

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: P316138

Luminaire Tested: **GAN-SA4D-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316138  
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-SA4D-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30023 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

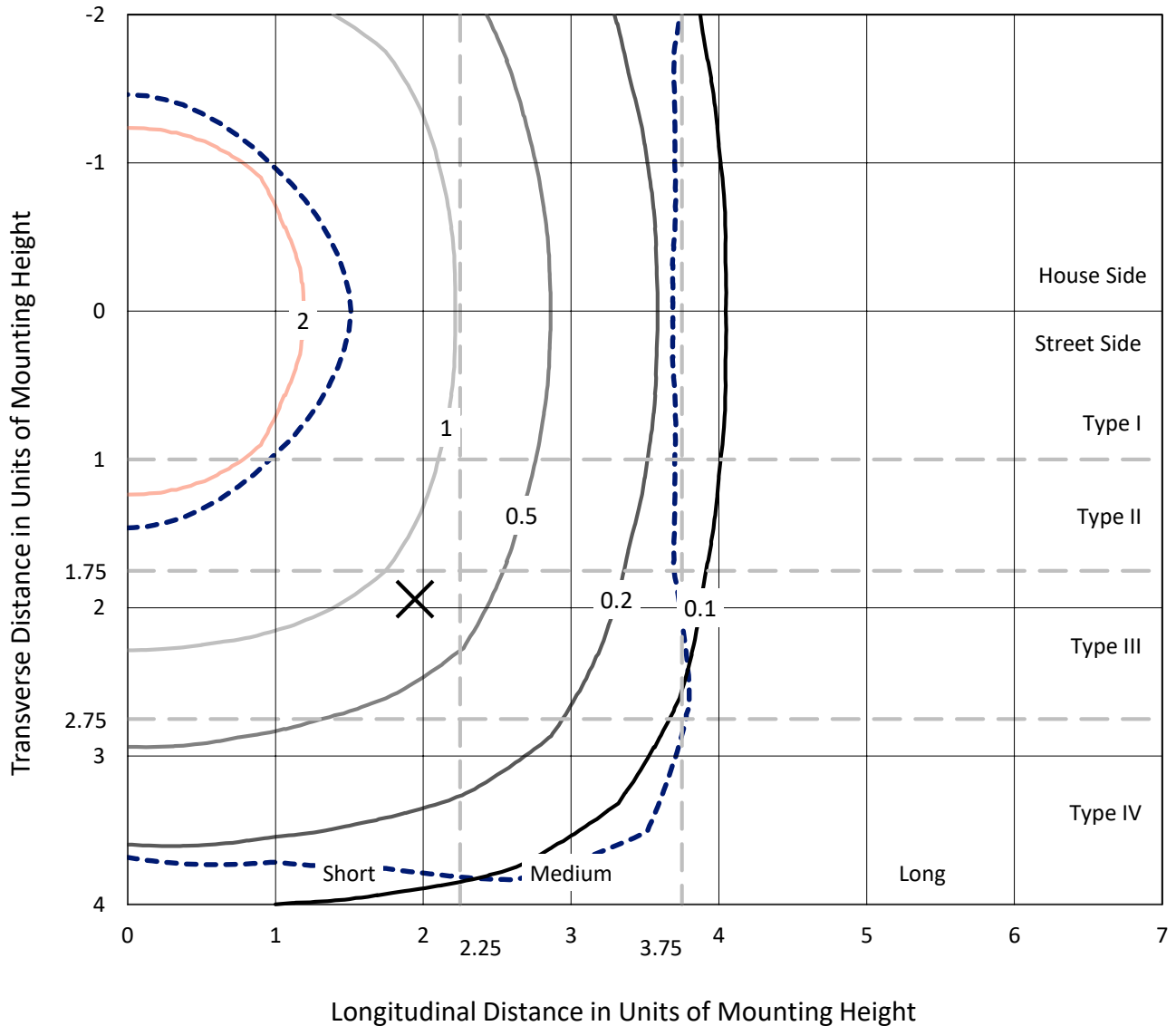
Input Watts (W): 258  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

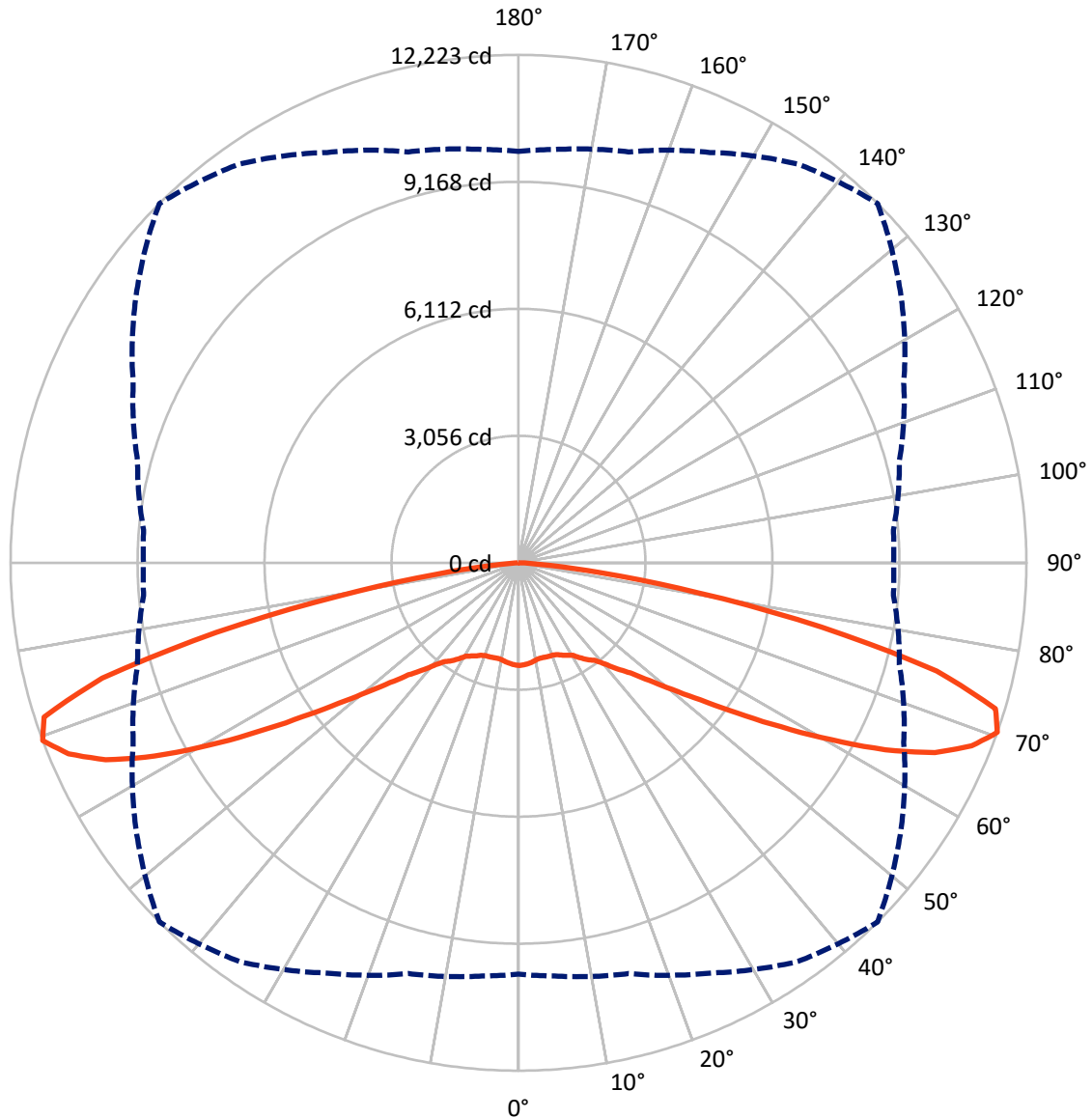
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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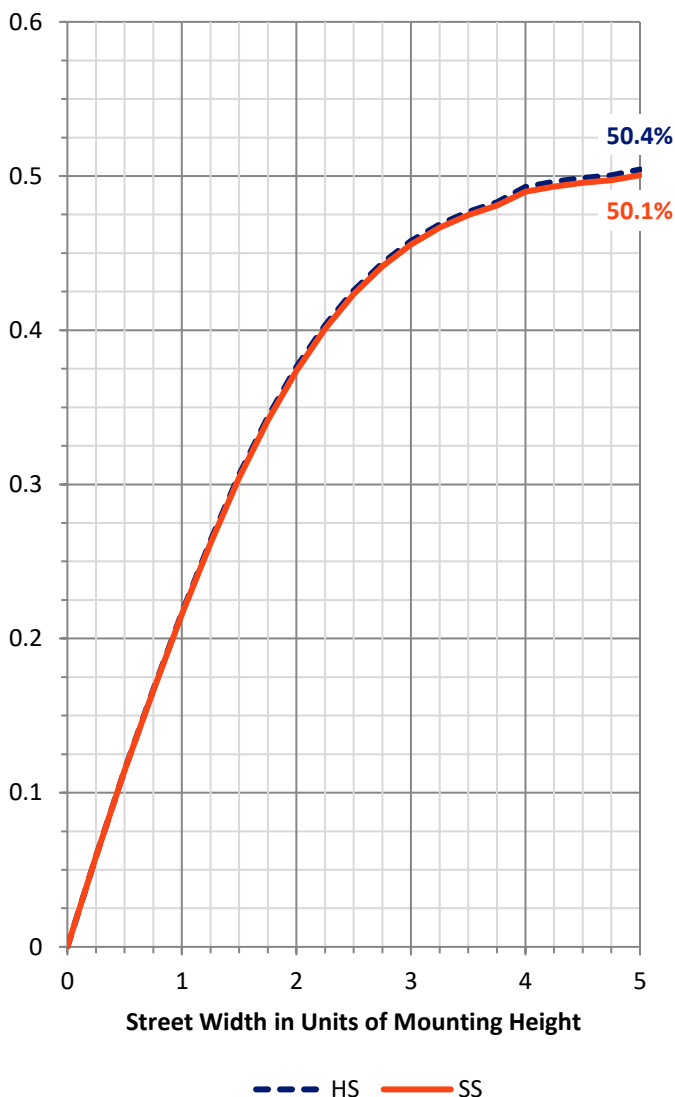
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15011.5	0.0	15011.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15011.5	0.0	15011.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30023.0	0.0	30023.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.6	0.8
10°-20°	673.6	2.2
20°-30°	1148.5	3.8
30°-40°	1794.6	6.0
40°-50°	3041.5	10.1
50°-60°	5546.3	18.5
60°-70°	9548.4	31.8
70°-80°	7484.4	24.9
80°-90°	555.0	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°	30023.0	100.0
0°-180°	30023.0	100.0

**Coefficient of Utilization**

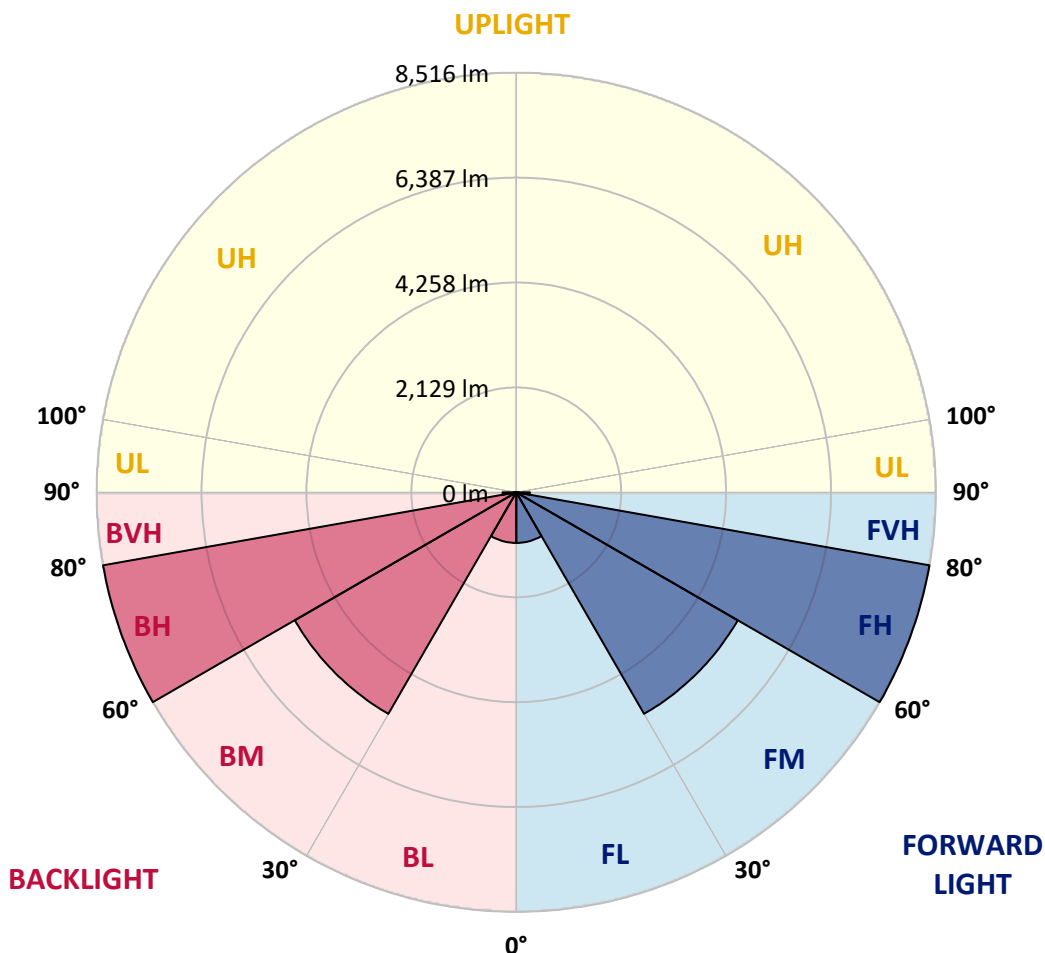


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1026.4	3.4			
FM (30°-60°)	5191.2	17.3			
FH (60°-80°)	8516.4	28.4			G4/12000
FVH (80°-90°)	277.5	0.9			G3/500
BL (0°-30°)	1026.4	3.4	B3/2500		
BM (30°-60°)	5191.2	17.3	B4/8500		
BH (60°-80°)	8516.4	28.4	B5		G4/12000
BVH (80°-90°)	277.5	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°	2470.9	2470.9	2470.9	2470.9	2470.9	2470.9	2470.9	2470.9	2470.9	2470.9	2470.9
2.5°	2460.0	2463.0	2460.0	2462.0	2457.0	2459.0	2459.0	2459.0	2458.0	2459.0	2457.0
5°	2438.1	2440.1	2436.1	2438.1	2435.1	2438.1	2439.1	2438.1	2436.1	2437.1	2433.2
7.5°	2405.4	2407.3	2404.4	2407.3	2403.4	2408.3	2407.3	2404.4	2401.4	2401.4	2397.4
10°	2387.5	2388.5	2380.5	2377.5	2368.6	2370.6	2373.6	2376.6	2379.5	2385.5	2384.5
12.5°	2388.5	2388.5	2376.6	2363.6	2350.7	2353.7	2358.7	2369.6	2381.5	2392.4	2393.4
15°	2398.4	2397.4	2379.5	2358.7	2349.7	2358.7	2361.7	2368.6	2387.5	2406.3	2407.3
17.5°	2405.4	2405.4	2377.5	2353.7	2352.7	2366.6	2365.6	2368.6	2389.5	2417.3	2418.3
20°	2418.3	2418.3	2382.5	2356.7	2356.7	2371.6	2372.6	2377.5	2398.4	2429.2	2434.2
22.5°	2447.1	2448.1	2410.3	2389.5	2391.4	2400.4	2403.4	2411.3	2430.2	2463.9	2469.9
25°	2487.8	2489.8	2451.0	2439.1	2446.1	2463.0	2461.0	2466.9	2487.8	2520.6	2526.5
27.5°	2544.4	2539.4	2503.7	2498.7	2505.7	2517.6	2516.6	2517.6	2534.5	2564.3	2571.2
30°	2617.9	2615.9	2590.1	2593.1	2590.1	2586.1	2587.1	2595.0	2604.0	2627.8	2634.8
32.5°	2689.4	2691.4	2675.5	2690.4	2712.2	2727.1	2704.3	2682.4	2672.5	2685.4	2691.4
35°	2818.5	2823.5	2798.6	2788.7	2818.5	2862.2	2797.6	2761.9	2781.7	2798.6	2803.6
37.5°	3038.0	3041.0	2999.2	2959.5	2937.7	2979.4	2914.8	2917.8	2987.3	3019.1	3018.1
40°	3288.2	3289.2	3261.4	3226.7	3188.9	3198.9	3173.0	3181.0	3226.7	3255.5	3263.4
42.5°	3586.2	3583.2	3539.5	3489.8	3478.9	3488.9	3445.2	3439.2	3491.8	3543.5	3544.5
45°	3972.5	3965.6	3908.9	3854.3	3801.7	3779.8	3768.9	3797.7	3870.2	3917.9	3918.9
47.5°	4388.6	4369.8	4340.0	4296.3	4250.6	4228.7	4210.9	4224.8	4277.4	4296.3	4298.2
50°	4816.7	4820.6	4826.6	4809.7	4792.8	4785.9	4739.2	4712.4	4728.3	4693.5	4688.5
52.5°	5324.1	5332.1	5389.7	5438.4	5467.2	5482.1	5393.7	5301.3	5249.7	5182.1	5162.3
55°	5923.0	5935.9	6020.3	6155.4	6294.4	6367.9	6208.0	6035.2	5875.3	5749.2	5708.5
57.5°	6590.4	6613.2	6729.4	6988.6	7273.7	7447.5	7177.3	6863.5	6554.6	6372.9	6341.1
60°	7373.0	7394.8	7555.7	7927.1	8388.9	8650.1	8241.0	7727.5	7343.2	7169.4	7110.8
62.5°	8304.5	8306.5	8504.1	8938.1	9547.9	9911.4	9357.2	8671.0	8274.7	8065.2	8008.6
65°	9306.6	9311.5	9516.1	9984.9	10615.5	11010.8	10385.1	9670.1	9185.4	8876.6	8832.9
67.5°	10014.7	10035.5	10251.0	10815.1	11405.1	11761.6	11114.1	10305.7	9745.5	9377.1	9340.3
70°	9901.5	9982.9	10236.1	10894.6	11714.9	12223.4	11232.3	10230.2	9491.3	9056.3	9025.5
72.5°	8635.2	8791.1	9128.8	9992.8	11304.8	12004.9	10587.7	9162.6	8326.4	7955.9	7900.3
75°	5880.3	6133.5	6643.0	7889.4	9658.1	10394.1	8913.3	7305.4	6518.9	6006.4	5968.7
77.5°	2621.9	2679.5	3325.0	4760.1	6664.9	7464.3	6476.2	4778.9	3587.2	2861.2	2708.3
80°	730.9	739.9	987.2	1772.7	3335.9	4385.6	3581.2	1862.1	1046.8	737.9	695.2
82.5°	232.4	252.3	307.9	459.8	1121.2	2001.1	1151.0	496.6	353.6	282.0	254.2
85°	113.2	112.2	155.9	186.7	286.0	442.9	304.9	230.4	201.6	134.1	121.2
87.5°	47.7	48.7	72.5	65.5	83.4	71.5	98.3	103.3	108.3	59.6	51.6
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)