

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: P316129

Luminaire Tested: **GAN-SA5C-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316129
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 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: 33910 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

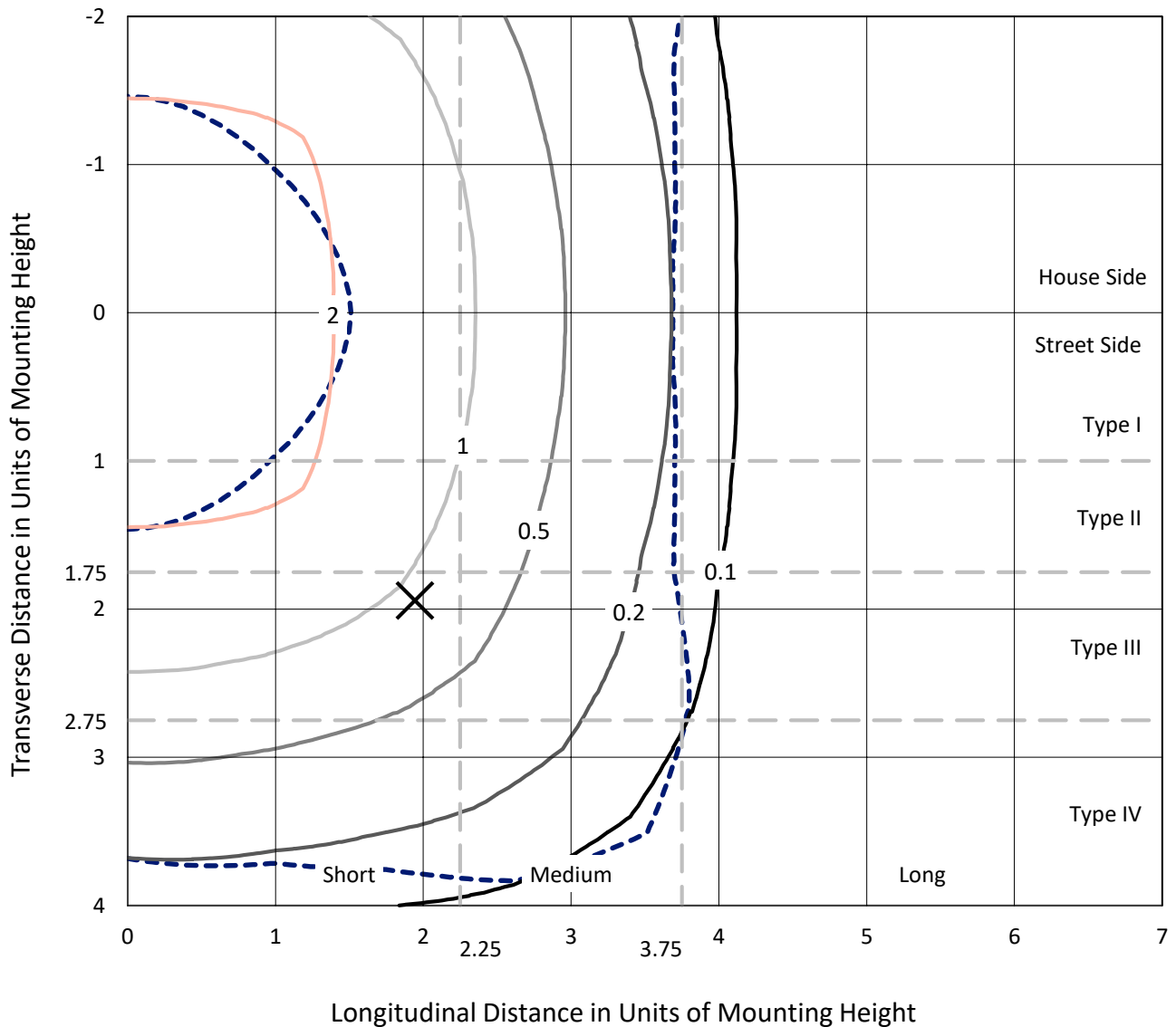
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

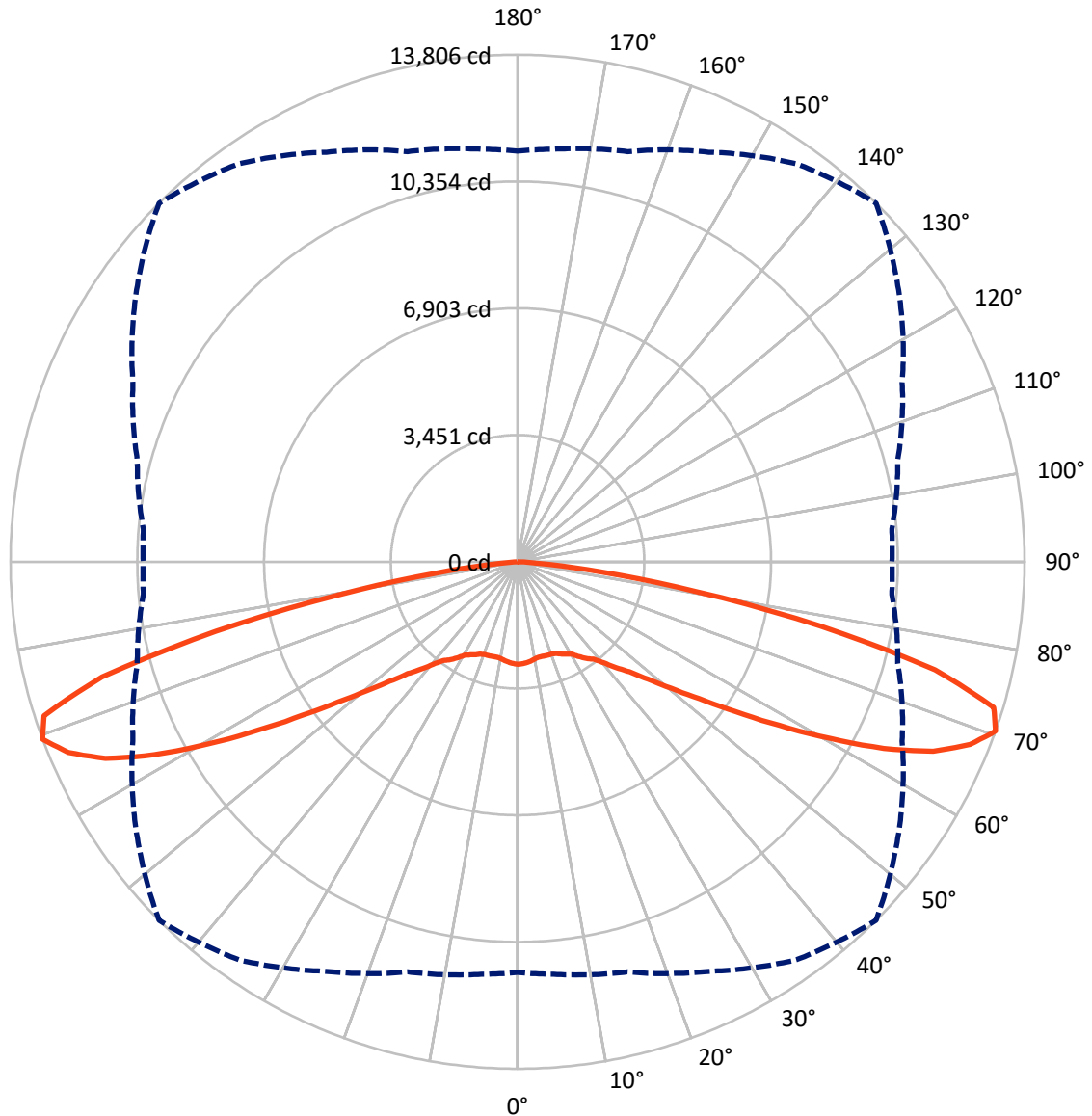
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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
House Side	Lumens	16955.0	0.0	16955.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16955.0	0.0	16955.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33910.0	0.0	33910.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.5	0.8
10°-20°	760.9	2.2
20°-30°	1297.2	3.8
30°-40°	2027.0	6.0
40°-50°	3435.2	10.1
50°-60°	6264.4	18.5
60°-70°	10784.6	31.8
70°-80°	8453.4	24.9
80°-90°	626.8	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°	33910.0	100.0
0°-180°	33910.0	100.0

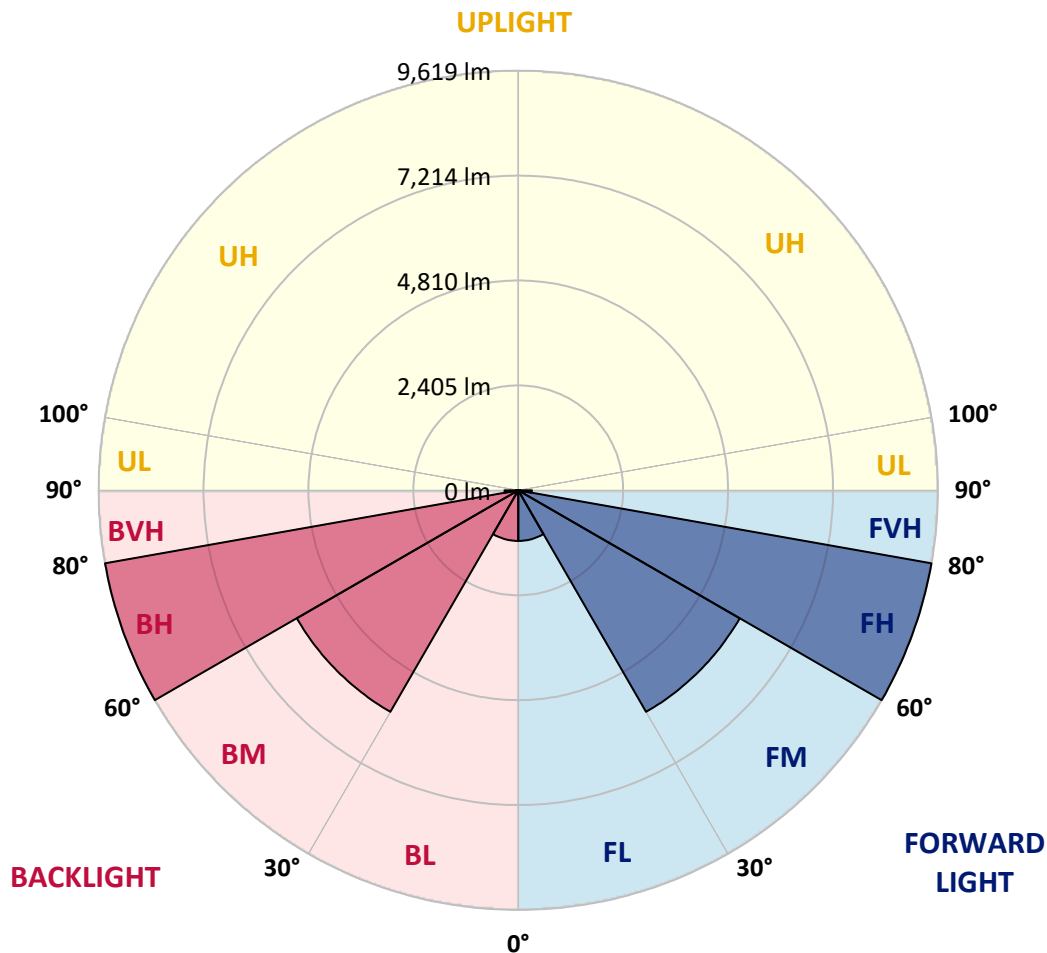


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1159.3	3.4			
FM (30°-60°)	5863.3	17.3			
FH (60°-80°)	9619.0	28.4			G4/12000
FVH (80°-90°)	313.4	0.9			G3/500
BL (0°-30°)	1159.3	3.4	B3/2500		
BM (30°-60°)	5863.3	17.3	B4/8500		
BH (60°-80°)	9619.0	28.4	B5		G4/12000
BVH (80°-90°)	313.4	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°	2790.8	2790.8	2790.8	2790.8	2790.8	2790.8	2790.8	2790.8	2790.8	2790.8	2790.8
2.5°	2778.5	2781.8	2778.5	2780.7	2775.1	2777.3	2777.3	2777.3	2776.2	2777.3	2775.1
5°	2753.8	2756.0	2751.5	2753.8	2750.4	2753.8	2754.9	2753.8	2751.5	2752.7	2748.2
7.5°	2716.8	2719.0	2715.6	2719.0	2714.5	2720.1	2719.0	2715.6	2712.3	2712.3	2707.8
10°	2696.6	2697.7	2688.7	2685.4	2675.3	2677.5	2680.9	2684.2	2687.6	2694.3	2693.2
12.5°	2697.7	2697.7	2684.2	2669.7	2655.1	2658.4	2664.0	2676.4	2689.8	2702.2	2703.3
15°	2708.9	2707.8	2687.6	2664.0	2653.9	2664.0	2667.4	2675.3	2696.6	2717.9	2719.0
17.5°	2716.8	2716.8	2685.4	2658.4	2657.3	2673.0	2671.9	2675.3	2698.8	2730.2	2731.3
20°	2731.3	2731.3	2691.0	2661.8	2661.8	2678.6	2679.7	2685.4	2708.9	2743.7	2749.3
22.5°	2763.9	2765.0	2722.4	2698.8	2701.1	2711.2	2714.5	2723.5	2744.8	2782.9	2789.7
25°	2809.9	2812.1	2768.4	2754.9	2762.8	2781.8	2779.6	2786.3	2809.9	2846.9	2853.6
27.5°	2873.8	2868.2	2827.8	2822.2	2830.1	2843.5	2842.4	2843.5	2862.6	2896.2	2904.1
30°	2956.8	2954.6	2925.4	2928.8	2925.4	2920.9	2922.0	2931.0	2941.1	2968.0	2975.9
32.5°	3037.6	3039.8	3021.9	3038.7	3063.4	3080.2	3054.4	3029.7	3018.5	3033.1	3039.8
35°	3183.4	3189.0	3161.0	3149.7	3183.4	3232.7	3159.8	3119.5	3141.9	3161.0	3166.6
37.5°	3431.3	3434.7	3387.5	3342.7	3318.0	3365.1	3292.2	3295.6	3374.1	3410.0	3408.9
40°	3714.0	3715.1	3683.7	3644.4	3601.8	3613.0	3583.8	3592.8	3644.4	3676.9	3685.9
42.5°	4050.5	4047.1	3997.8	3941.7	3929.3	3940.5	3891.2	3884.5	3943.9	4002.2	4003.4
45°	4486.8	4479.0	4415.0	4353.3	4293.9	4269.2	4256.9	4289.4	4371.3	4425.1	4426.2
47.5°	4956.8	4935.5	4901.8	4852.5	4800.9	4776.2	4756.0	4771.7	4831.2	4852.5	4854.7
50°	5440.3	5444.7	5451.5	5432.4	5413.3	5405.5	5352.8	5322.5	5340.4	5301.2	5295.6
52.5°	6013.5	6022.4	6087.5	6142.4	6175.0	6191.8	6092.0	5987.7	5929.3	5853.0	5830.6
55°	6689.8	6704.4	6799.8	6952.3	7109.4	7192.4	7011.8	6816.6	6636.0	6493.5	6447.6
57.5°	7443.6	7469.4	7600.7	7893.4	8215.4	8411.7	8106.5	7752.1	7403.2	7198.0	7162.1
60°	8327.5	8352.2	8533.9	8953.4	9475.0	9770.0	9307.9	8728.0	8293.9	8097.6	8031.4
62.5°	9379.7	9381.9	9605.1	10095.3	10784.1	11194.6	10568.7	9793.6	9346.0	9109.4	9045.4
65°	10511.5	10517.1	10748.2	11277.6	11989.9	12436.3	11729.7	10922.0	10374.6	10025.8	9976.4
67.5°	11311.3	11334.8	11578.2	12215.3	12881.6	13284.3	12553.0	11639.9	11007.3	10591.1	10549.6
70°	11183.4	11275.4	11561.4	12305.1	13231.6	13805.9	12686.5	11554.7	10720.1	10228.8	10194.0
72.5°	9753.2	9929.3	10310.7	11286.6	12768.3	13559.1	11958.5	10348.8	9404.4	8986.0	8923.1
75°	6641.6	6927.6	7503.1	8910.8	10908.6	11739.7	10067.3	8251.2	7362.9	6784.1	6741.4
77.5°	2961.3	3026.4	3755.5	5376.3	7527.8	8430.7	7314.6	5397.6	4051.6	3231.6	3058.9
80°	825.6	835.7	1115.0	2002.2	3767.8	4953.4	4044.9	2103.2	1182.3	833.4	785.2
82.5°	262.5	284.9	347.7	519.3	1266.4	2260.2	1300.1	560.9	399.3	318.6	287.2
85°	127.9	126.8	176.1	210.9	323.1	500.3	344.4	260.2	227.7	151.4	136.8
87.5°	53.8	55.0	81.9	74.0	94.2	80.8	111.0	116.7	122.3	67.3	58.3
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)