

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: P316112

Luminaire Tested: **GAN-SA8A-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316112  
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-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 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: 35825 lumens  
Efficiency: N/A  
Efficacy: 139.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

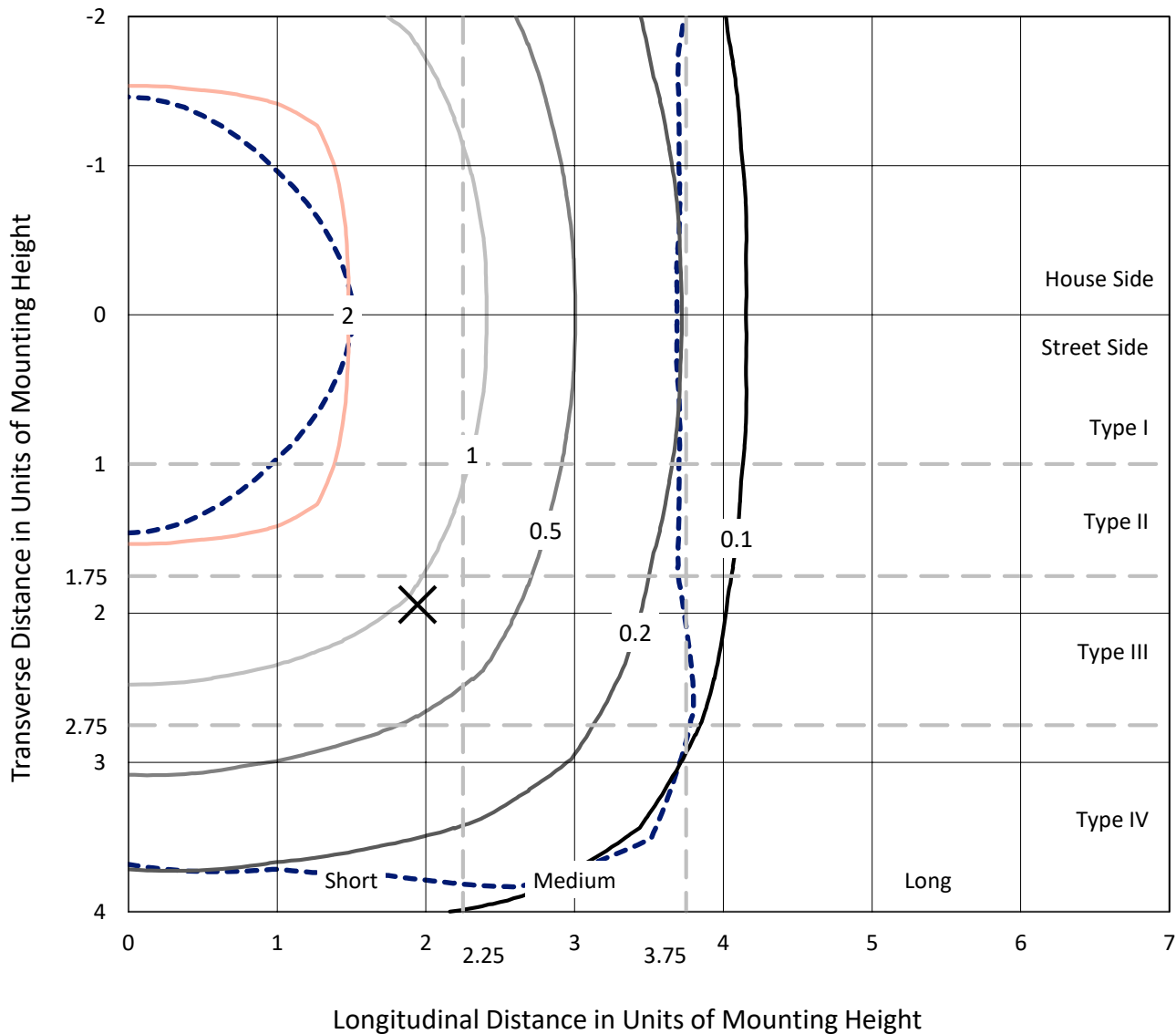
Input Watts (W): 257  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

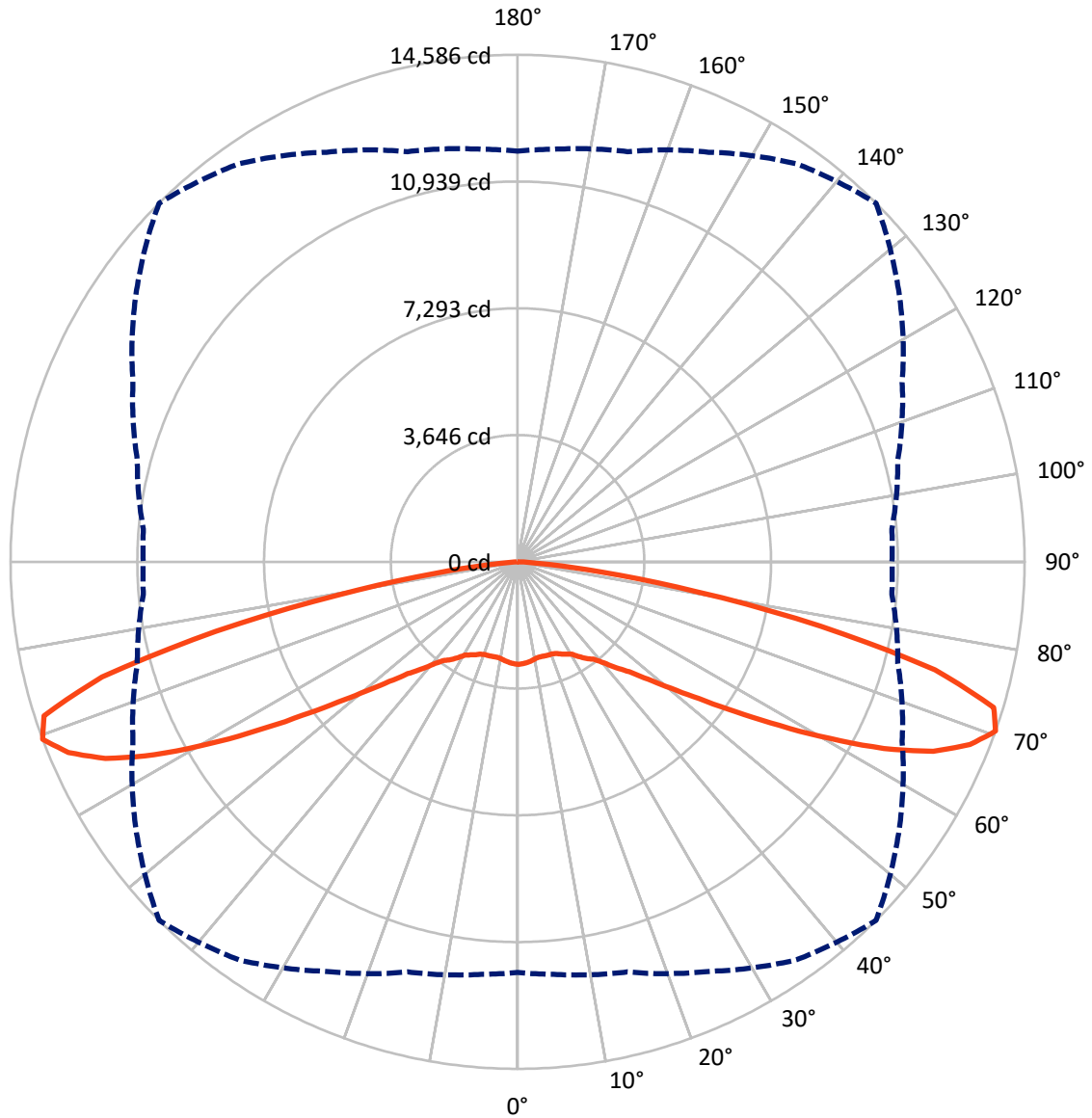
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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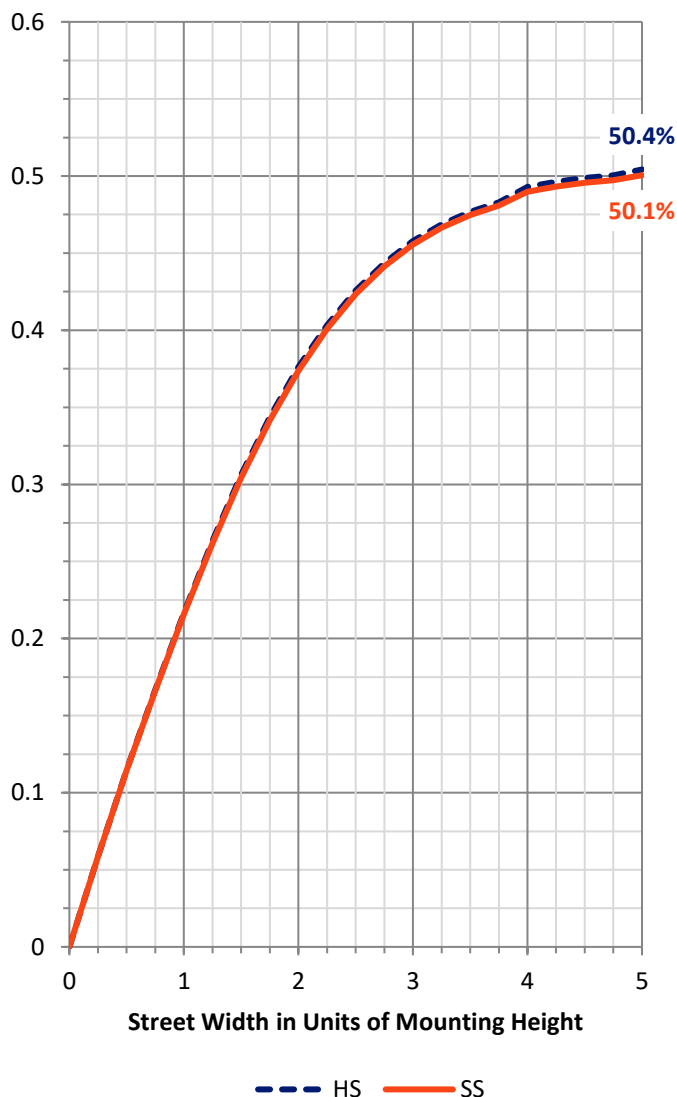
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17912.5	0.0	17912.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17912.5	0.0	17912.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35825.0	0.0	35825.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.2	0.8
10°-20°	803.8	2.2
20°-30°	1370.5	3.8
30°-40°	2141.4	6.0
40°-50°	3629.2	10.1
50°-60°	6618.2	18.5
60°-70°	11393.7	31.8
70°-80°	8930.8	24.9
80°-90°	662.2	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°	35825.0	100.0
0°-180°	35825.0	100.0

**Coefficient of Utilization**



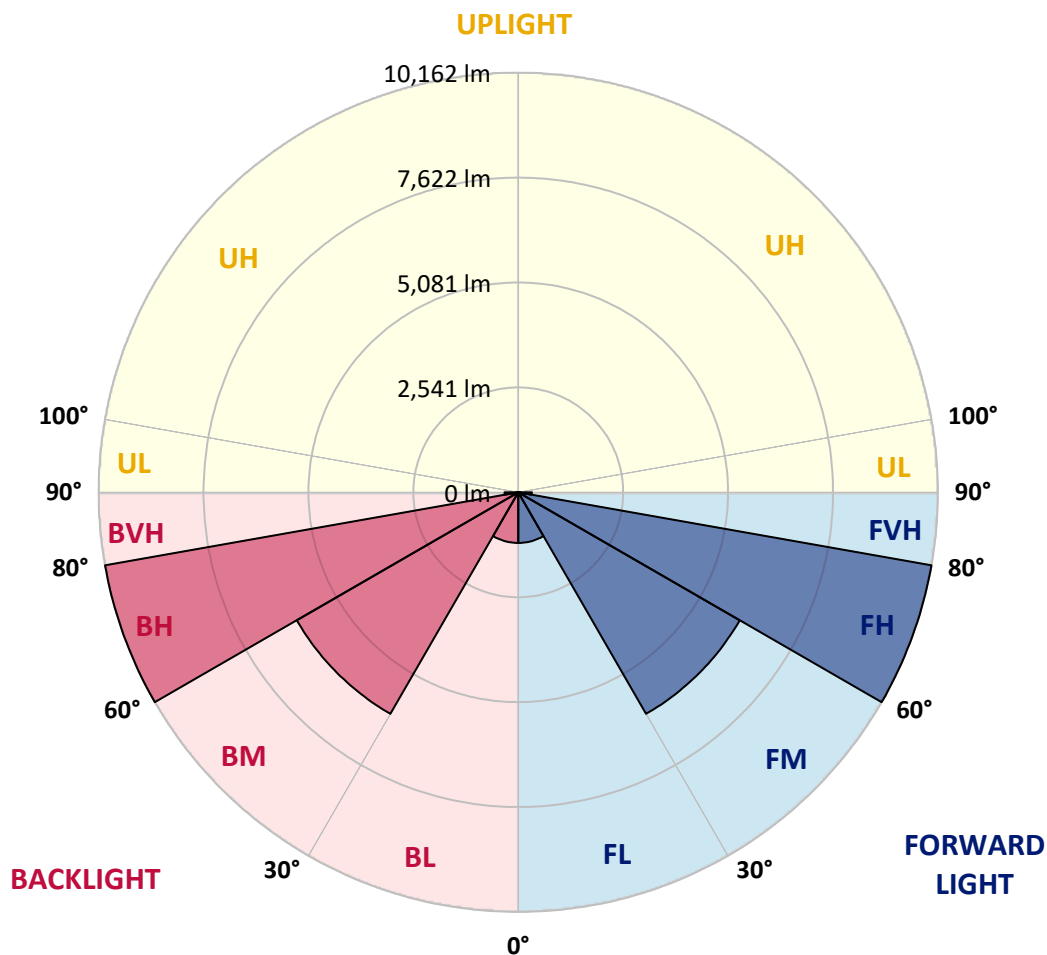
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1224.7	3.4			
FM (30°-60°)	6194.4	17.3			
FH (60°-80°)	10162.2	28.4			G4/12000
FVH (80°-90°)	331.1	0.9			G3/500
BL (0°-30°)	1224.7	3.4	B3/2500		
BM (30°-60°)	6194.4	17.3	B4/8500		
BH (60°-80°)	10162.2	28.4	B5		G4/12000
BVH (80°-90°)	331.1	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°	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4
2.5°	2935.4	2938.9	2935.4	2937.7	2931.8	2934.2	2934.2	2934.2	2933.0	2934.2	2931.8
5°	2909.3	2911.7	2906.9	2909.3	2905.7	2909.3	2910.5	2909.3	2906.9	2908.1	2903.4
7.5°	2870.2	2872.6	2869.0	2872.6	2867.8	2873.7	2872.6	2869.0	2865.4	2865.4	2860.7
10°	2848.9	2850.0	2840.6	2837.0	2826.3	2828.7	2832.3	2835.8	2839.4	2846.5	2845.3
12.5°	2850.0	2850.0	2835.8	2820.4	2805.0	2808.6	2814.5	2827.5	2841.7	2854.8	2856.0
15°	2861.9	2860.7	2839.4	2814.5	2803.8	2814.5	2818.0	2826.3	2848.9	2871.4	2872.6
17.5°	2870.2	2870.2	2837.0	2808.6	2807.4	2824.0	2822.8	2826.3	2851.2	2884.4	2885.6
20°	2885.6	2885.6	2842.9	2812.1	2812.1	2829.9	2831.1	2837.0	2861.9	2898.6	2904.6
22.5°	2920.0	2921.1	2876.1	2851.2	2853.6	2864.3	2867.8	2877.3	2899.8	2940.1	2947.2
25°	2968.5	2970.9	2924.7	2910.5	2918.8	2938.9	2936.6	2943.7	2968.5	3007.7	3014.8
27.5°	3036.1	3030.2	2987.5	2981.6	2989.9	3004.1	3002.9	3004.1	3024.2	3059.8	3068.1
30°	3123.8	3121.4	3090.6	3094.2	3090.6	3085.9	3087.1	3096.5	3107.2	3135.6	3143.9
32.5°	3209.1	3211.5	3192.5	3210.3	3236.4	3254.1	3226.9	3200.8	3189.0	3204.4	3211.5
35°	3363.2	3369.1	3339.5	3327.6	3363.2	3415.3	3338.3	3295.6	3319.3	3339.5	3345.4
37.5°	3625.1	3628.6	3578.8	3531.4	3505.4	3555.1	3478.1	3481.7	3564.6	3602.5	3601.4
40°	3923.7	3924.9	3891.7	3850.2	3805.2	3817.0	3786.2	3795.7	3850.2	3884.6	3894.1
42.5°	4279.2	4275.7	4223.5	4164.3	4151.2	4163.1	4110.9	4103.8	4166.6	4228.3	4229.4
45°	4740.2	4731.9	4664.4	4599.2	4536.4	4510.3	4497.3	4531.6	4618.1	4675.0	4676.2
47.5°	5236.7	5214.2	5178.7	5126.5	5072.0	5045.9	5024.6	5041.2	5104.0	5126.5	5128.9
50°	5747.5	5752.2	5759.3	5739.2	5719.0	5710.8	5655.1	5623.1	5642.0	5600.5	5594.6
52.5°	6353.0	6362.5	6431.3	6489.3	6523.7	6541.5	6436.0	6325.8	6264.2	6183.6	6159.9
55°	7067.6	7083.0	7183.8	7344.9	7510.8	7598.5	7407.7	7201.5	7010.8	6860.2	6811.7
57.5°	7864.0	7891.2	8029.9	8339.2	8679.3	8886.7	8564.4	8189.9	7821.3	7604.5	7566.5
60°	8797.8	8823.9	9015.9	9459.1	10010.1	10321.8	9833.5	9220.9	8762.3	8554.9	8485.0
62.5°	9909.4	9911.8	10147.6	10665.4	11393.1	11826.8	11165.5	10346.7	9873.8	9623.8	9556.2
65°	11105.1	11111.0	11355.1	11914.5	12667.0	13138.6	12392.1	11538.8	10960.5	10592.0	10539.8
67.5°	11950.0	11974.9	12232.1	12905.2	13609.1	14034.5	13261.9	12297.3	11628.9	11189.2	11145.4
70°	11814.9	11912.1	12214.3	13000.0	13978.8	14585.6	13402.9	12207.2	11325.5	10806.5	10769.7
72.5°	10304.0	10490.1	10893.0	11924.0	13489.4	14324.9	12633.8	10933.3	9935.5	9493.4	9427.1
75°	7016.7	7318.9	7926.8	9414.0	11524.6	12402.7	10635.8	8717.2	7778.7	7167.2	7122.1
77.5°	3128.5	3197.3	3967.5	5679.9	7952.9	8906.8	7727.7	5702.5	4280.4	3414.1	3231.6
80°	872.2	882.9	1177.9	2115.3	3980.6	5233.2	4273.3	2222.0	1249.0	880.5	829.5
82.5°	277.3	301.0	367.4	548.7	1337.9	2387.9	1373.5	592.5	421.9	336.6	303.4
85°	135.1	133.9	186.1	222.8	341.3	528.5	363.8	274.9	240.6	160.0	144.6
87.5°	56.9	58.1	86.5	78.2	99.5	85.3	117.3	123.2	129.2	71.1	61.6
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)