

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: P316150

Luminaire Tested: **GAN-SA6A-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316150
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-SA6A-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 29359 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

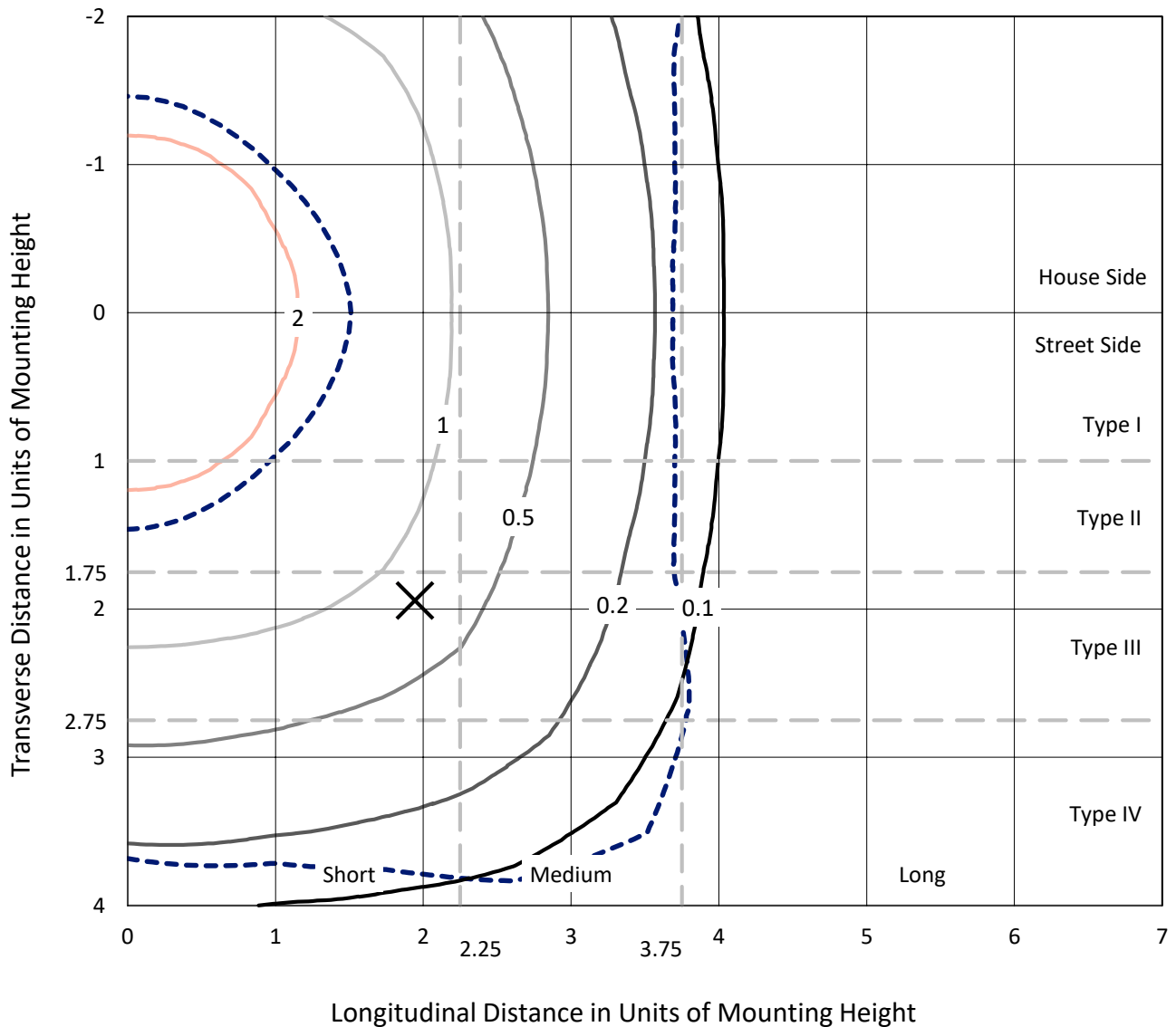
Input Watts (W): 193
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

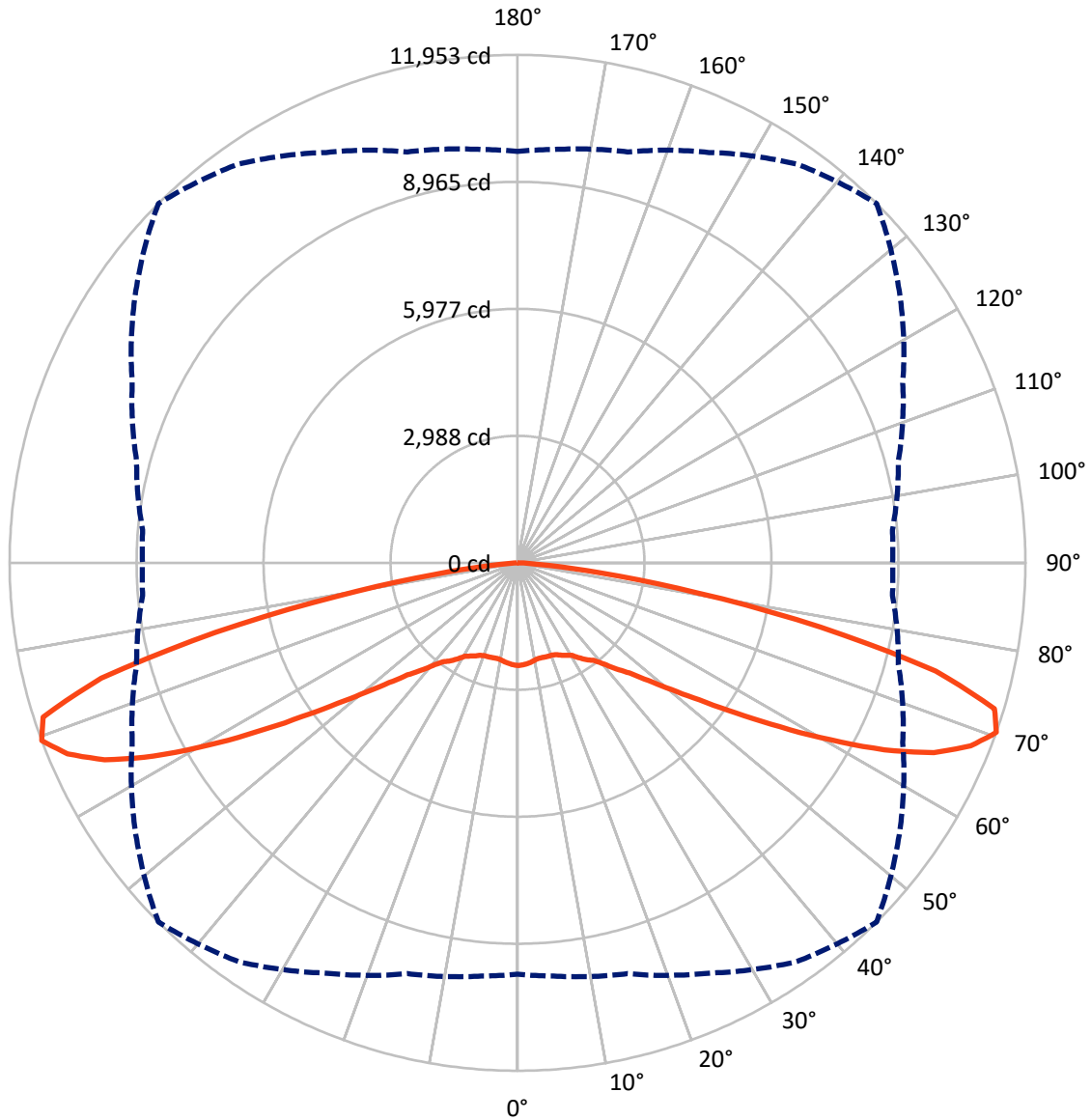
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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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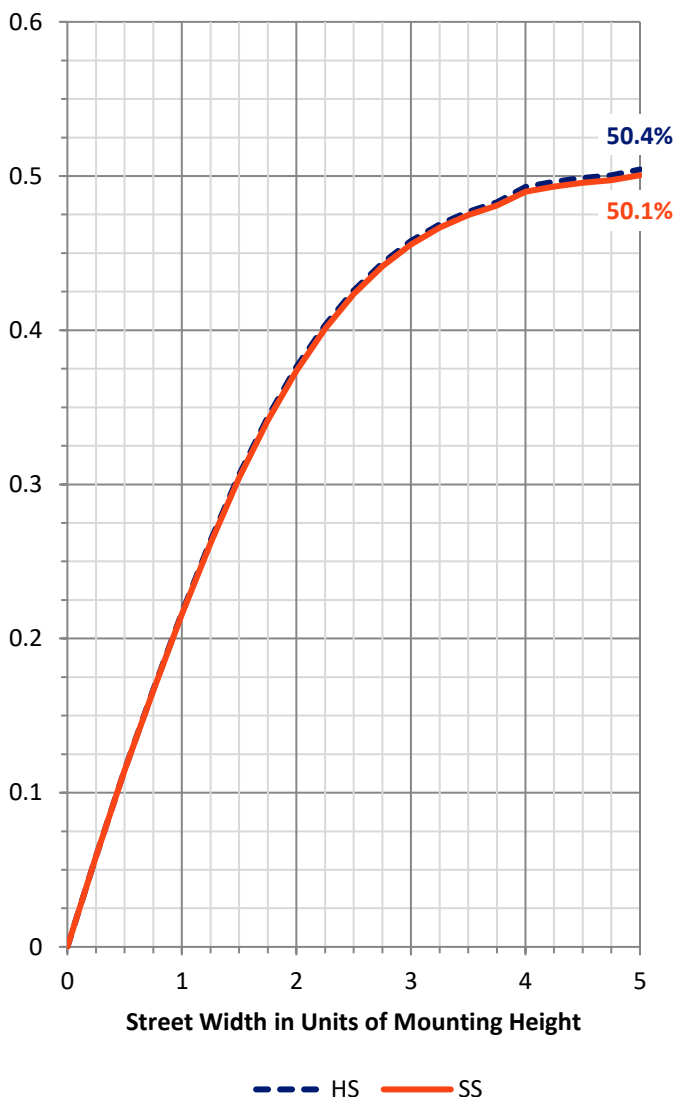
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14679.5	0.0	14679.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14679.5	0.0	14679.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29359.0	0.0	29359.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.5	0.8
10°-20°	658.7	2.2
20°-30°	1123.1	3.8
30°-40°	1754.9	6.0
40°-50°	2974.2	10.1
50°-60°	5423.7	18.5
60°-70°	9337.2	31.8
70°-80°	7318.9	24.9
80°-90°	542.7	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°	29359.0	100.0
0°-180°	29359.0	100.0

Coefficient of Utilization

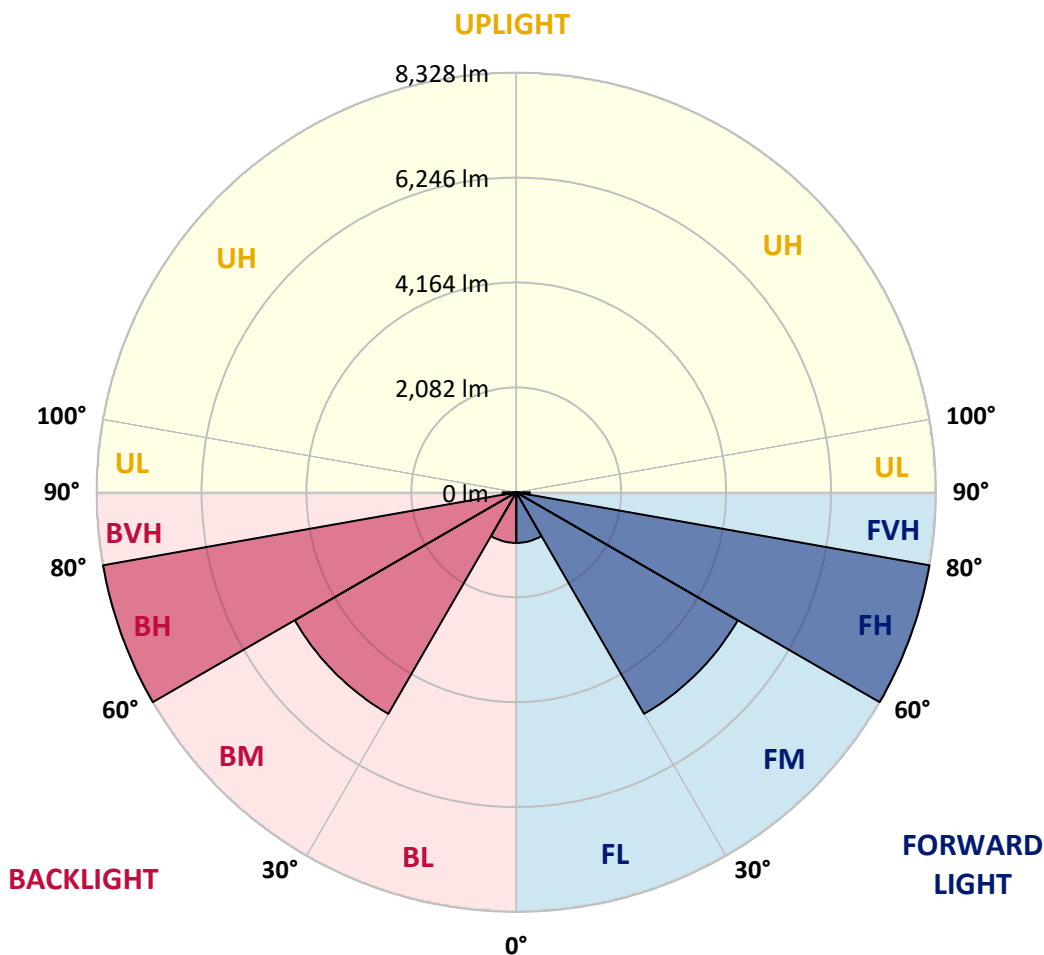


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1003.7	3.4			
FM (30°-60°)	5076.4	17.3			
FH (60°-80°)	8328.1	28.4			G4/12000
FVH (80°-90°)	271.3	0.9			G3/500
BL (0°-30°)	1003.7	3.4	B3/2500		
BM (30°-60°)	5076.4	17.3	B4/8500		
BH (60°-80°)	8328.1	28.4	B5		G4/12000
BVH (80°-90°)	271.3	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°	2416.2	2416.2	2416.2	2416.2	2416.2	2416.2	2416.2	2416.2	2416.2	2416.2	2416.2
2.5°	2405.6	2408.5	2405.6	2407.5	2402.7	2404.6	2404.6	2404.6	2403.6	2404.6	2402.7
5°	2384.2	2386.1	2382.3	2384.2	2381.3	2384.2	2385.2	2384.2	2382.3	2383.2	2379.3
7.5°	2352.2	2354.1	2351.2	2354.1	2350.2	2355.1	2354.1	2351.2	2348.3	2348.3	2344.4
10°	2334.7	2335.6	2327.9	2325.0	2316.2	2318.2	2321.1	2324.0	2326.9	2332.7	2331.8
12.5°	2335.6	2335.6	2324.0	2311.4	2298.7	2301.7	2306.5	2317.2	2328.8	2339.5	2340.5
15°	2345.4	2344.4	2326.9	2306.5	2297.8	2306.5	2309.4	2316.2	2334.7	2353.1	2354.1
17.5°	2352.2	2352.2	2325.0	2301.7	2300.7	2314.3	2313.3	2316.2	2336.6	2363.8	2364.8
20°	2364.8	2364.8	2329.8	2304.6	2304.6	2319.1	2320.1	2325.0	2345.4	2375.5	2380.3
22.5°	2392.9	2393.9	2357.0	2336.6	2338.6	2347.3	2350.2	2358.0	2376.4	2409.5	2415.3
25°	2432.8	2434.7	2396.8	2385.2	2392.0	2408.5	2406.5	2412.4	2432.8	2464.8	2470.6
27.5°	2488.1	2483.3	2448.3	2443.4	2450.2	2461.9	2460.9	2461.9	2478.4	2507.5	2514.3
30°	2560.0	2558.0	2532.8	2535.7	2532.8	2528.9	2529.9	2537.6	2546.4	2569.7	2576.5
32.5°	2629.9	2631.8	2616.3	2630.9	2652.2	2666.8	2644.5	2623.1	2613.4	2626.0	2631.8
35°	2756.2	2761.0	2736.7	2727.0	2756.2	2798.9	2735.8	2700.8	2720.2	2736.7	2741.6
37.5°	2970.8	2973.7	2932.9	2894.1	2872.7	2913.5	2850.4	2853.3	2921.3	2952.3	2951.4
40°	3215.5	3216.5	3189.3	3155.3	3118.4	3128.1	3102.9	3110.6	3155.3	3183.5	3191.2
42.5°	3506.9	3504.0	3461.2	3412.7	3402.0	3411.7	3369.0	3363.1	3414.6	3465.1	3466.1
45°	3884.6	3877.8	3822.5	3769.1	3717.6	3696.2	3685.6	3713.7	3784.6	3831.2	3832.2
47.5°	4291.6	4273.1	4244.0	4201.2	4156.6	4135.2	4117.7	4131.3	4182.8	4201.2	4203.2
50°	4710.1	4714.0	4719.8	4703.3	4686.8	4680.0	4634.4	4608.2	4623.7	4589.7	4584.9
52.5°	5206.4	5214.2	5270.5	5318.1	5346.2	5360.8	5274.4	5184.1	5133.6	5067.5	5048.1
55°	5792.0	5804.6	5887.2	6019.3	6155.2	6227.1	6070.7	5901.7	5745.4	5622.1	5582.2
57.5°	6444.6	6467.0	6580.6	6834.1	7112.8	7282.7	7018.6	6711.7	6409.7	6231.9	6200.9
60°	7209.9	7231.3	7388.6	7751.8	8203.4	8458.8	8058.7	7556.6	7180.8	7010.8	6953.5
62.5°	8120.9	8122.8	8316.1	8740.5	9336.7	9692.2	9150.3	8479.2	8091.7	7886.8	7831.4
65°	9100.8	9105.6	9305.7	9764.1	10380.7	10767.3	10155.4	9456.2	8982.3	8680.2	8637.5
67.5°	9793.2	9813.6	10024.3	10575.9	11152.8	11501.5	10868.3	10077.7	9530.0	9169.7	9133.8
70°	9682.5	9762.1	10009.8	10653.6	11455.8	11953.1	10983.8	10003.9	9281.4	8856.0	8825.9
72.5°	8444.2	8596.7	8926.9	9771.8	11054.7	11739.4	10353.6	8959.9	8142.2	7780.0	7725.6
75°	5750.2	5997.9	6496.1	7714.9	9444.5	10164.2	8716.2	7143.9	6374.7	5873.6	5836.7
77.5°	2563.9	2620.2	3251.4	4654.8	6517.5	7299.2	6332.9	4673.2	3507.8	2797.9	2648.4
80°	714.8	723.5	965.3	1733.5	3262.1	4288.6	3502.0	1820.9	1023.6	721.6	679.8
82.5°	227.3	246.7	301.1	449.6	1096.4	1956.9	1125.6	485.6	345.7	275.8	248.6
85°	110.7	109.7	152.5	182.6	279.7	433.1	298.1	225.3	197.1	131.1	118.5
87.5°	46.6	47.6	70.9	64.1	81.6	69.9	96.1	101.0	105.9	58.3	50.5
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)