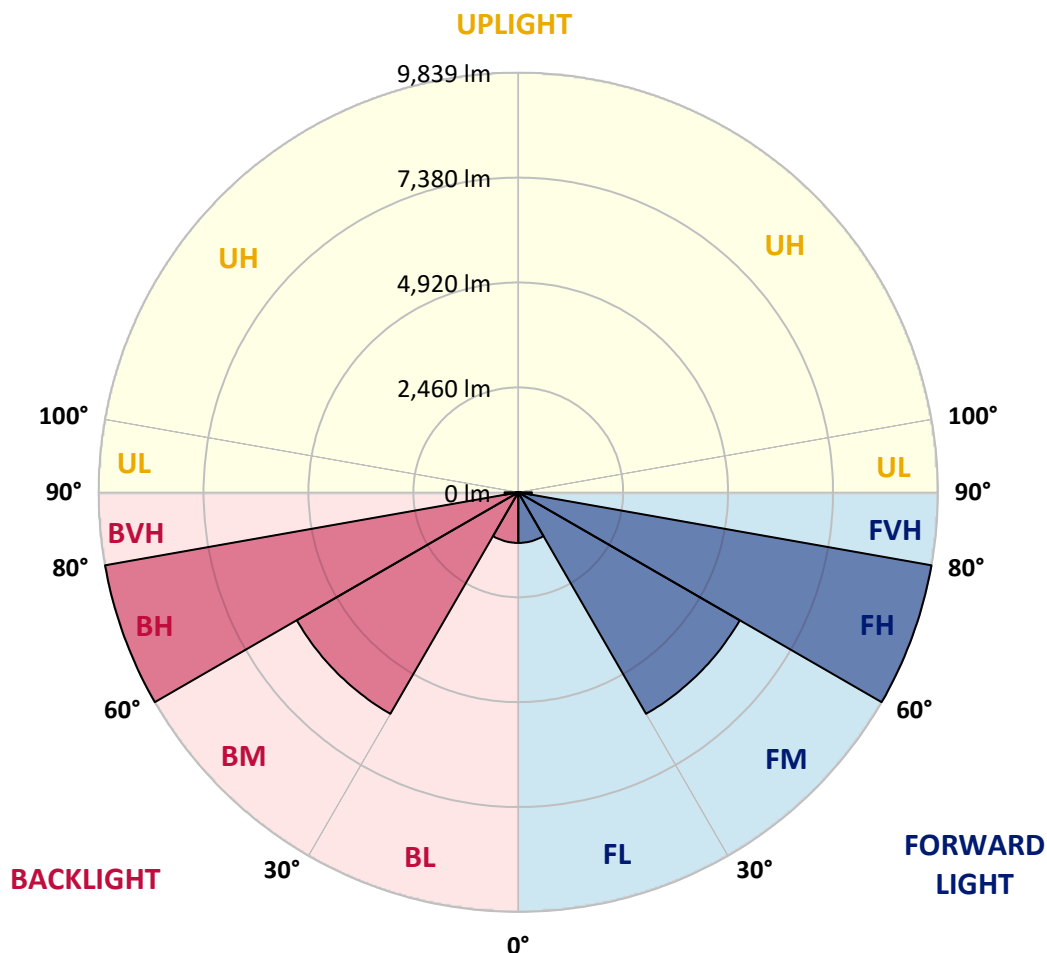


REPORT NUMBER: P383216  
 CATALOG NUMBER: GAN-SA5C-735-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1185.8	3.4			
FM (30°-60°)	5997.7	17.3			
FH (60°-80°)	9839.4	28.4			G4/12000
FVH (80°-90°)	320.6	0.9			G3/500
BL (0°-30°)	1185.8	3.4	B3/2500		
BM (30°-60°)	5997.7	17.3	B4/8500		
BH (60°-80°)	9839.4	28.4	B5		G4/12000
BVH (80°-90°)	320.6	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





REPORT NUMBER: P383216  
 CATALOG NUMBER: GAN-SA5C-735-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7
2.5°	2842.2	2845.6	2842.2	2844.4	2838.7	2840.9	2840.9	2840.9	2839.8	2840.9	2838.7
5°	2816.9	2819.1	2814.6	2816.9	2813.5	2816.9	2818.0	2816.9	2814.6	2815.7	2811.1
7.5°	2779.0	2781.3	2777.9	2781.3	2776.8	2782.4	2781.3	2777.9	2774.4	2774.4	2769.9
10°	2758.4	2759.5	2750.3	2746.9	2736.6	2738.8	2742.3	2745.7	2749.2	2756.1	2755.0
12.5°	2759.5	2759.5	2745.7	2730.8	2715.9	2719.4	2725.1	2737.7	2751.5	2764.1	2765.3
15°	2771.0	2769.9	2749.2	2725.1	2714.8	2725.1	2728.5	2736.6	2758.4	2780.2	2781.3
17.5°	2779.0	2779.0	2746.9	2719.4	2718.3	2734.3	2733.2	2736.6	2760.6	2792.8	2793.9
20°	2793.9	2793.9	2752.6	2722.8	2722.8	2740.1	2741.2	2746.9	2771.0	2806.6	2812.3
22.5°	2827.2	2828.4	2784.8	2760.6	2763.0	2773.3	2776.8	2785.9	2807.7	2846.7	2853.6
25°	2874.3	2876.5	2831.8	2818.0	2826.0	2845.6	2843.3	2850.2	2874.3	2912.1	2919.0
27.5°	2939.7	2933.9	2892.6	2886.9	2894.9	2908.7	2907.5	2908.7	2928.2	2962.6	2970.6
30°	3024.5	3022.3	2992.4	2995.9	2992.4	2987.8	2989.0	2998.2	3008.5	3036.0	3044.1
32.5°	3107.2	3109.5	3091.2	3108.3	3133.5	3150.8	3124.4	3099.2	3087.7	3102.6	3109.5
35°	3256.3	3262.1	3233.4	3221.9	3256.3	3306.8	3232.3	3190.9	3213.9	3233.4	3239.2
37.5°	3509.9	3513.3	3465.2	3419.2	3394.0	3442.3	3367.6	3371.1	3451.4	3488.1	3487.0
40°	3799.0	3800.2	3768.1	3728.0	3684.4	3695.8	3666.0	3675.1	3728.0	3761.2	3770.3
42.5°	4143.3	4139.9	4089.4	4032.0	4019.3	4030.8	3980.3	3973.5	4034.3	4094.0	4095.1
45°	4589.6	4581.6	4516.2	4453.1	4392.2	4367.0	4354.4	4387.7	4471.4	4526.5	4527.7
47.5°	5070.4	5048.6	5014.1	4963.7	4910.9	4885.7	4865.0	4881.1	4941.9	4963.7	4966.0
50°	5565.0	5569.5	5576.4	5556.9	5537.4	5529.4	5475.5	5444.4	5462.8	5422.6	5416.9
52.5°	6151.3	6160.4	6227.0	6283.2	6316.5	6333.7	6231.6	6124.8	6065.2	5987.1	5964.2
55°	6843.1	6858.1	6955.6	7111.6	7272.3	7357.2	7172.5	6972.8	6788.1	6642.3	6595.3
57.5°	7614.2	7640.6	7774.9	8074.3	8403.6	8604.4	8292.4	7929.7	7572.9	7363.0	7326.2
60°	8518.4	8543.6	8729.5	9158.6	9692.2	9993.9	9521.2	8928.0	8484.0	8283.1	8215.4
62.5°	9594.7	9596.9	9825.2	10326.7	11031.2	11451.1	10810.9	10018.0	9560.2	9318.1	9252.7
65°	10752.4	10758.1	10994.5	11536.0	12264.7	12721.3	11998.4	11172.3	10612.4	10255.5	10205.0
67.5°	11570.5	11594.6	11843.5	12495.3	13176.8	13588.8	12840.6	11906.7	11259.5	10833.8	10791.4
70°	11439.7	11533.8	11826.4	12587.1	13534.8	14122.4	12977.2	11819.5	10965.8	10463.2	10427.7
72.5°	9976.7	10156.8	10547.0	11545.2	13060.9	13869.9	12232.5	10586.0	9619.9	9191.9	9127.7
75°	6793.8	7086.4	7675.0	9115.0	11158.5	12008.8	10298.0	8440.4	7531.6	6939.6	6896.0
77.5°	3029.1	3095.7	3841.5	5499.6	7700.3	8623.9	7482.3	5521.4	4144.5	3305.7	3129.0
80°	844.4	854.8	1140.5	2048.1	3854.2	5067.0	4137.6	2151.4	1209.3	852.6	803.2
82.5°	268.5	291.5	355.7	531.3	1295.4	2312.0	1329.9	573.7	408.5	325.9	293.7
85°	130.8	129.7	180.2	215.7	330.4	511.7	352.2	266.2	232.9	154.9	140.0
87.5°	55.1	56.3	83.7	75.7	96.4	82.6	113.6	119.3	125.1	68.8	59.6
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)