

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: P316120

Luminaire Tested: **GAN-SA6B-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316120
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-SA6B-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32786 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

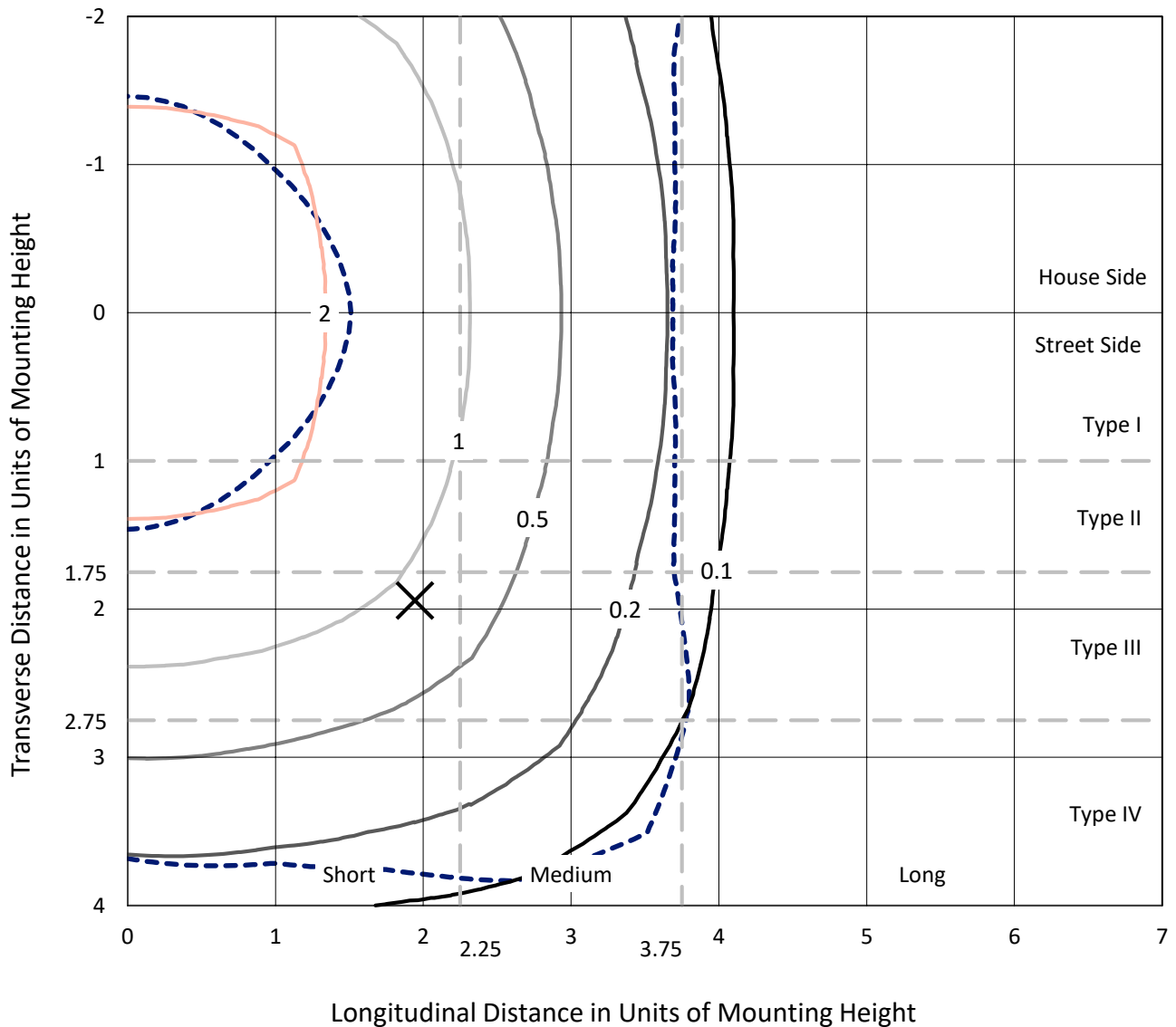
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

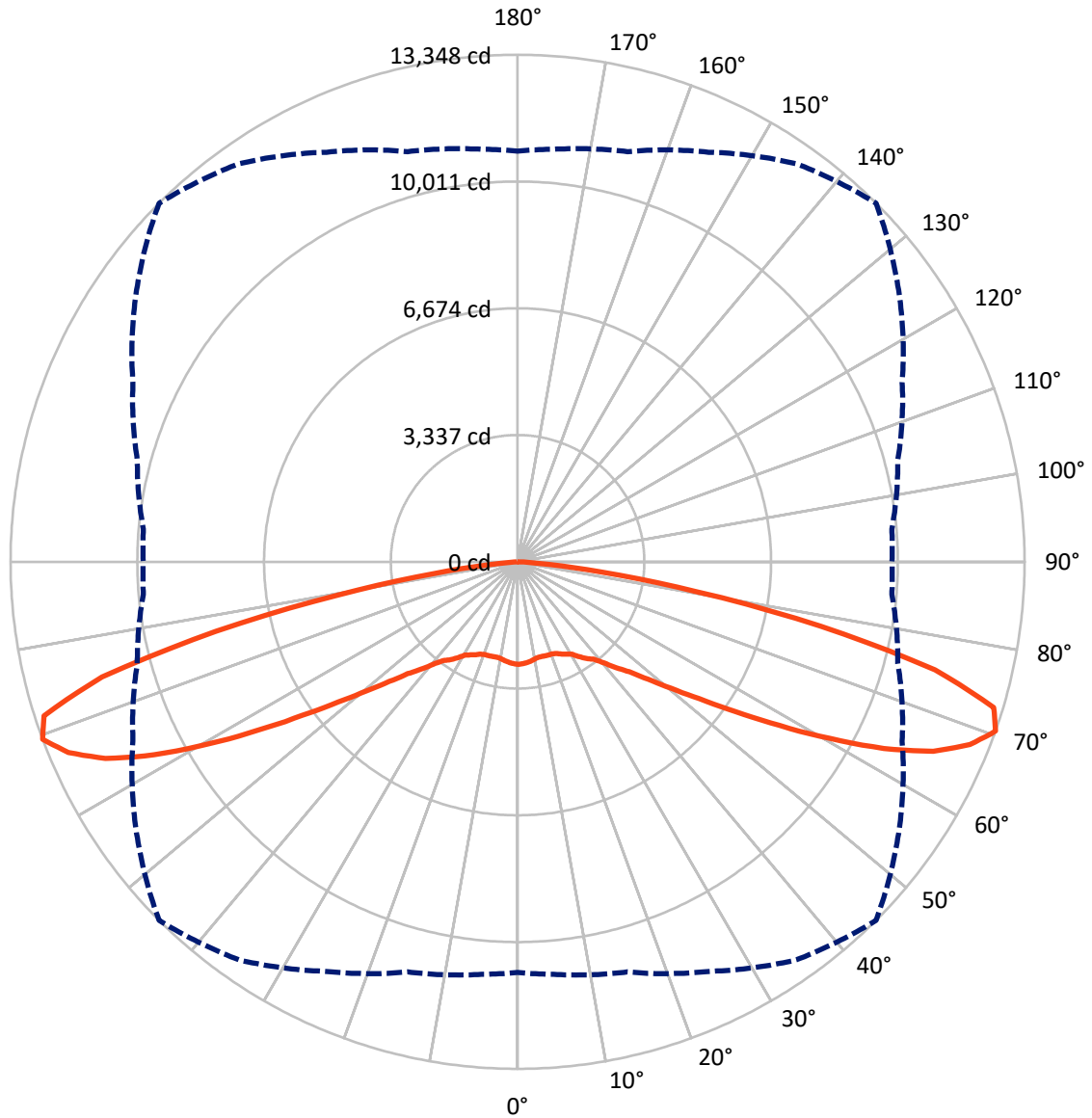
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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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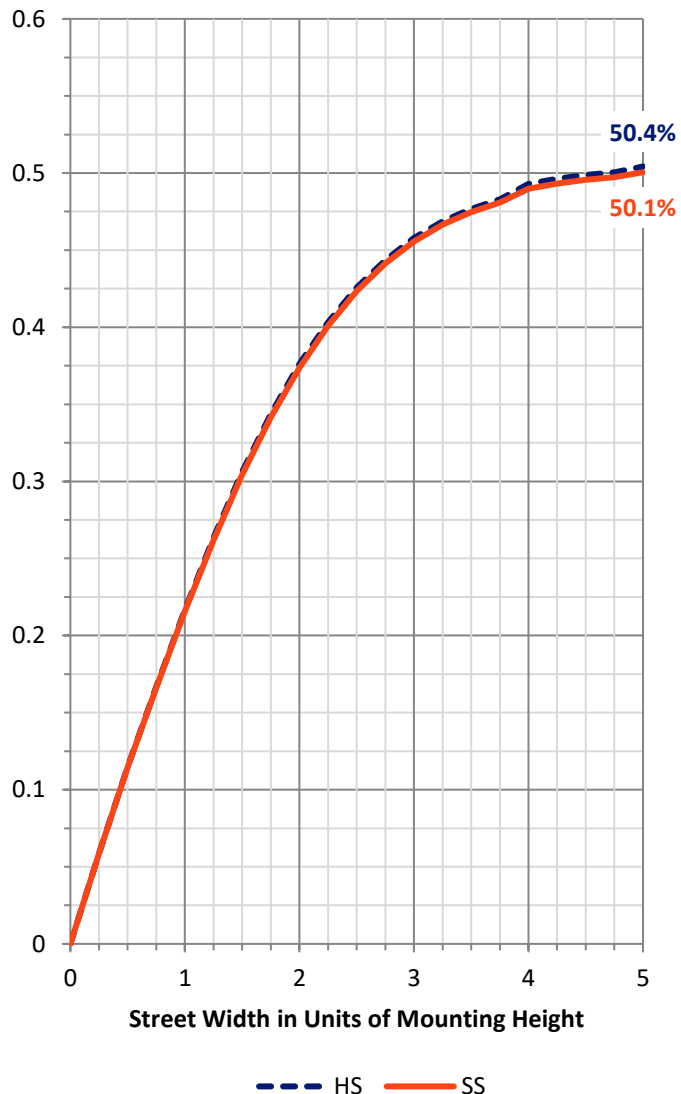
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16393.0	0.0	16393.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16393.0	0.0	16393.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32786.0	0.0	32786.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.8	0.8
10°-20°	735.6	2.2
20°-30°	1254.2	3.8
30°-40°	1959.8	6.0
40°-50°	3321.4	10.1
50°-60°	6056.8	18.5
60°-70°	10427.2	31.8
70°-80°	8173.2	24.9
80°-90°	606.0	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°	32786.0	100.0
0°-180°	32786.0	100.0

Coefficient of Utilization

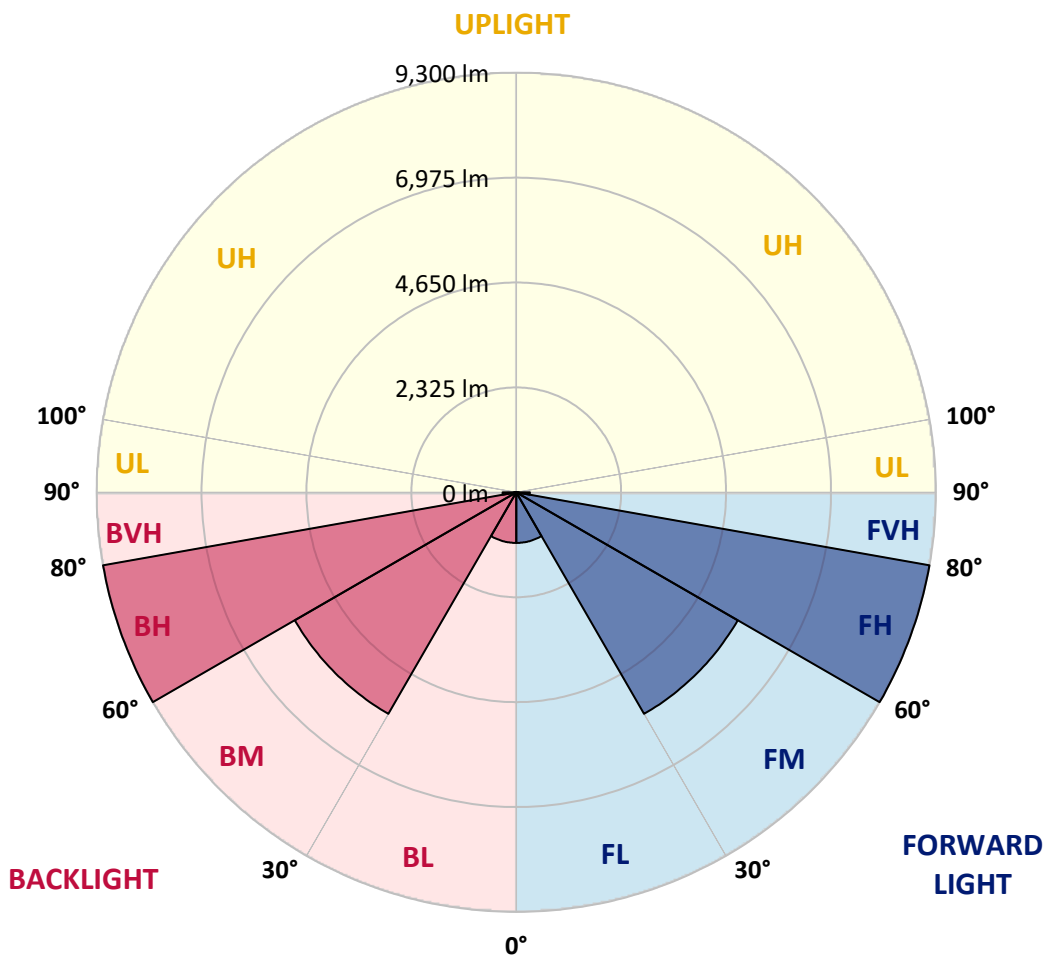


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1120.9	3.4			
FM (30°-60°)	5669.0	17.3			
FH (60°-80°)	9300.2	28.4			G4/12000
FVH (80°-90°)	303.0	0.9			G3/500
BL (0°-30°)	1120.9	3.4	B3/2500		
BM (30°-60°)	5669.0	17.3	B4/8500		
BH (60°-80°)	9300.2	28.4	B5		G4/12000
BVH (80°-90°)	303.0	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°	2698.3	2698.3	2698.3	2698.3	2698.3	2698.3	2698.3	2698.3	2698.3	2698.3	2698.3
2.5°	2686.4	2689.6	2686.4	2688.5	2683.1	2685.3	2685.3	2685.3	2684.2	2685.3	2683.1
5°	2662.5	2664.7	2660.3	2662.5	2659.2	2662.5	2663.6	2662.5	2660.3	2661.4	2657.1
7.5°	2626.7	2628.9	2625.6	2628.9	2624.5	2630.0	2628.9	2625.6	2622.4	2622.4	2618.0
10°	2607.2	2608.3	2599.6	2596.3	2586.6	2588.8	2592.0	2595.3	2598.5	2605.0	2603.9
12.5°	2608.3	2608.3	2595.3	2581.2	2567.1	2570.3	2575.7	2587.7	2600.7	2612.6	2613.7
15°	2619.1	2618.0	2598.5	2575.7	2566.0	2575.7	2579.0	2586.6	2607.2	2627.8	2628.9
17.5°	2626.7	2626.7	2596.3	2570.3	2569.2	2584.4	2583.3	2586.6	2609.4	2639.7	2640.8
20°	2640.8	2640.8	2601.8	2573.6	2573.6	2589.8	2590.9	2596.3	2619.1	2652.7	2658.2
22.5°	2672.3	2673.3	2632.1	2609.4	2611.5	2621.3	2624.5	2633.2	2653.8	2690.7	2697.2
25°	2716.7	2718.9	2676.6	2663.6	2671.2	2689.6	2687.4	2694.0	2716.7	2752.5	2759.0
27.5°	2778.5	2773.1	2734.1	2728.7	2736.3	2749.3	2748.2	2749.3	2767.7	2800.2	2807.8
30°	2858.8	2856.6	2828.4	2831.7	2828.4	2824.1	2825.2	2833.9	2843.6	2869.6	2877.2
32.5°	2936.9	2939.1	2921.7	2938.0	2961.8	2978.1	2953.2	2929.3	2918.5	2932.5	2939.1
35°	3077.9	3083.3	3056.2	3045.3	3077.9	3125.6	3055.1	3016.1	3037.7	3056.2	3061.6
37.5°	3317.6	3320.8	3275.3	3231.9	3208.0	3253.6	3183.1	3186.3	3262.2	3296.9	3295.9
40°	3590.9	3591.9	3561.6	3523.6	3482.4	3493.2	3465.0	3473.7	3523.6	3555.1	3563.7
42.5°	3916.2	3913.0	3865.2	3811.0	3799.1	3809.9	3762.2	3755.7	3813.2	3869.6	3870.7
45°	4338.1	4330.5	4268.7	4209.0	4151.6	4127.7	4115.8	4147.2	4226.4	4278.4	4279.5
47.5°	4792.5	4771.9	4739.4	4691.6	4641.8	4617.9	4598.4	4613.6	4671.0	4691.6	4693.8
50°	5259.9	5264.3	5270.8	5252.3	5233.9	5226.3	5175.3	5146.1	5163.4	5125.5	5120.0
52.5°	5814.1	5822.8	5885.7	5938.8	5970.3	5986.6	5890.0	5789.2	5732.8	5659.0	5637.3
55°	6468.1	6482.2	6574.4	6721.9	6873.7	6954.0	6779.4	6590.6	6416.0	6278.3	6233.8
57.5°	7196.9	7221.8	7348.7	7631.8	7943.0	8132.8	7837.8	7495.1	7157.8	6959.4	6924.7
60°	8051.5	8075.4	8251.0	8656.7	9161.0	9446.2	8999.4	8438.7	8019.0	7829.2	7765.2
62.5°	9068.8	9070.9	9286.8	9760.7	10426.6	10823.5	10218.4	9469.0	9036.2	8807.4	8745.6
65°	10163.1	10168.5	10391.9	10903.8	11592.5	12024.1	11340.9	10560.0	10030.7	9693.5	9645.7
67.5°	10936.3	10959.1	11194.4	11810.5	12454.7	12844.0	12136.9	11254.1	10642.4	10240.1	10199.9
70°	10812.7	10901.6	11178.2	11897.2	12793.0	13348.3	12266.0	11171.7	10364.8	9889.8	9856.1
72.5°	9429.9	9600.2	9968.9	10912.5	12345.1	13109.7	11562.1	10005.8	9092.6	8688.1	8627.4
75°	6421.5	6698.0	7254.4	8615.4	10547.0	11350.6	9733.6	7977.7	7118.8	6559.2	6518.0
77.5°	2863.1	2926.0	3631.0	5198.1	7278.2	8151.3	7072.2	5218.7	3917.3	3124.5	2957.5
80°	798.2	808.0	1078.0	1935.9	3642.9	4789.3	3910.8	2033.5	1143.1	805.8	759.2
82.5°	253.8	275.5	336.2	502.1	1224.4	2185.3	1257.0	542.3	386.1	308.0	277.6
85°	123.6	122.6	170.3	203.9	312.3	483.7	332.9	251.6	220.2	146.4	132.3
87.5°	52.1	53.1	79.2	71.6	91.1	78.1	107.4	112.8	118.2	65.1	56.4
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)