

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: P316758

Luminaire Tested: **GAN-SA4B-730-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316758  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA4B-730-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21655 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

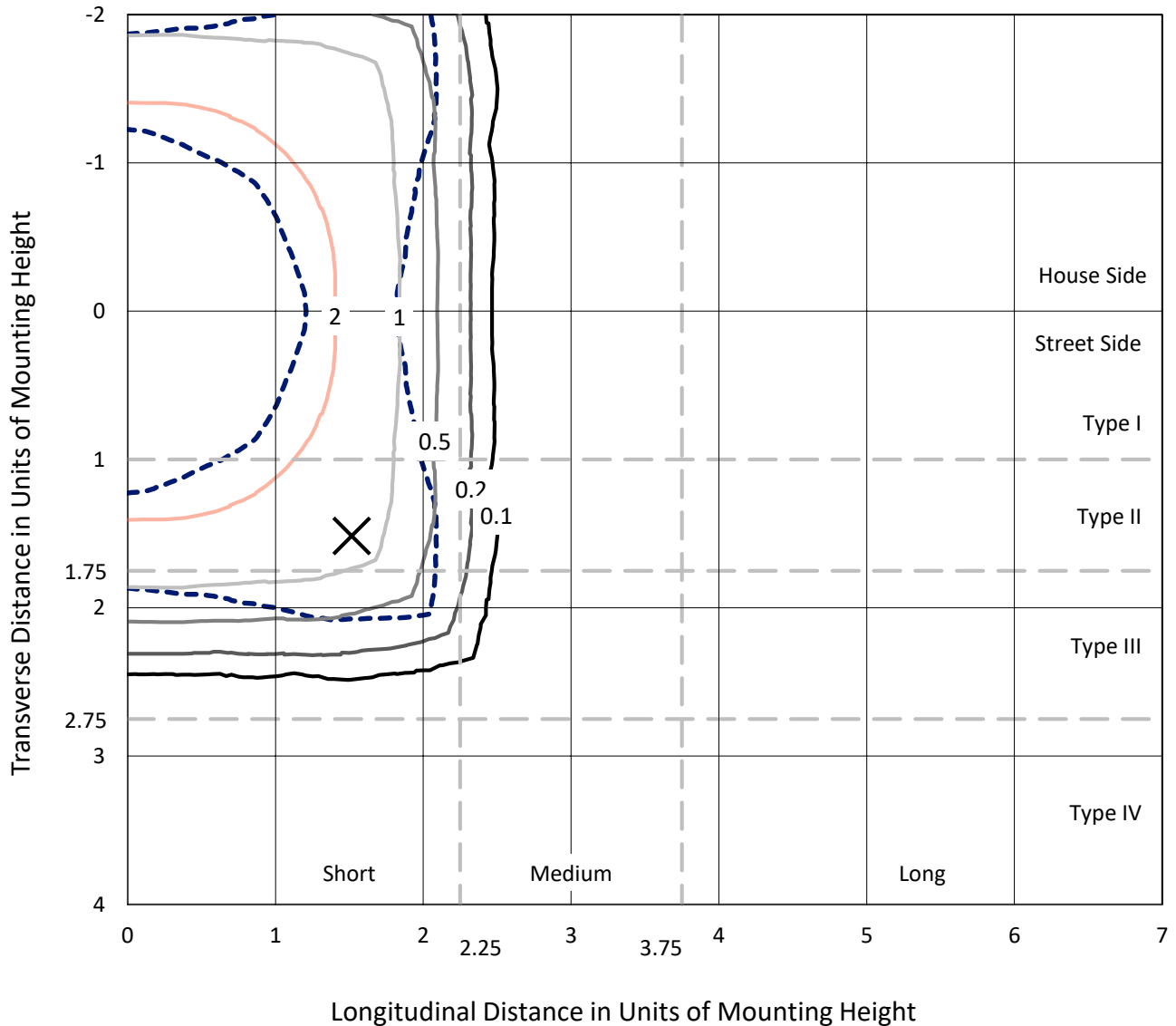
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

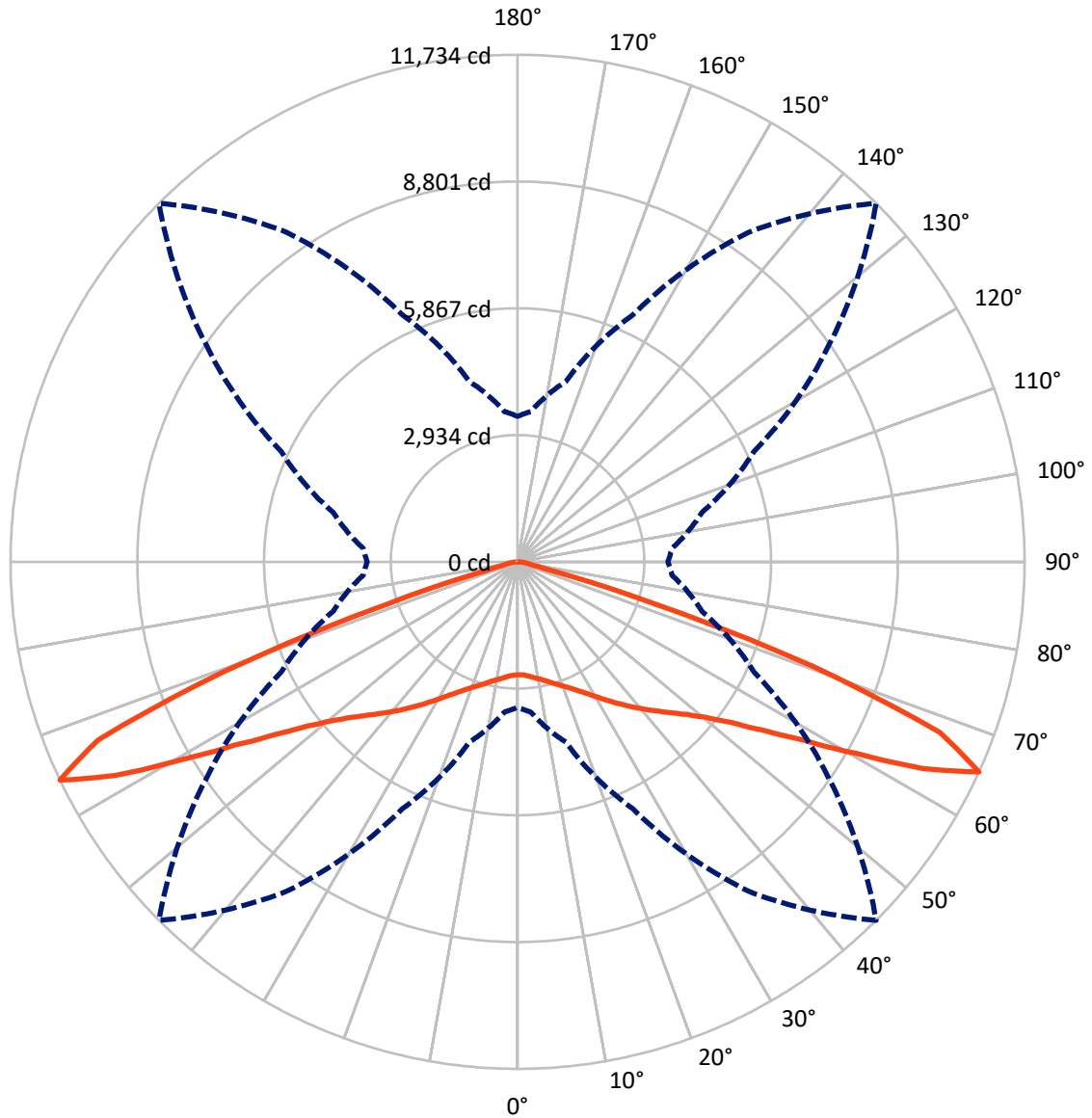
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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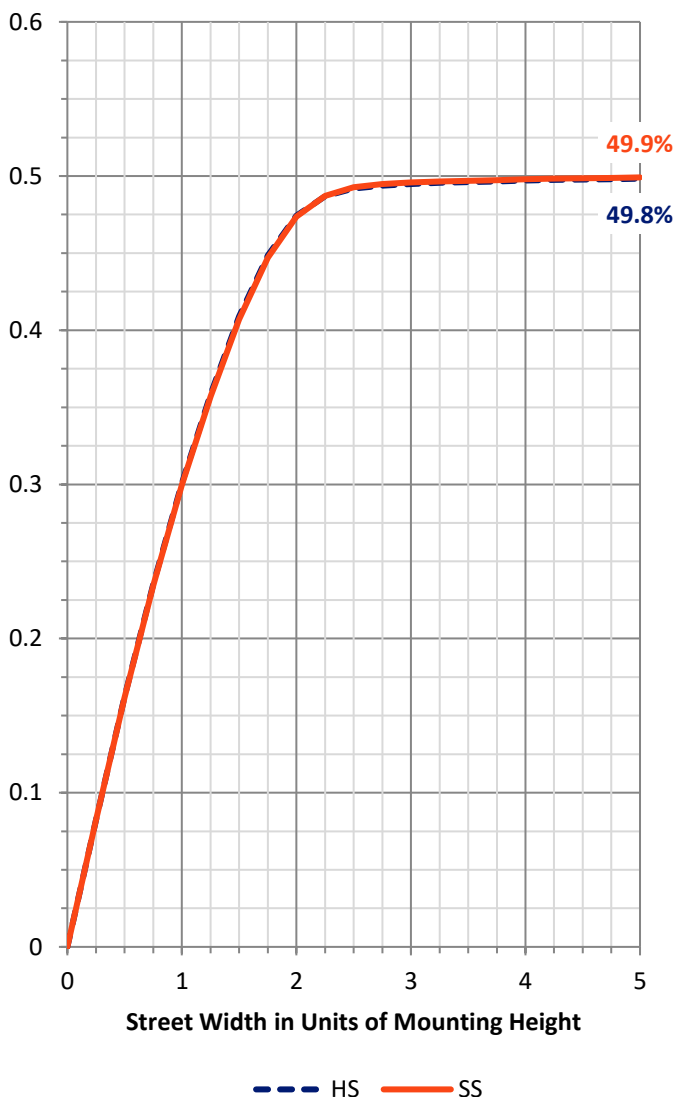
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10827.5	0.0	10827.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10827.5	0.0	10827.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21655.0	0.0	21655.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.6	1.2
10°-20°	824.7	3.8
20°-30°	1547.3	7.1
30°-40°	2558.9	11.8
40°-50°	3963.5	18.3
50°-60°	6078.8	28.1
60°-70°	5672.2	26.2
70°-80°	660.2	3.0
80°-90°	92.8	0.4
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°	21655.0	100.0
0°-180°	21655.0	100.0

**Coefficient of Utilization**



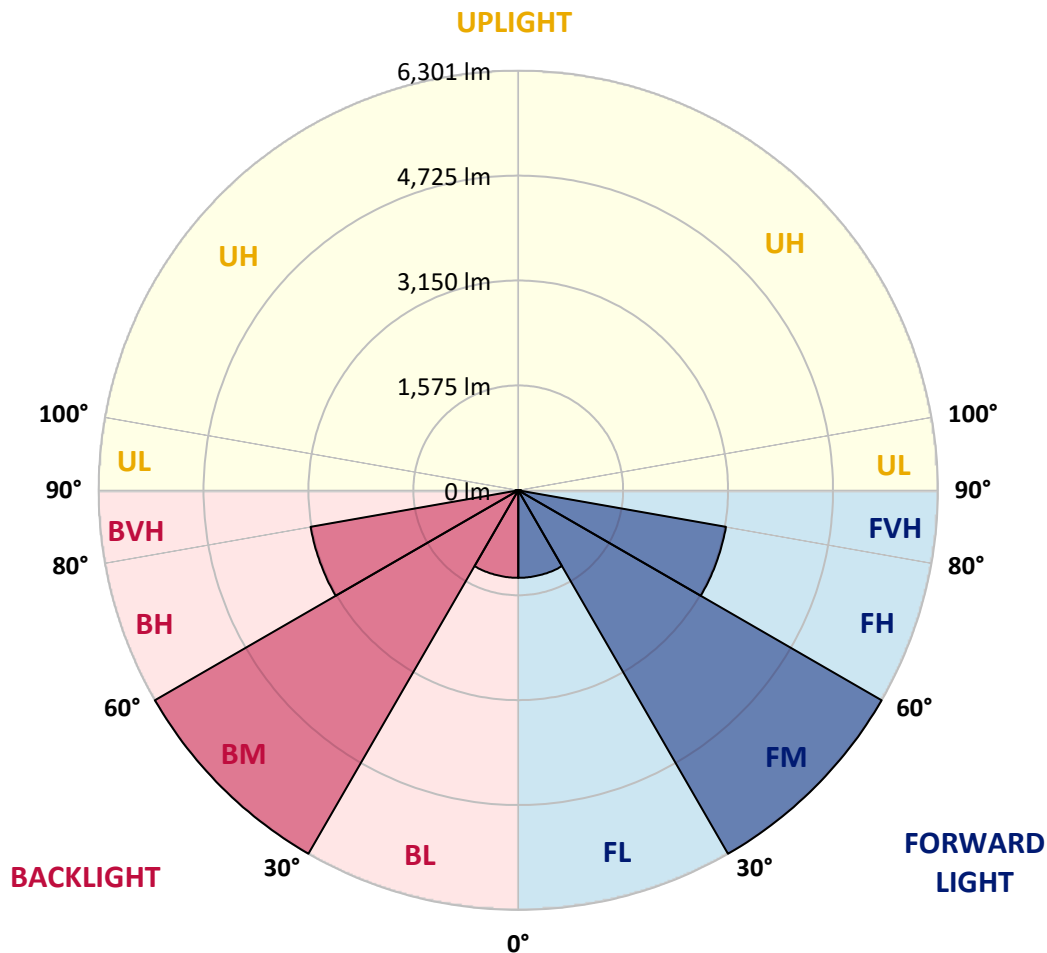
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1314.3	6.1			
FM (30°-60°)	6300.6	29.1			
FH (60°-80°)	3166.2	14.6			G2/5000
FVH (80°-90°)	46.4	0.2			G1/100
BL (0°-30°)	1314.3	6.1	B3/2500		
BM (30°-60°)	6300.6	29.1	B4/8500		
BH (60°-80°)	3166.2	14.6	B4/5000		G2/5000
BVH (80°-90°)	46.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2615.1	2615.1	2615.1	2615.1	2615.1	2615.1	2615.1	2615.1	2615.1	2615.1	2615.1
2.5°	2623.7	2622.3	2623.7	2624.5	2620.1	2622.3	2621.6	2625.2	2626.6	2625.2	2625.2
5°	2653.9	2651.8	2654.7	2658.2	2652.5	2653.9	2651.8	2656.1	2657.5	2654.7	2656.8
7.5°	2695.6	2696.3	2699.2	2705.7	2702.1	2705.0	2700.7	2701.4	2700.7	2696.3	2697.1
10°	2740.9	2741.6	2746.7	2755.3	2756.7	2756.7	2753.9	2751.7	2748.8	2745.9	2746.7
12.5°	2795.5	2799.1	2802.7	2813.5	2813.5	2819.3	2817.8	2812.1	2807.0	2802.7	2802.7
15°	2869.6	2868.9	2873.2	2884.0	2889.0	2898.3	2898.3	2890.4	2884.0	2879.6	2878.2
17.5°	2947.2	2949.4	2952.2	2965.2	2973.1	2983.9	2985.3	2978.8	2974.5	2968.8	2965.2
20°	3037.8	3041.4	3052.9	3057.9	3065.1	3075.2	3078.8	3077.3	3073.0	3070.1	3070.9
22.5°	3143.5	3152.8	3160.0	3167.2	3175.8	3183.0	3186.6	3191.6	3187.3	3185.2	3183.7
25°	3271.4	3277.9	3292.3	3305.2	3310.9	3313.1	3317.4	3324.6	3323.9	3318.9	3318.9
27.5°	3416.6	3428.8	3446.8	3465.5	3465.5	3458.3	3472.7	3484.9	3480.6	3474.1	3465.5
30°	3592.7	3604.2	3625.1	3651.0	3638.0	3633.0	3652.4	3674.7	3668.2	3657.4	3656.0
32.5°	3782.5	3793.3	3820.6	3848.6	3832.1	3824.9	3845.8	3878.1	3866.6	3845.0	3832.1
35°	3988.1	3998.9	4037.7	4071.5	4043.4	4031.2	4048.5	4083.7	4063.6	4023.3	4013.2
37.5°	4211.6	4217.4	4267.7	4302.2	4282.8	4250.5	4272.0	4297.9	4280.7	4231.8	4212.4
40°	4443.8	4464.7	4522.9	4563.2	4529.4	4478.3	4514.3	4550.2	4524.3	4461.8	4428.7
42.5°	4714.8	4730.6	4808.3	4844.2	4789.6	4717.7	4766.6	4815.5	4789.6	4729.2	4700.5
45°	4996.6	5021.1	5113.8	5149.7	5070.6	4979.4	5039.0	5124.6	5122.4	5035.4	5005.2
47.5°	5303.6	5328.0	5438.7	5486.1	5400.6	5278.4	5362.5	5483.3	5474.6	5379.0	5354.6
50°	5657.9	5683.8	5821.8	5881.5	5801.7	5659.4	5785.9	5892.3	5876.5	5758.6	5760.7
52.5°	6102.9	6101.5	6273.3	6376.8	6294.8	6169.0	6285.5	6389.0	6323.6	6160.4	6155.4
55°	6492.5	6516.2	6729.0	6925.2	6920.2	6872.0	6918.8	6923.1	6736.2	6519.1	6492.5
57.5°	6748.4	6793.7	7093.4	7448.6	7714.5	7778.5	7687.9	7413.3	6975.6	6628.4	6586.0
60°	6591.0	6660.0	7130.8	7854.7	8638.2	9014.2	8503.1	7651.3	6789.4	6305.6	6248.1
62.5°	5528.5	5645.0	6334.4	7658.4	9433.2	10532.3	9094.0	7269.6	6049.0	5382.6	5284.1
65°	3367.0	3489.9	4320.9	6303.4	9304.6	11734.2	8824.4	6033.9	4415.1	3586.3	3479.9
67.5°	1122.1	1158.0	1647.6	3484.2	7312.7	10543.1	7324.9	3612.1	1921.4	1273.8	1236.4
70°	439.2	442.8	522.6	1010.0	3453.3	7241.5	3810.5	1027.9	546.3	432.0	441.4
72.5°	322.8	324.2	346.5	422.0	900.0	3190.2	932.3	424.1	337.1	302.6	302.6
75°	259.5	259.5	275.3	307.7	403.3	731.8	409.0	304.1	263.8	241.5	238.7
77.5°	204.9	209.2	221.4	242.2	273.2	352.2	283.2	240.8	212.8	191.9	187.6
80°	152.4	156.7	176.8	186.9	196.2	244.4	209.2	188.3	168.2	143.8	139.5
82.5°	99.9	104.2	129.4	135.1	133.0	159.6	140.9	138.7	123.6	92.7	88.4
85°	65.4	66.9	86.3	89.9	82.7	72.6	89.9	94.9	86.3	60.4	58.2
87.5°	30.9	30.9	43.8	41.0	37.4	30.2	41.0	48.2	48.9	29.5	28.8
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)