

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: P316190

Luminaire Tested: **GAN-SA6A-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316190
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-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 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: 29358 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

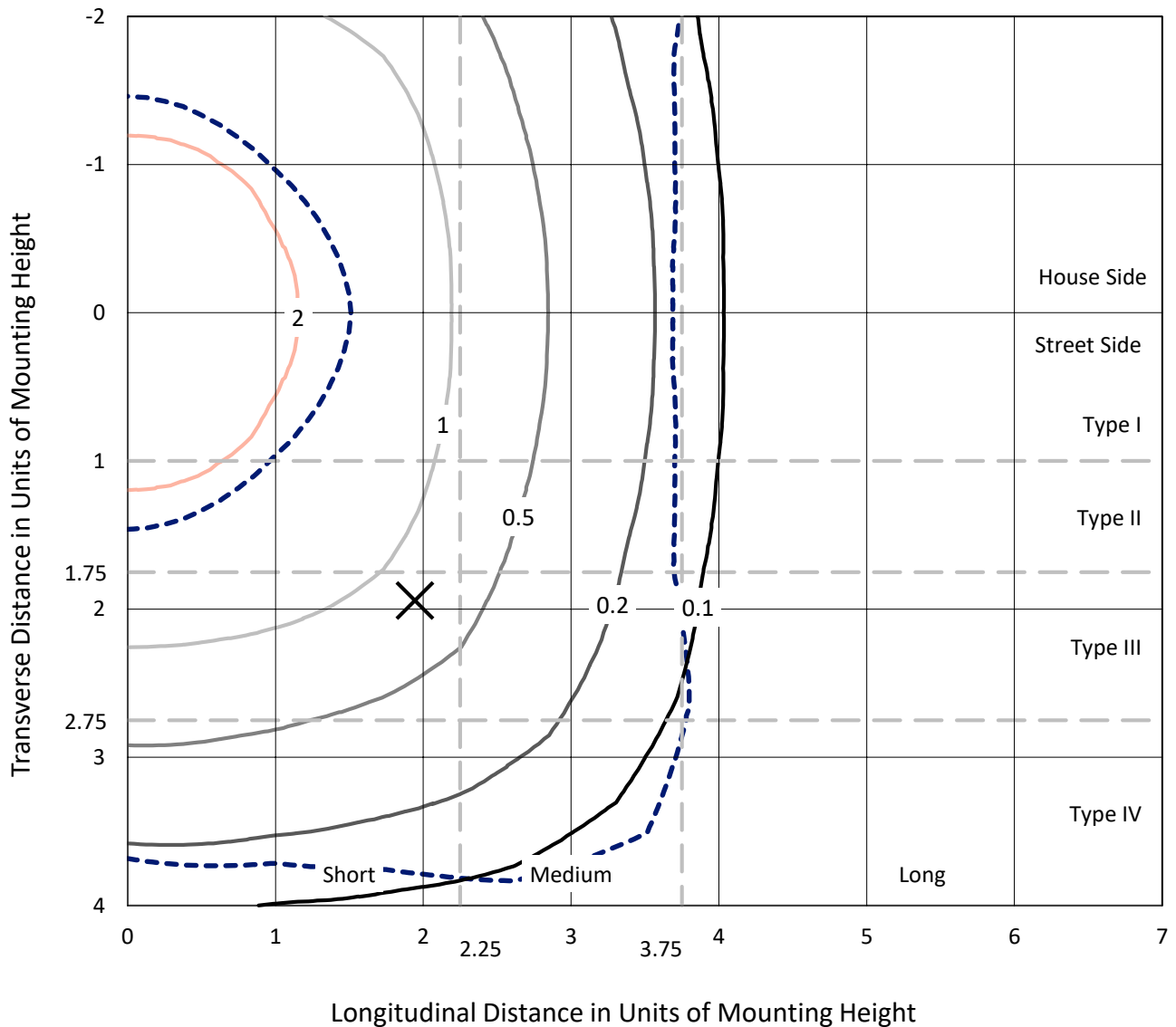
Input Watts (W): 193
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

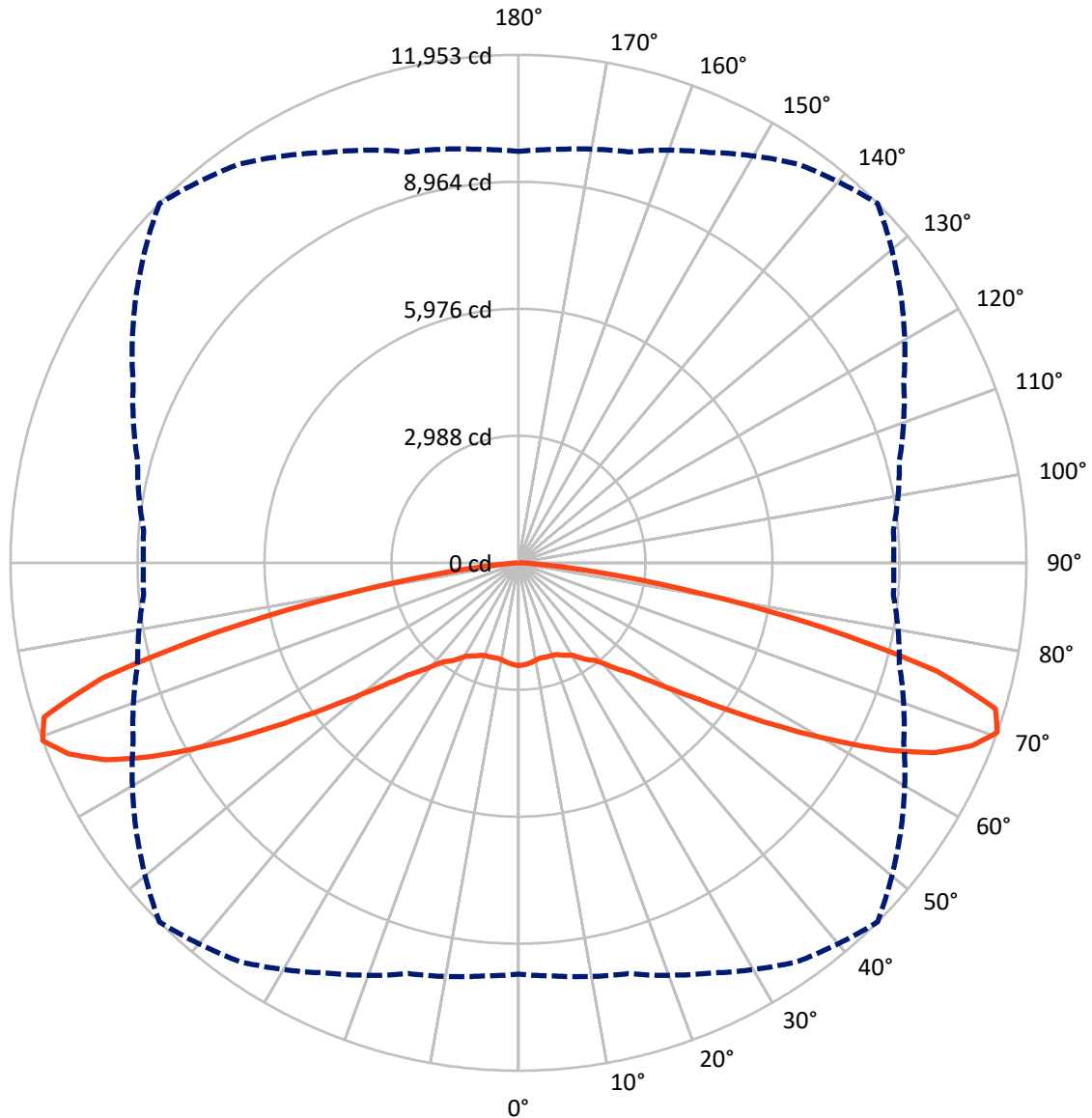
✕ Max cd
 - - - 1/2 Max cd



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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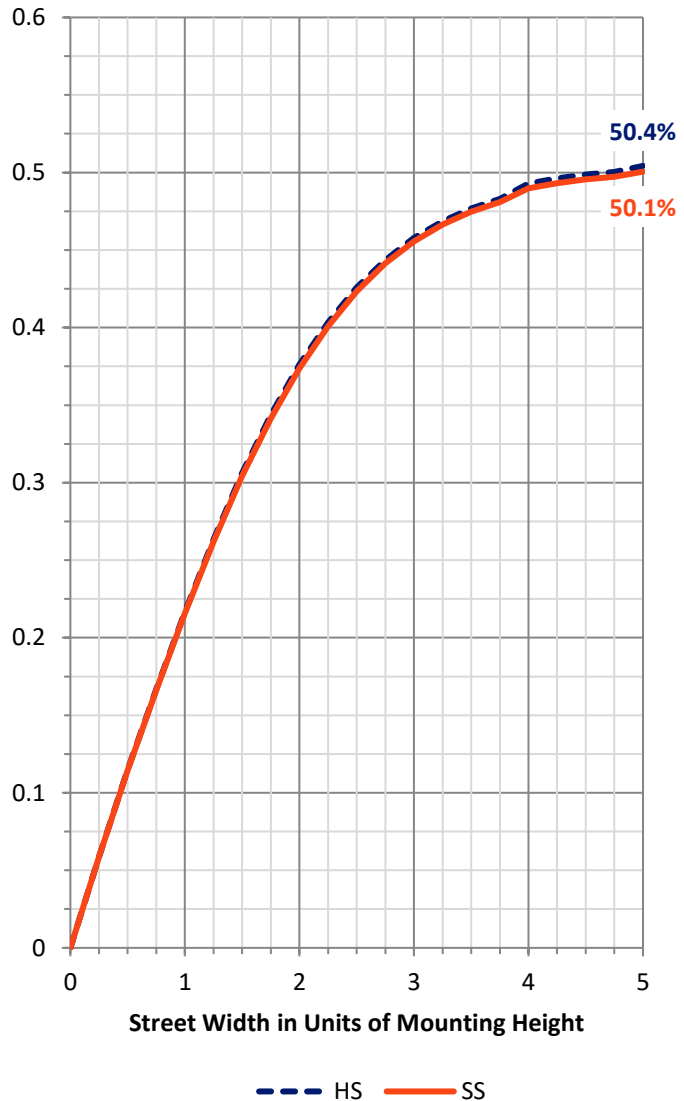
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14679.0	0.0	14679.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14679.0	0.0	14679.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29358.0	0.0	29358.0
	% 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°	2974.1	10.1
50°-60°	5423.5	18.5
60°-70°	9336.9	31.8
70°-80°	7318.6	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°	29358.0	100.0
0°-180°	29358.0	100.0

Coefficient of Utilization



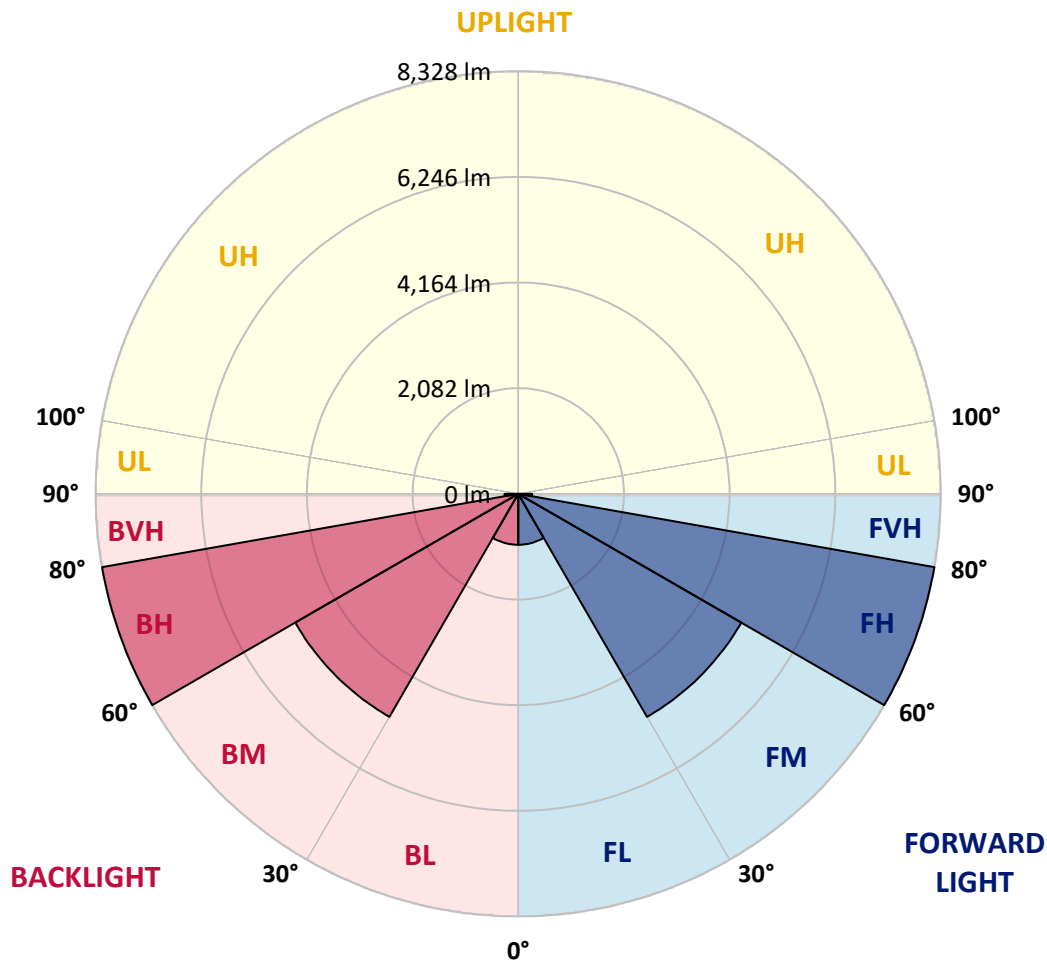
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1003.7	3.4			
FM (30°-60°)	5076.2	17.3			
FH (60°-80°)	8327.8	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°)	5076.2	17.3	B4/8500		
BH (60°-80°)	8327.8	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°	2405.5	2408.4	2405.5	2407.4	2402.6	2404.5	2404.5	2404.5	2403.5	2404.5	2402.6
5°	2384.1	2386.1	2382.2	2384.1	2381.2	2384.1	2385.1	2384.1	2382.2	2383.1	2379.3
7.5°	2352.1	2354.0	2351.1	2354.0	2350.1	2355.0	2354.0	2351.1	2348.2	2348.2	2344.3
10°	2334.6	2335.6	2327.8	2324.9	2316.1	2318.1	2321.0	2323.9	2326.8	2332.7	2331.7
12.5°	2335.6	2335.6	2323.9	2311.3	2298.7	2301.6	2306.4	2317.1	2328.8	2339.4	2340.4
15°	2345.3	2344.3	2326.8	2306.4	2297.7	2306.4	2309.3	2316.1	2334.6	2353.0	2354.0
17.5°	2352.1	2352.1	2324.9	2301.6	2300.6	2314.2	2313.2	2316.1	2336.5	2363.7	2364.7
20°	2364.7	2364.7	2329.7	2304.5	2304.5	2319.1	2320.0	2324.9	2345.3	2375.4	2380.2
22.5°	2392.9	2393.8	2356.9	2336.5	2338.5	2347.2	2350.1	2357.9	2376.4	2409.4	2415.2
25°	2432.7	2434.6	2396.7	2385.1	2391.9	2408.4	2406.5	2412.3	2432.7	2464.7	2470.6
27.5°	2488.0	2483.2	2448.2	2443.4	2450.2	2461.8	2460.8	2461.8	2478.3	2507.5	2514.3
30°	2559.9	2558.0	2532.7	2535.6	2532.7	2528.8	2529.8	2537.6	2546.3	2569.6	2576.4
32.5°	2629.8	2631.8	2616.2	2630.8	2652.2	2666.7	2644.4	2623.0	2613.3	2625.9	2631.8
35°	2756.1	2760.9	2736.6	2726.9	2756.1	2798.8	2735.7	2700.7	2720.1	2736.6	2741.5
37.5°	2970.7	2973.6	2932.8	2894.0	2872.6	2913.4	2850.3	2853.2	2921.2	2952.2	2951.3
40°	3215.4	3216.4	3189.2	3155.2	3118.3	3128.0	3102.8	3110.5	3155.2	3183.4	3191.1
42.5°	3506.7	3503.8	3461.1	3412.5	3401.9	3411.6	3368.8	3363.0	3414.5	3465.0	3466.0
45°	3884.5	3877.7	3822.4	3768.9	3717.5	3696.1	3685.4	3713.6	3784.5	3831.1	3832.1
47.5°	4291.4	4273.0	4243.8	4201.1	4156.4	4135.1	4117.6	4131.2	4182.6	4201.1	4203.0
50°	4710.0	4713.9	4719.7	4703.2	4686.7	4679.9	4634.2	4608.0	4623.5	4589.6	4584.7
52.5°	5206.2	5214.0	5270.3	5317.9	5346.1	5360.6	5274.2	5183.9	5133.4	5067.3	5047.9
55°	5791.8	5804.4	5887.0	6019.1	6155.0	6226.9	6070.5	5901.5	5745.2	5621.9	5582.0
57.5°	6444.4	6466.7	6580.4	6833.8	7112.5	7282.5	7018.3	6711.5	6409.4	6231.7	6200.7
60°	7209.7	7231.0	7388.3	7751.5	8203.1	8458.5	8058.4	7556.3	7180.5	7010.6	6953.3
62.5°	8120.6	8122.5	8315.8	8740.2	9336.4	9691.9	9150.0	8478.9	8091.4	7886.5	7831.2
65°	9100.4	9105.3	9305.4	9763.7	10380.4	10766.9	10155.1	9455.9	8982.0	8679.9	8637.2
67.5°	9792.9	9813.3	10024.0	10575.6	11152.4	11501.1	10867.9	10077.4	9529.7	9169.4	9133.5
70°	9682.2	9761.8	10009.4	10653.3	11455.4	11952.6	10983.5	10003.6	9281.1	8855.7	8825.6
72.5°	8444.0	8596.4	8926.6	9771.5	11054.4	11739.0	10353.2	8959.6	8141.9	7779.7	7725.3
75°	5750.1	5997.7	6495.9	7714.6	9444.2	10163.8	8715.9	7143.6	6374.5	5873.4	5836.5
77.5°	2563.8	2620.1	3251.3	4654.6	6517.2	7299.0	6332.7	4673.1	3507.7	2797.8	2648.3
80°	714.8	723.5	965.3	1733.5	3262.0	4288.5	3501.9	1820.9	1023.6	721.5	679.8
82.5°	227.2	246.7	301.0	449.6	1096.4	1956.8	1125.5	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)