

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: P317118

Luminaire Tested: **GAN-SA4B-740-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317118  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA4B-740-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23563 lumens  
Efficiency: N/A  
Efficacy: 137.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

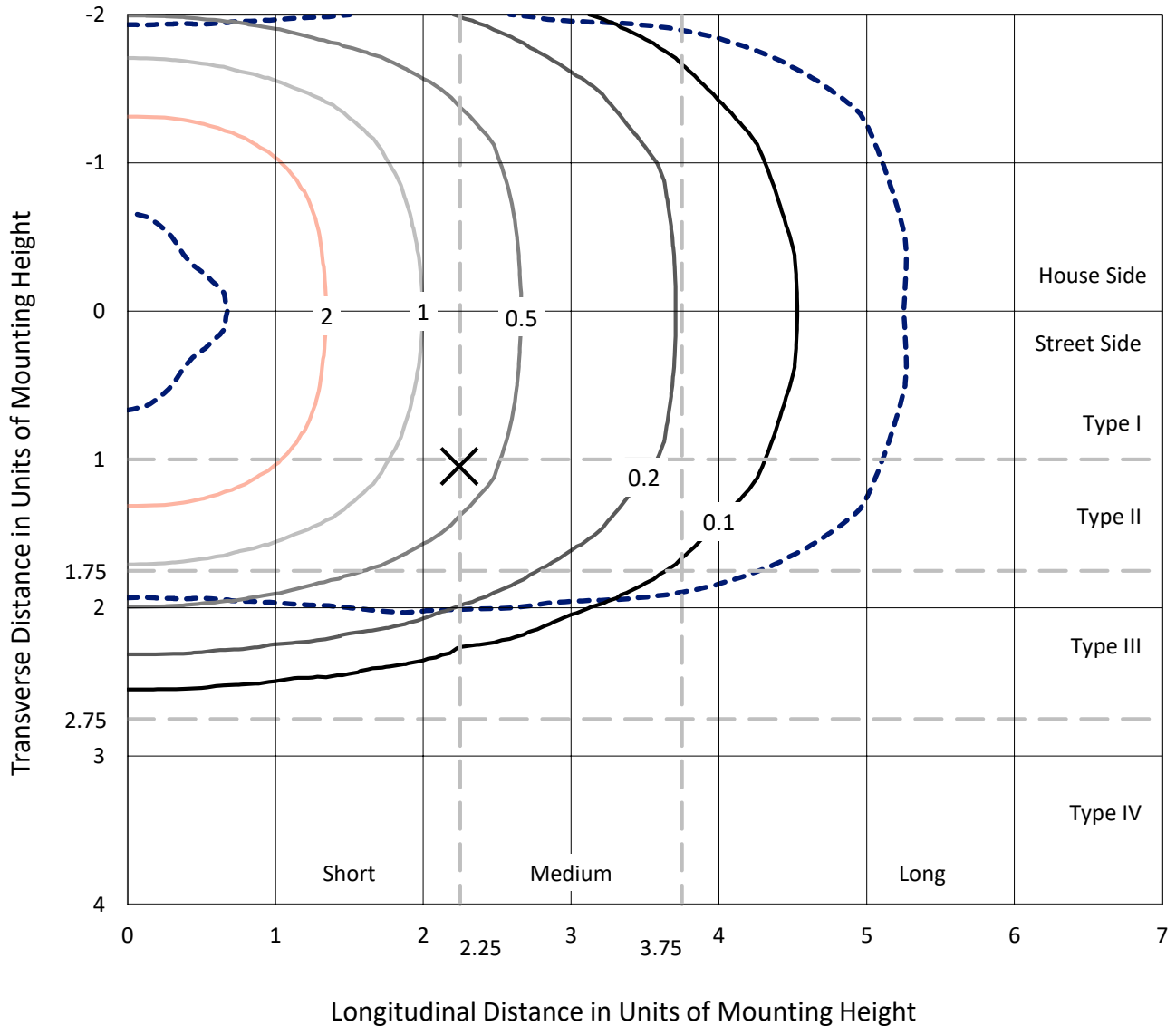
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

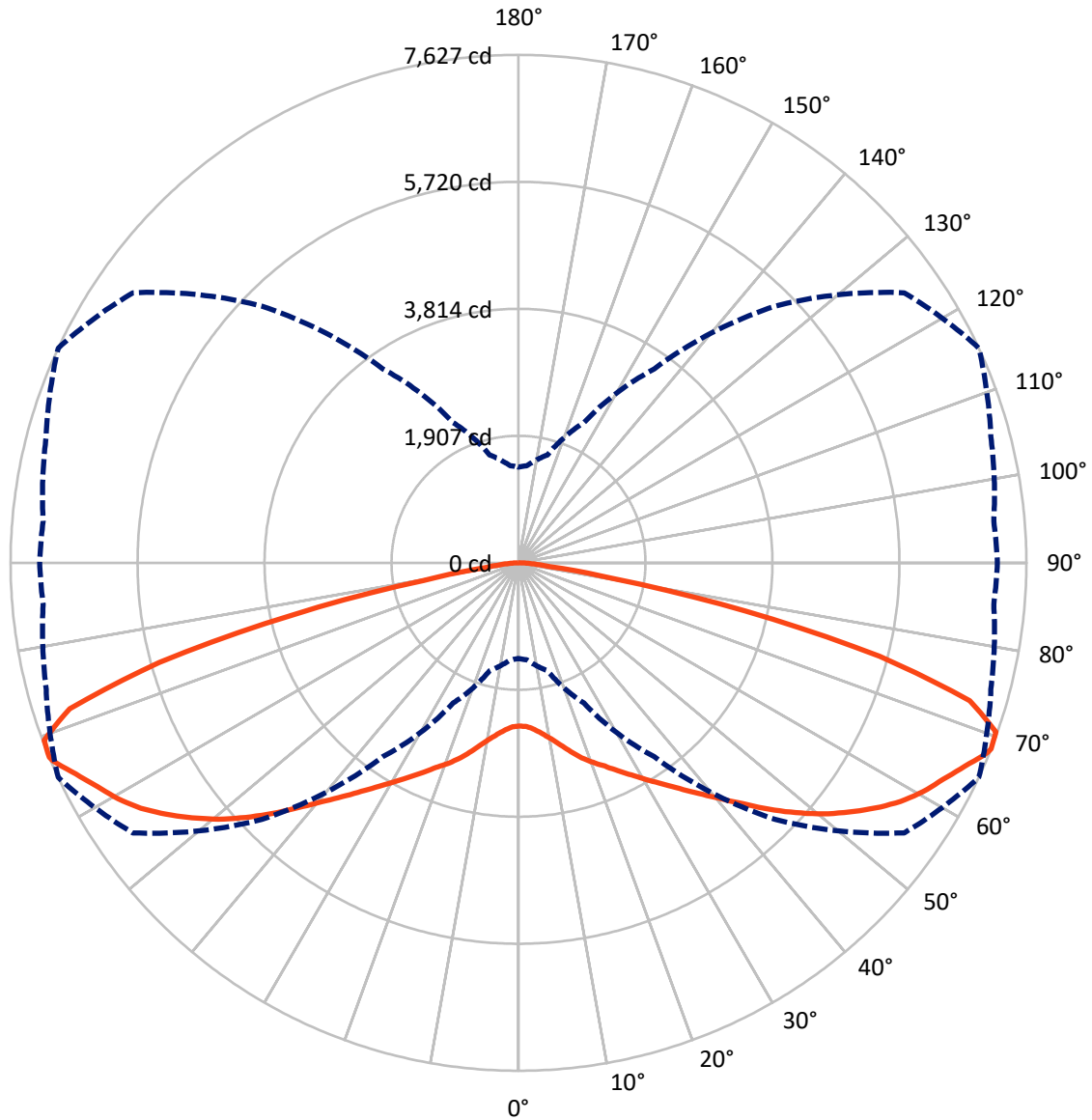
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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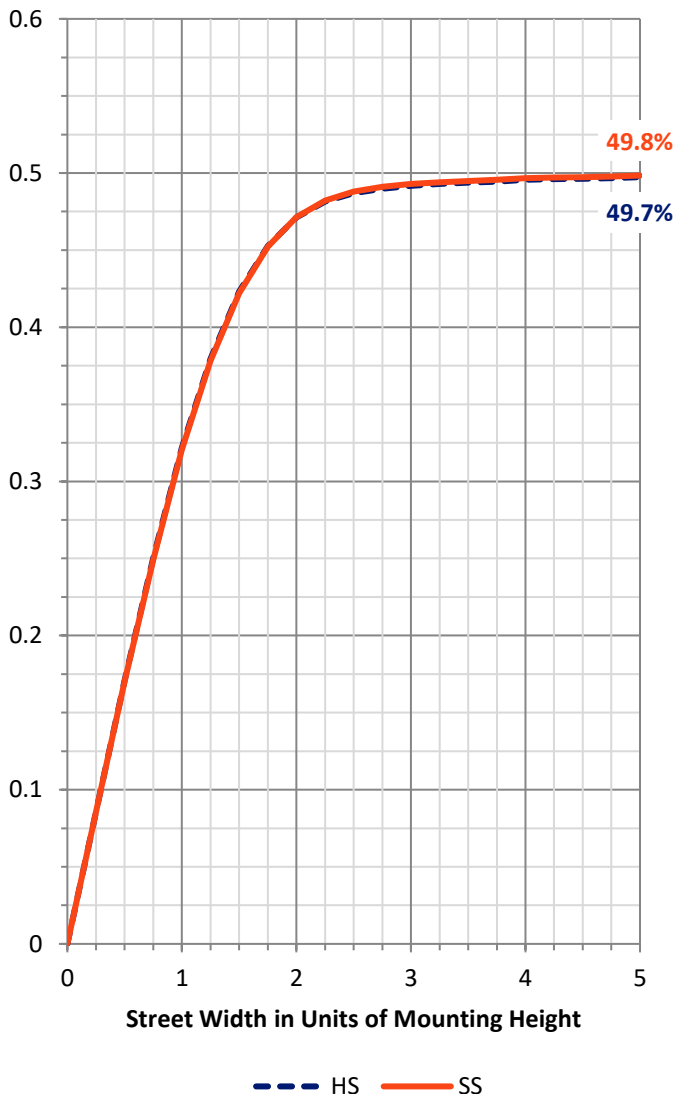
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11781.5	0.0	11781.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11781.5	0.0	11781.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23563.0	0.0	23563.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.9	1.0
10°-20°	803.2	3.4
20°-30°	1566.0	6.6
30°-40°	2630.8	11.2
40°-50°	4145.2	17.6
50°-60°	5543.5	23.5
60°-70°	5389.0	22.9
70°-80°	2945.9	12.5
80°-90°	299.6	1.3
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°	23563.0	100.0
0°-180°	23563.0	100.0



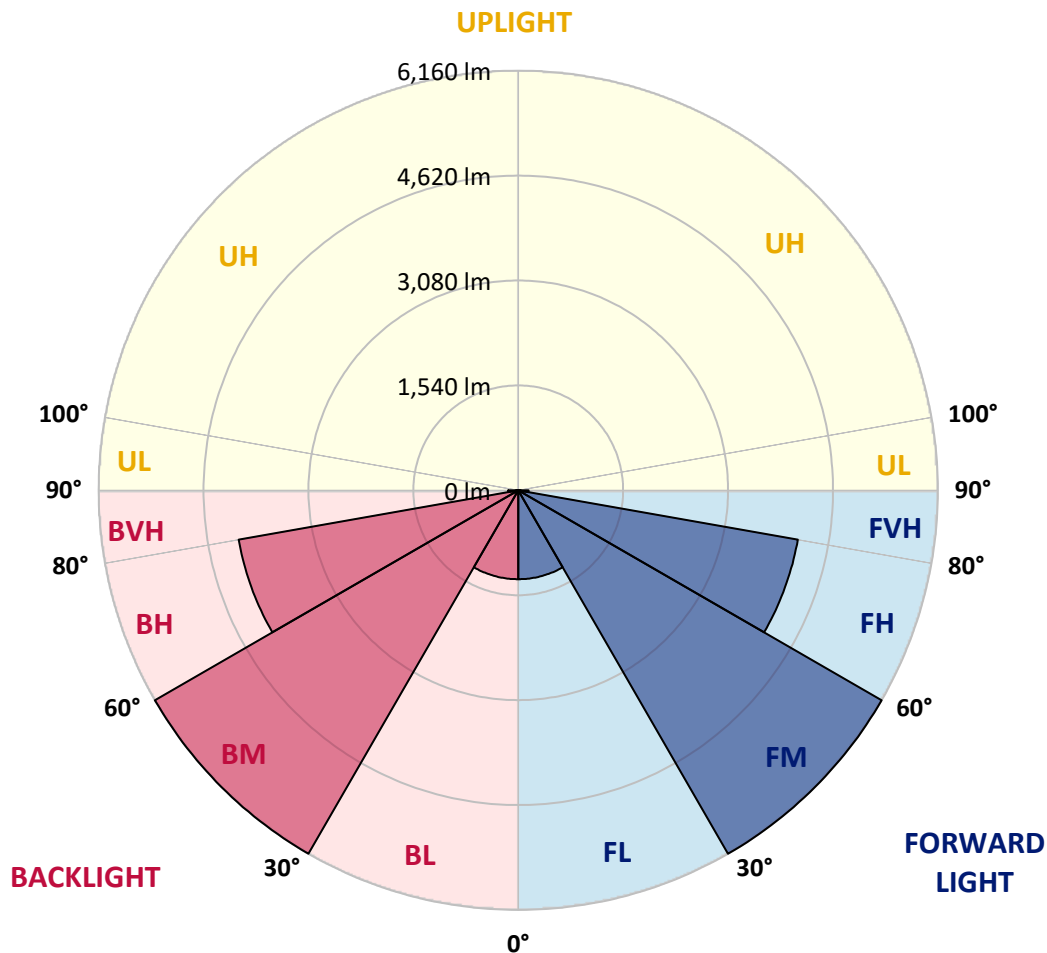
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1304.5	5.5			
FM (30°-60°)	6159.7	26.1			
FH (60°-80°)	4167.4	17.7			G2/5000
FVH (80°-90°)	149.8	0.6			G2/225
BL (0°-30°)	1304.5	5.5	B3/2500		
BM (30°-60°)	6159.7	26.1	B4/8500		
BH (60°-80°)	4167.4	17.7	B4/5000		G4/5000
BVH (80°-90°)	149.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2450.0	2450.0	2450.0	2450.0	2450.0	2450.0	2450.0	2450.0	2450.0	2450.0	2450.0
2.5°	2432.6	2433.4	2437.4	2442.1	2446.0	2456.3	2458.7	2462.6	2464.2	2468.2	2468.2
5°	2411.3	2412.9	2422.3	2435.0	2449.2	2474.5	2492.7	2513.2	2523.5	2534.5	2533.7
7.5°	2408.9	2412.9	2426.3	2446.8	2470.5	2512.4	2550.3	2591.4	2619.1	2644.4	2642.8
10°	2433.4	2439.7	2458.7	2489.5	2525.1	2577.2	2633.3	2688.6	2736.8	2775.5	2777.1
12.5°	2470.5	2478.4	2508.5	2555.1	2608.8	2676.0	2742.3	2804.7	2871.1	2928.8	2933.5
15°	2519.5	2529.8	2574.8	2644.4	2726.5	2806.3	2877.4	2941.4	3018.1	3097.9	3105.8
17.5°	2592.2	2606.4	2665.7	2759.7	2867.9	2955.6	3029.9	3078.1	3142.1	3224.3	3239.3
20°	2702.8	2721.0	2796.0	2908.2	3040.2	3131.8	3188.7	3199.0	3230.6	3304.1	3321.4
22.5°	2846.6	2862.4	2946.2	3079.7	3227.4	3327.0	3357.0	3315.9	3312.8	3372.0	3388.6
25°	3007.0	3021.2	3118.4	3268.5	3427.3	3537.1	3536.3	3456.5	3401.2	3447.1	3464.4
27.5°	3187.1	3209.3	3302.5	3460.5	3630.4	3738.6	3732.3	3609.0	3503.9	3515.8	3530.8
30°	3394.1	3418.6	3509.5	3669.9	3839.7	3945.6	3937.7	3774.9	3616.9	3585.3	3596.4
32.5°	3650.9	3680.1	3766.2	3924.3	4074.4	4170.0	4147.1	3955.1	3752.8	3684.1	3694.4
35°	3959.8	3977.2	4068.1	4223.7	4345.4	4410.9	4362.7	4163.7	3925.1	3842.1	3842.1
37.5°	4272.7	4286.1	4388.0	4538.9	4656.7	4691.4	4597.4	4392.0	4150.2	4032.5	4034.9
40°	4572.9	4609.3	4723.8	4878.7	4994.8	5004.3	4879.5	4652.7	4400.7	4279.0	4293.2
42.5°	4886.6	4922.1	5058.8	5234.2	5336.9	5352.7	5206.5	4945.0	4683.5	4584.8	4600.6
45°	5166.2	5194.7	5352.7	5556.5	5684.5	5725.6	5552.6	5280.0	4989.3	4892.9	4896.8
47.5°	5361.4	5398.5	5572.3	5812.5	5999.0	6062.2	5892.3	5606.3	5290.3	5173.4	5183.6
50°	5538.4	5558.1	5734.3	5996.6	6233.6	6364.0	6218.6	5928.7	5594.5	5470.4	5481.5
52.5°	5637.1	5662.4	5833.1	6106.4	6386.9	6597.1	6508.6	6218.6	5888.4	5767.5	5780.9
55°	5568.4	5587.4	5792.0	6130.9	6481.7	6740.9	6754.3	6502.3	6176.7	6070.9	6108.8
57.5°	5255.5	5279.2	5528.9	5972.9	6493.6	6838.0	6939.2	6765.3	6446.2	6360.0	6382.2
60°	4766.5	4781.5	5047.7	5547.1	6262.9	6878.3	7056.9	6980.2	6710.0	6623.9	6653.9
62.5°	3895.0	3917.2	4235.5	4904.7	5775.4	6759.0	7170.6	7158.0	6955.7	6876.7	6903.6
65°	2662.5	2701.2	3053.6	3899.8	5024.0	6394.0	7274.1	7365.0	7173.0	7073.5	7109.0
67.5°	1607.8	1636.2	1891.4	2574.8	3844.5	5657.7	7167.5	7600.4	7326.3	7165.9	7195.1
68°	1437.1	1463.2	1676.5	2323.6	3556.1	5449.9	7070.3	7627.3	7342.9	7164.3	7190.4
70°	868.3	885.7	1028.7	1436.3	2371.0	4323.2	6407.4	7605.2	7448.8	7186.4	7201.5
72.5°	565.7	571.2	594.9	737.1	1211.2	2417.6	4809.1	7086.9	7607.6	7315.2	7312.9
75°	470.1	466.9	469.3	485.9	597.3	1060.3	2810.3	5598.4	7252.0	7112.2	7062.4
77.5°	397.4	395.0	394.2	395.0	399.8	512.0	1219.9	3487.4	5549.4	6291.3	6335.5
80°	321.6	318.4	328.7	323.9	309.7	318.4	511.2	1450.6	2615.9	2814.2	2637.2
82.5°	233.9	222.0	266.3	253.6	241.8	224.4	282.1	468.5	624.2	428.2	301.0
85°	180.1	167.5	202.3	194.4	165.9	114.6	167.5	229.1	252.8	144.6	113.8
87.5°	73.5	77.4	146.2	115.3	97.2	55.3	68.7	91.6	123.3	61.6	47.4
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)