

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: P316168

Luminaire Tested: **GAN-SA4C-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316168
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-SA4C-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K, 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: 30052 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

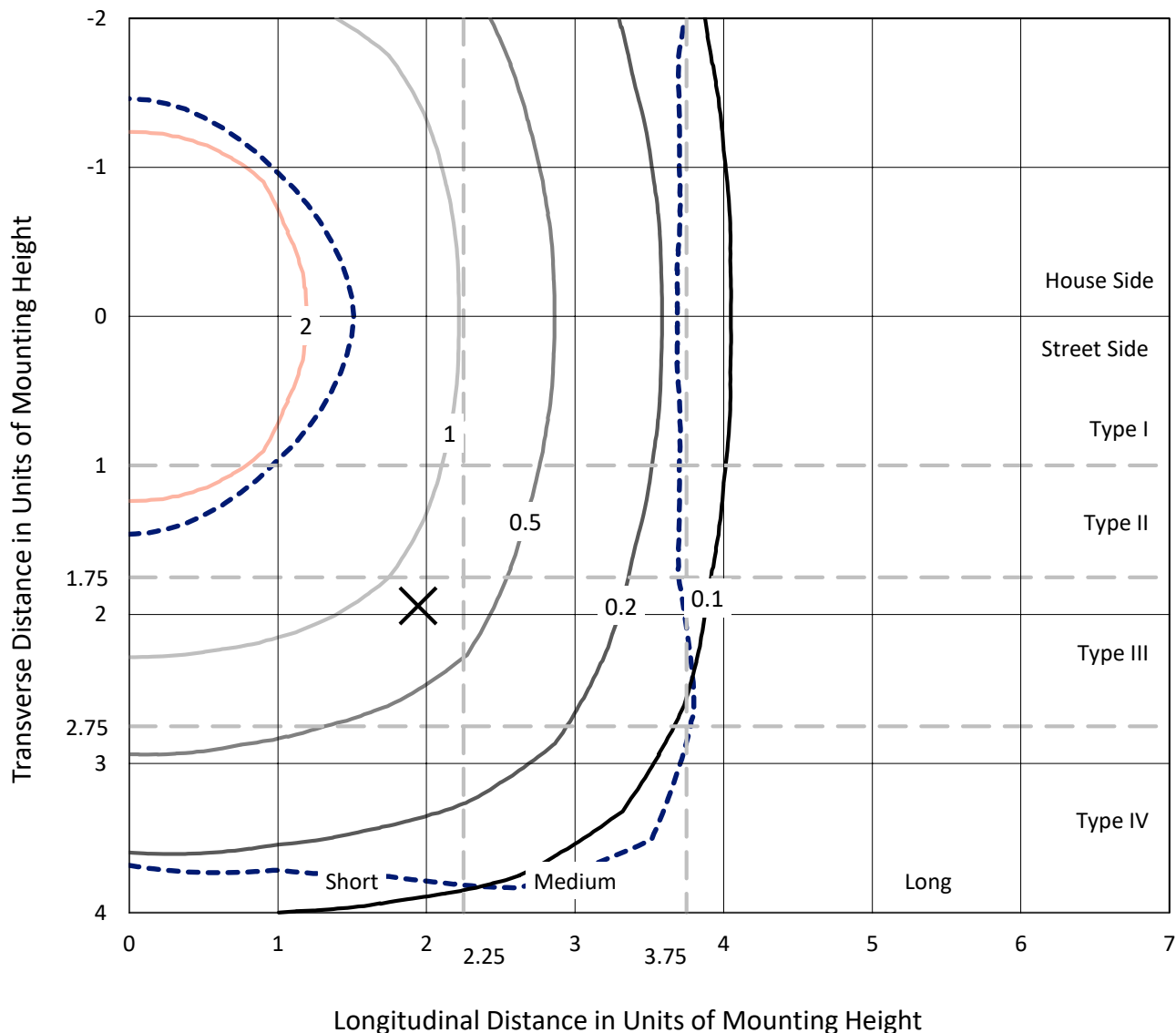
Input Watts (W): 225
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

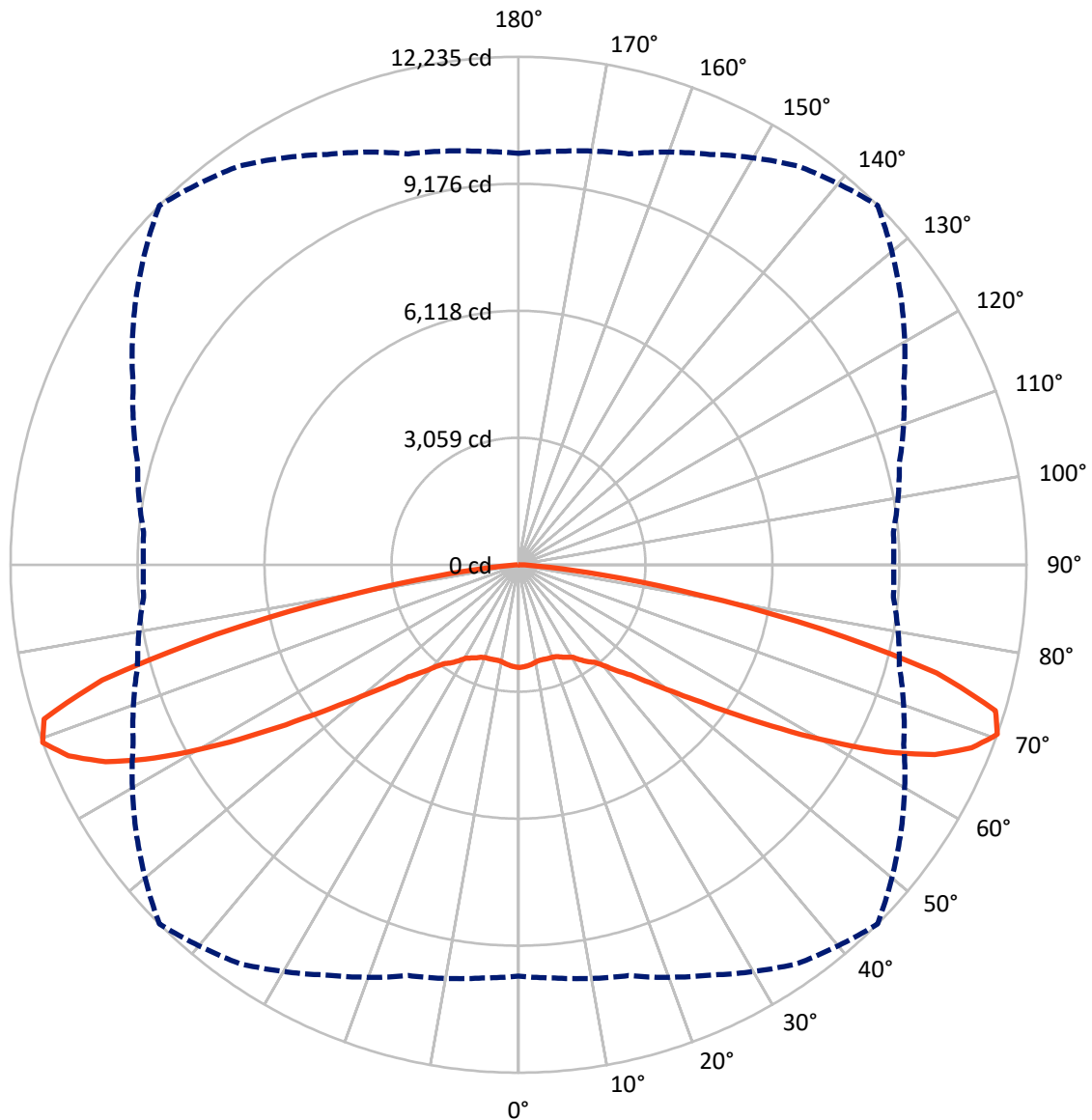
✕ Max cd
 - - - 1/2 Max cd



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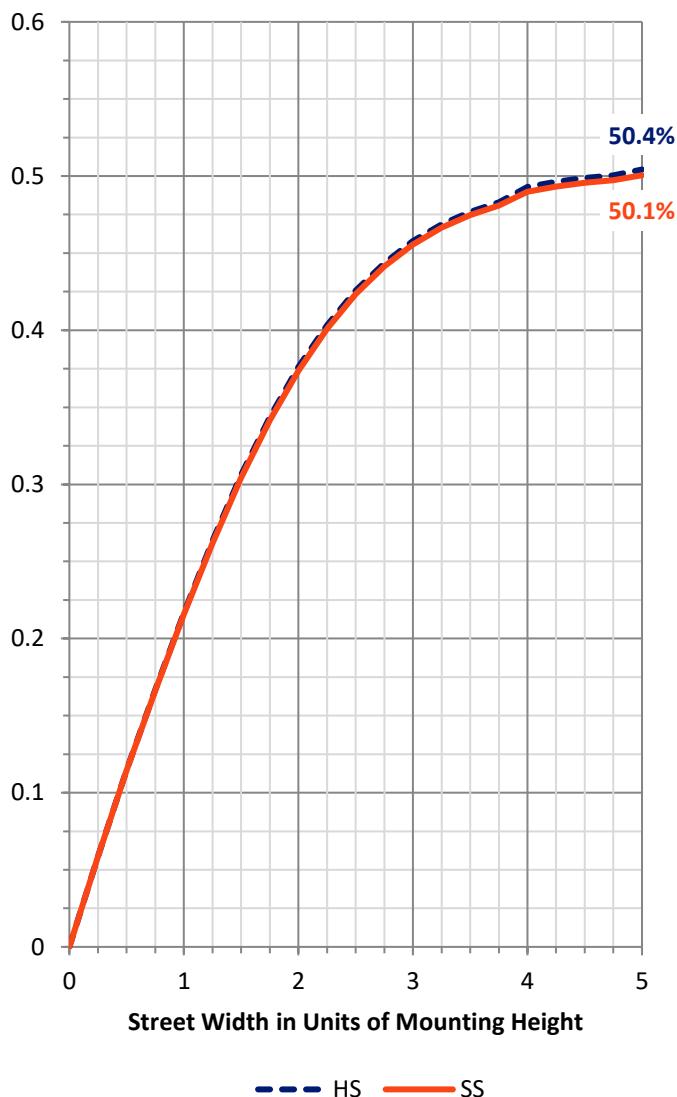
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15026.0	0.0	15026.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15026.0	0.0	15026.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30052.0	0.0	30052.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.8	0.8
10°-20°	674.3	2.2
20°-30°	1149.6	3.8
30°-40°	1796.4	6.0
40°-50°	3044.4	10.1
50°-60°	5551.7	18.5
60°-70°	9557.6	31.8
70°-80°	7491.6	24.9
80°-90°	555.5	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°	30052.0	100.0
0°-180°	30052.0	100.0

Coefficient of Utilization

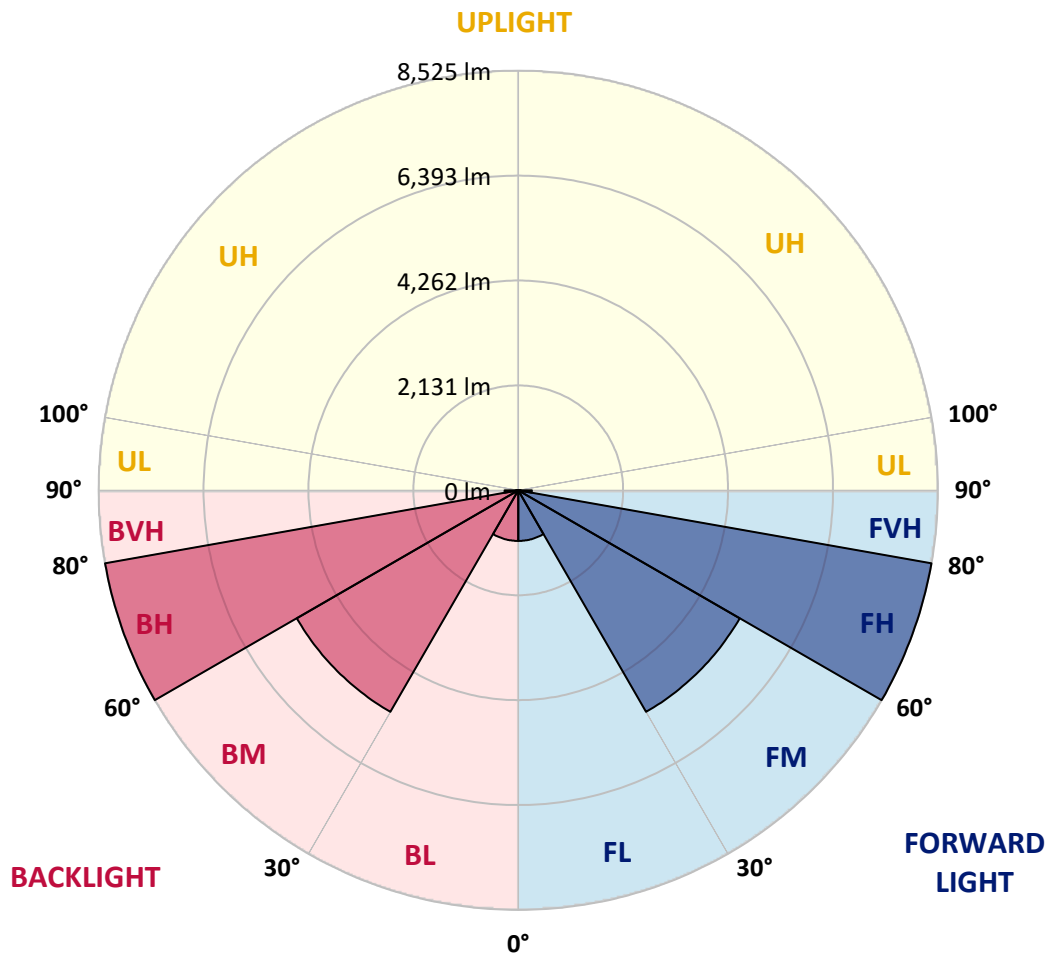


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1027.4	3.4			
FM (30°-60°)	5196.2	17.3			
FH (60°-80°)	8524.6	28.4			G4/12000
FVH (80°-90°)	277.7	0.9			G3/500
BL (0°-30°)	1027.4	3.4	B3/2500		
BM (30°-60°)	5196.2	17.3	B4/8500		
BH (60°-80°)	8524.6	28.4	B5		G4/12000
BVH (80°-90°)	277.7	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°	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3
2.5°	2462.3	2465.3	2462.3	2464.3	2459.4	2461.4	2461.4	2461.4	2460.4	2461.4	2459.4
5°	2440.5	2442.5	2438.5	2440.5	2437.5	2440.5	2441.5	2440.5	2438.5	2439.5	2435.5
7.5°	2407.7	2409.7	2406.7	2409.7	2405.7	2410.7	2409.7	2406.7	2403.7	2403.7	2399.7
10°	2389.8	2390.8	2382.8	2379.8	2370.9	2372.9	2375.9	2378.8	2381.8	2387.8	2386.8
12.5°	2390.8	2390.8	2378.8	2365.9	2353.0	2356.0	2361.0	2371.9	2383.8	2394.8	2395.7
15°	2400.7	2399.7	2381.8	2361.0	2352.0	2361.0	2363.9	2370.9	2389.8	2408.7	2409.7
17.5°	2407.7	2407.7	2379.8	2356.0	2355.0	2368.9	2367.9	2370.9	2391.8	2419.6	2420.6
20°	2420.6	2420.6	2384.8	2359.0	2359.0	2373.9	2374.9	2379.8	2400.7	2431.5	2436.5
22.5°	2449.4	2450.4	2412.6	2391.8	2393.8	2402.7	2405.7	2413.6	2432.5	2466.3	2472.3
25°	2490.2	2492.2	2453.4	2441.5	2448.4	2465.3	2463.3	2469.3	2490.2	2523.0	2529.0
27.5°	2546.8	2541.9	2506.1	2501.1	2508.1	2520.0	2519.0	2520.0	2536.9	2566.7	2573.7
30°	2620.4	2618.4	2592.6	2595.6	2592.6	2588.6	2589.6	2597.5	2606.5	2630.3	2637.3
32.5°	2692.0	2694.0	2678.1	2693.0	2714.8	2729.8	2706.9	2685.0	2675.1	2688.0	2694.0
35°	2821.2	2826.2	2801.3	2791.4	2821.2	2865.0	2800.3	2764.6	2784.4	2801.3	2806.3
37.5°	3040.9	3043.9	3002.1	2962.4	2940.5	2982.3	2917.6	2920.6	2990.2	3022.0	3021.0
40°	3291.4	3292.4	3264.6	3229.8	3192.0	3201.9	3176.1	3184.1	3229.8	3258.6	3266.6
42.5°	3589.6	3586.7	3542.9	3493.2	3482.3	3492.2	3448.5	3442.5	3495.2	3546.9	3547.9
45°	3976.3	3969.4	3912.7	3858.0	3805.4	3783.5	3772.6	3801.4	3873.9	3921.7	3922.7
47.5°	4392.9	4374.0	4344.2	4300.4	4254.7	4232.8	4214.9	4228.8	4281.5	4300.4	4302.4
50°	4821.3	4825.3	4831.3	4814.4	4797.5	4790.5	4743.8	4716.9	4732.8	4698.0	4693.1
52.5°	5329.3	5337.2	5394.9	5443.6	5472.4	5487.3	5398.9	5306.4	5254.7	5187.1	5167.3
55°	5928.7	5941.6	6026.1	6161.3	6300.5	6374.1	6214.0	6041.1	5881.0	5754.8	5714.0
57.5°	6596.7	6619.6	6735.9	6995.4	7280.7	7454.6	7184.3	6870.1	6561.0	6379.0	6347.2
60°	7380.1	7402.0	7563.0	7934.8	8397.0	8658.5	8248.9	7735.0	7350.3	7176.3	7117.6
62.5°	8312.5	8314.5	8512.4	8946.8	9557.1	9921.0	9366.3	8679.4	8282.7	8073.0	8016.3
65°	9315.6	9320.5	9525.3	9994.5	10625.8	11021.4	10395.1	9679.4	9194.3	8885.1	8841.4
67.5°	10024.4	10045.2	10260.9	10825.6	11416.1	11772.9	11124.8	10315.6	9755.0	9386.2	9349.4
70°	9911.0	9992.5	10246.0	10905.1	11726.2	12235.2	11243.1	10240.1	9500.5	9065.1	9034.2
72.5°	8643.6	8799.6	9137.6	10002.5	11315.7	12016.5	10597.9	9171.4	8334.4	7963.6	7907.9
75°	5886.0	6139.5	6649.4	7897.0	9667.5	10404.1	8921.9	7312.5	6525.2	6012.2	5974.5
77.5°	2624.4	2682.0	3328.2	4764.6	6671.3	7471.5	6482.4	4783.5	3590.6	2864.0	2710.9
80°	731.6	740.6	988.1	1774.4	3339.1	4389.9	3584.7	1863.9	1047.8	738.6	695.9
82.5°	232.6	252.5	308.2	460.3	1122.3	2003.1	1152.1	497.0	353.9	282.3	254.5
85°	113.3	112.3	156.1	186.9	286.3	443.4	305.2	230.6	201.8	134.2	121.3
87.5°	47.7	48.7	72.6	65.6	83.5	71.6	98.4	103.4	108.4	59.6	51.7
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)