

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: P316430

Luminaire Tested: **GAN-SA6A-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6A-730-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26665 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

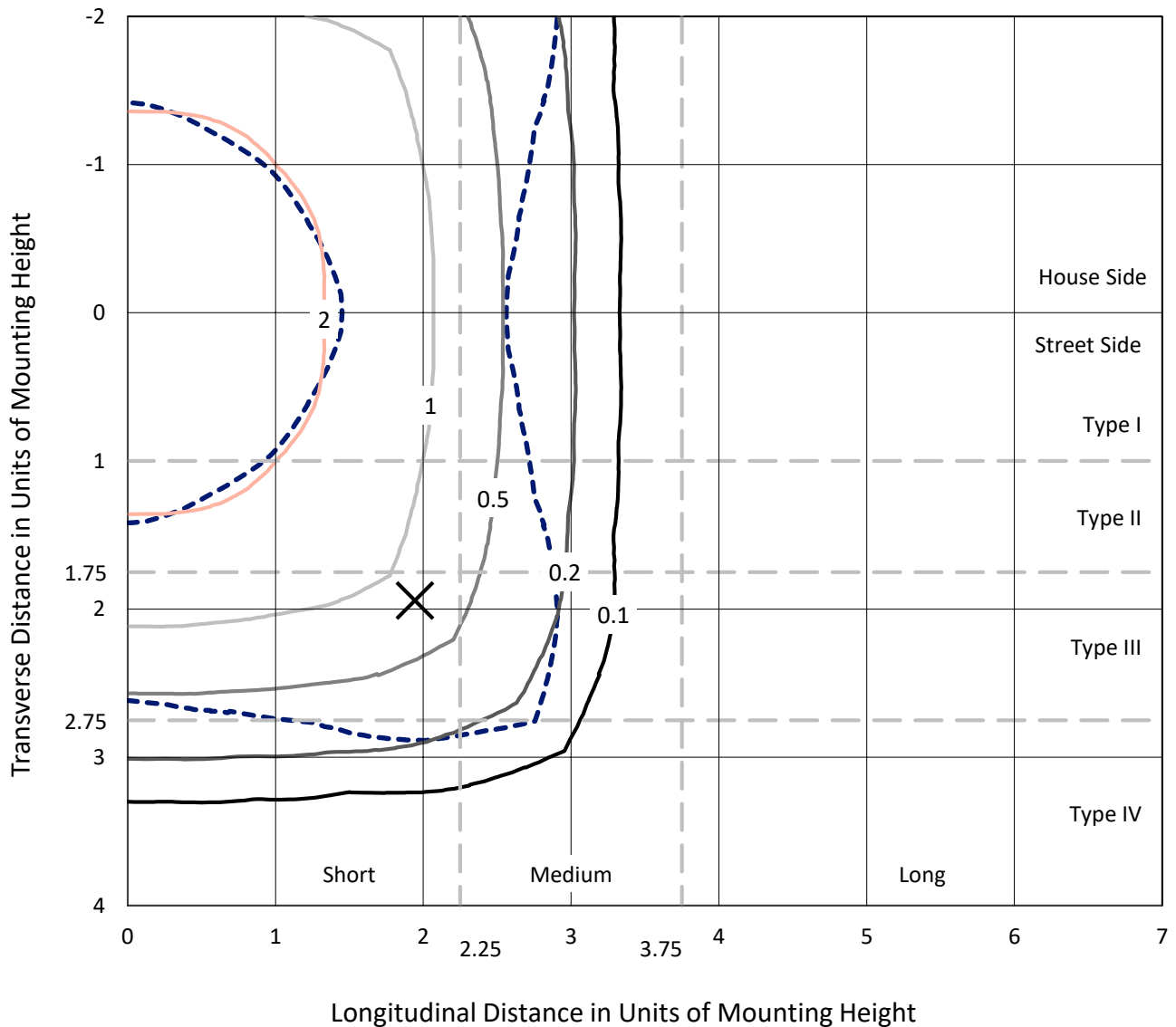
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

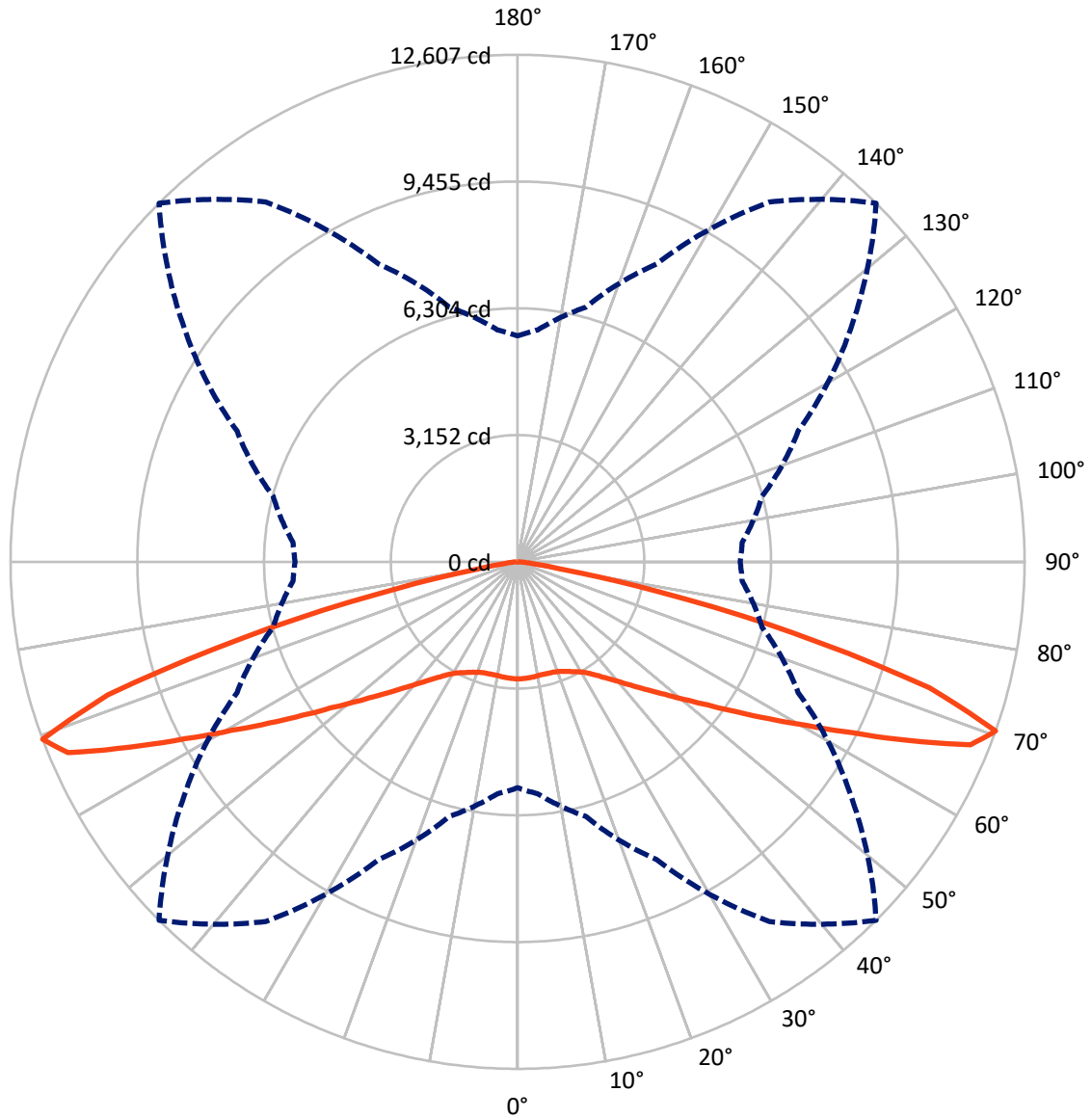
✕ Max cd  
 - - - 1/2 Max cd



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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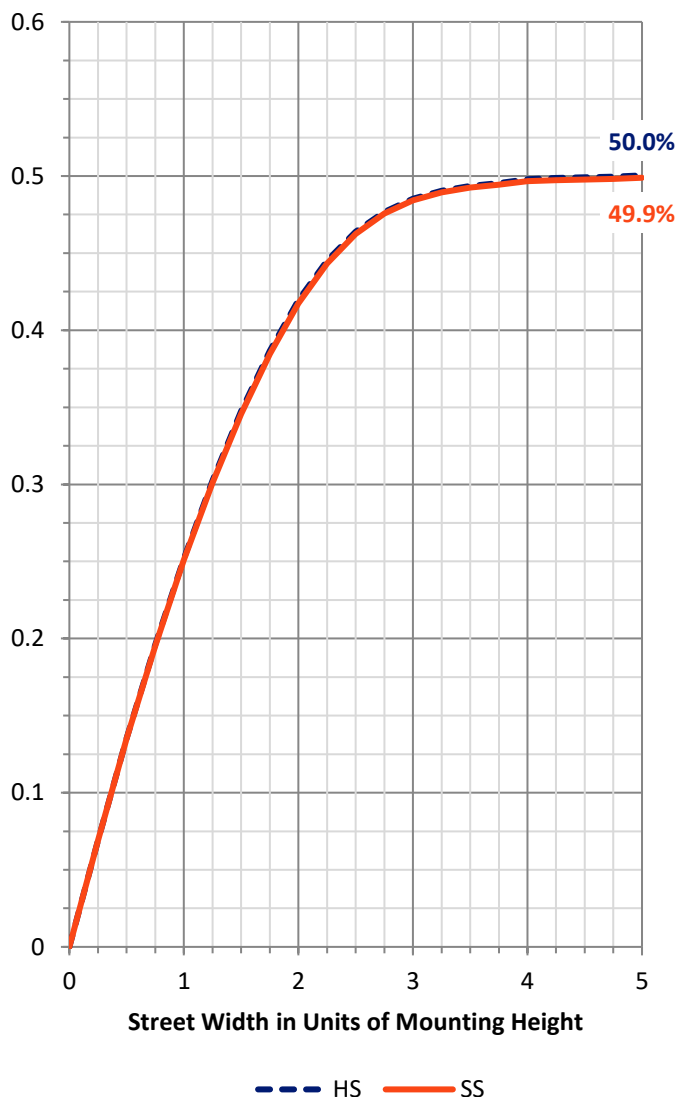
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13332.5	0.0	13332.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13332.5	0.0	13332.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26665.0	0.0	26665.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.8	1.0
10°-20°	809.7	3.0
20°-30°	1378.4	5.2
30°-40°	2186.2	8.2
40°-50°	3557.6	13.3
50°-60°	5865.8	22.0
60°-70°	8611.2	32.3
70°-80°	3807.8	14.3
80°-90°	172.4	0.6
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°	26665.0	100.0
0°-180°	26665.0	100.0

**Coefficient of Utilization**



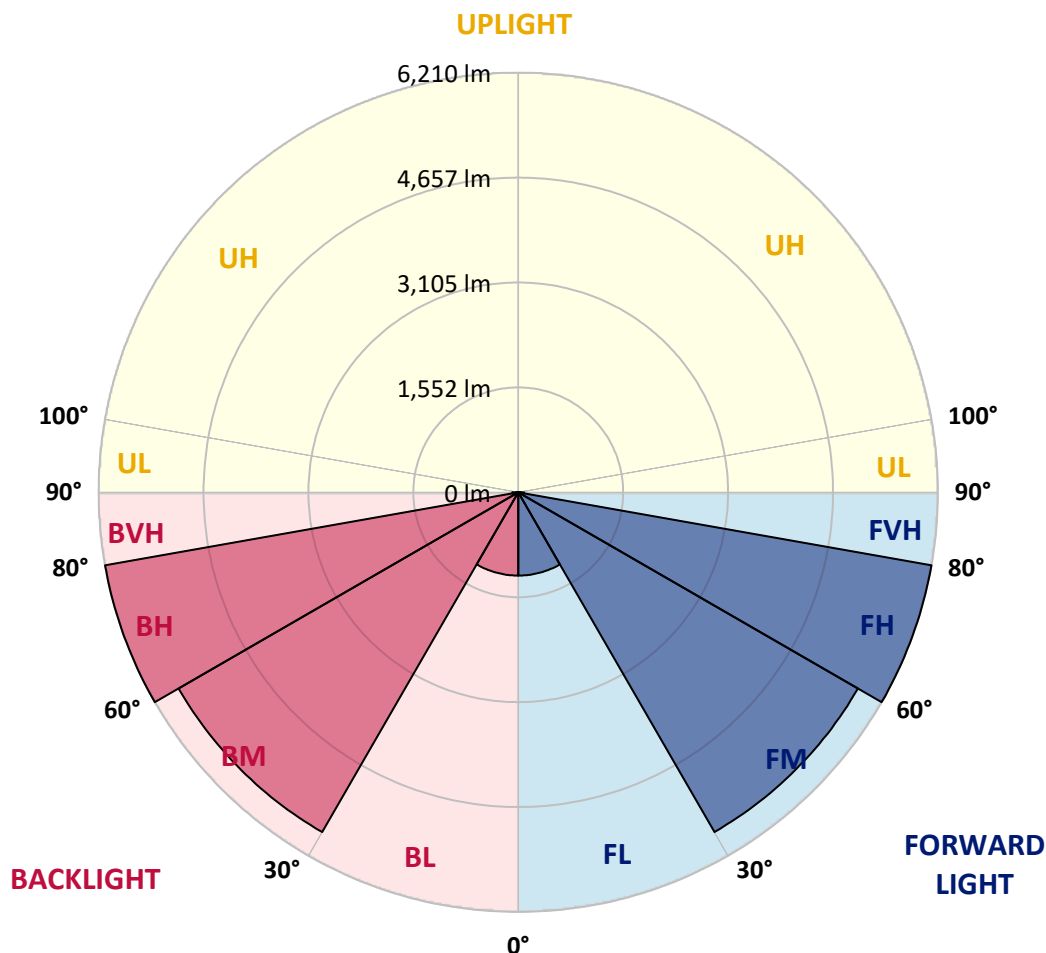
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1232.0	4.6			
FM (30°-60°)	5804.8	21.8			
FH (60°-80°)	6209.5	23.3			G3/7500
FVH (80°-90°)	86.2	0.3			G1/100
BL (0°-30°)	1232.0	4.6	B3/2500		
BM (30°-60°)	5804.8	21.8	B4/8500		
BH (60°-80°)	6209.5	23.3	B5		G3/7500
BVH (80°-90°)	86.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2912.2	2912.2	2912.2	2912.2	2912.2	2912.2	2912.2	2912.2	2912.2	2912.2	2912.2
2.5°	2907.8	2905.2	2911.4	2910.5	2905.2	2906.1	2906.1	2908.7	2908.7	2906.9	2906.9
5°	2897.2	2895.5	2902.5	2902.5	2897.2	2899.0	2900.8	2903.4	2902.5	2900.8	2899.9
7.5°	2884.0	2883.1	2890.2	2890.2	2886.6	2888.4	2886.6	2887.5	2885.8	2884.0	2881.3
10°	2861.9	2863.7	2869.9	2871.6	2871.6	2872.5	2870.8	2866.3	2863.7	2861.0	2858.4
12.5°	2841.6	2840.8	2849.6	2854.0	2861.0	2869.0	2863.7	2851.3	2846.0	2840.8	2839.0
15°	2828.4	2829.3	2838.1	2846.0	2858.4	2875.2	2869.0	2849.6	2839.0	2832.8	2831.0
17.5°	2825.7	2827.5	2839.0	2853.1	2866.3	2884.9	2881.3	2861.9	2844.3	2832.8	2830.2
20°	2831.9	2832.8	2850.5	2870.8	2893.7	2911.4	2903.4	2882.2	2858.4	2840.8	2836.3
22.5°	2843.4	2846.9	2869.0	2900.8	2936.1	2959.9	2950.2	2914.0	2876.9	2854.9	2848.7
25°	2879.6	2880.5	2910.5	2953.7	2996.1	3023.4	3012.0	2960.8	2913.1	2888.4	2880.5
27.5°	2954.6	2957.2	2987.2	3037.5	3073.7	3091.4	3084.3	3042.8	3002.2	2975.8	2978.4
30°	3063.1	3066.7	3100.2	3155.8	3177.9	3182.3	3180.5	3161.1	3124.0	3088.7	3091.4
32.5°	3195.5	3197.3	3242.3	3292.6	3310.2	3313.8	3310.2	3292.6	3248.5	3200.8	3203.5
35°	3365.8	3371.1	3414.4	3462.9	3477.0	3484.1	3477.9	3455.0	3409.1	3362.3	3360.5
37.5°	3575.9	3576.8	3621.8	3672.1	3689.7	3691.5	3684.4	3669.4	3612.1	3569.7	3567.0
40°	3819.4	3823.0	3875.9	3929.7	3936.8	3928.9	3938.6	3929.7	3870.6	3822.1	3830.0
42.5°	4116.0	4123.9	4187.4	4240.4	4220.1	4215.7	4221.9	4224.5	4176.8	4117.7	4112.4
45°	4461.0	4468.1	4547.5	4589.9	4576.6	4547.5	4559.9	4581.0	4514.8	4441.6	4448.7
47.5°	4854.6	4872.3	4957.0	4996.7	4964.0	4924.3	4948.1	4979.9	4902.3	4811.4	4806.9
50°	5292.3	5314.4	5427.3	5482.9	5450.3	5377.0	5416.8	5437.9	5325.9	5208.5	5198.8
52.5°	5759.2	5781.2	5923.3	6038.0	6016.8	5903.0	5958.6	5936.5	5807.7	5649.7	5637.4
55°	6287.8	6296.6	6450.2	6635.5	6656.7	6572.8	6569.3	6533.1	6342.5	6159.8	6151.0
57.5°	6831.4	6837.6	7036.1	7255.0	7354.7	7354.7	7255.9	7179.1	6925.8	6714.0	6692.0
60°	7418.3	7440.3	7660.1	7957.5	8190.4	8259.3	8084.5	7875.4	7600.0	7341.5	7315.9
62.5°	7940.7	7966.3	8302.5	8745.5	9119.7	9370.3	8943.2	8602.6	8101.3	7686.5	7638.0
65°	8006.9	8075.7	8565.5	9367.7	10205.2	10705.5	9886.6	9047.3	8134.0	7557.7	7508.3
67.5°	7312.4	7428.8	8090.7	9339.4	11070.0	12144.0	10489.3	8793.2	7548.0	6910.8	6856.1
70°	5618.8	5788.3	6551.6	8169.3	10920.9	12607.3	10111.6	7698.0	6293.1	5607.4	5530.6
72.5°	3082.6	3152.3	3838.9	5594.1	8755.2	10713.5	8434.0	5692.1	4173.3	3395.8	3267.0
75°	977.8	1002.5	1352.0	2289.2	4952.6	7096.1	5357.6	2794.0	1538.2	1134.0	1120.8
77.5°	434.2	436.8	488.9	668.0	1705.9	3595.3	2049.2	760.7	524.2	458.0	473.0
80°	274.5	274.5	302.7	330.9	464.2	1044.0	554.2	361.8	308.9	286.8	293.0
82.5°	131.5	145.6	196.8	211.8	255.0	351.2	284.2	236.5	206.5	153.6	143.0
85°	86.5	72.4	124.4	140.3	148.3	168.6	165.0	156.2	135.0	76.8	85.6
87.5°	38.8	37.1	64.4	59.1	55.6	42.4	63.5	78.5	75.9	37.9	37.9
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)