

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: P652924

Luminaire Tested: **GLAN-SA6C-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652924  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-840-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18288.4 lumens  
Efficiency: N/A  
Efficacy: 57.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

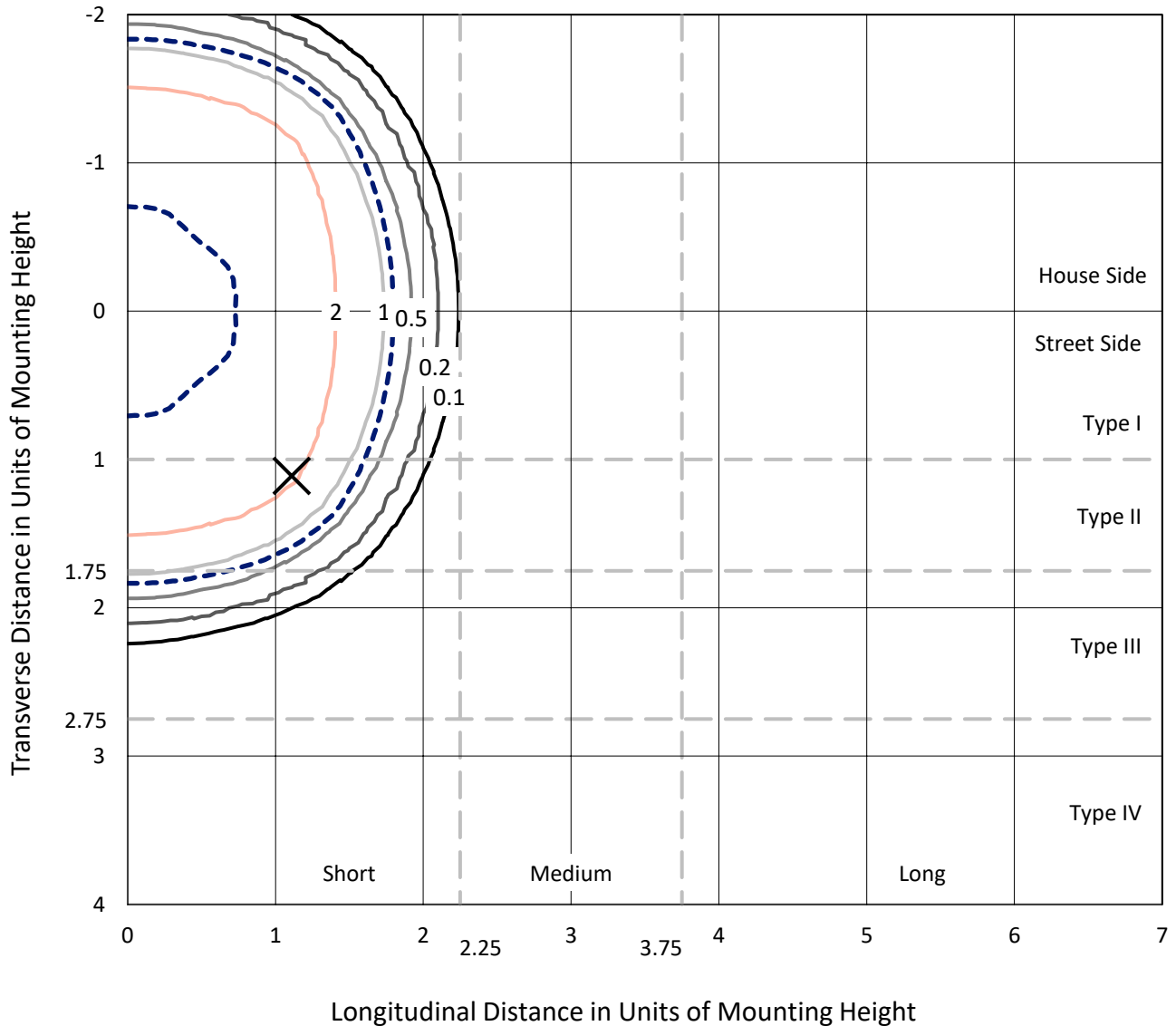
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

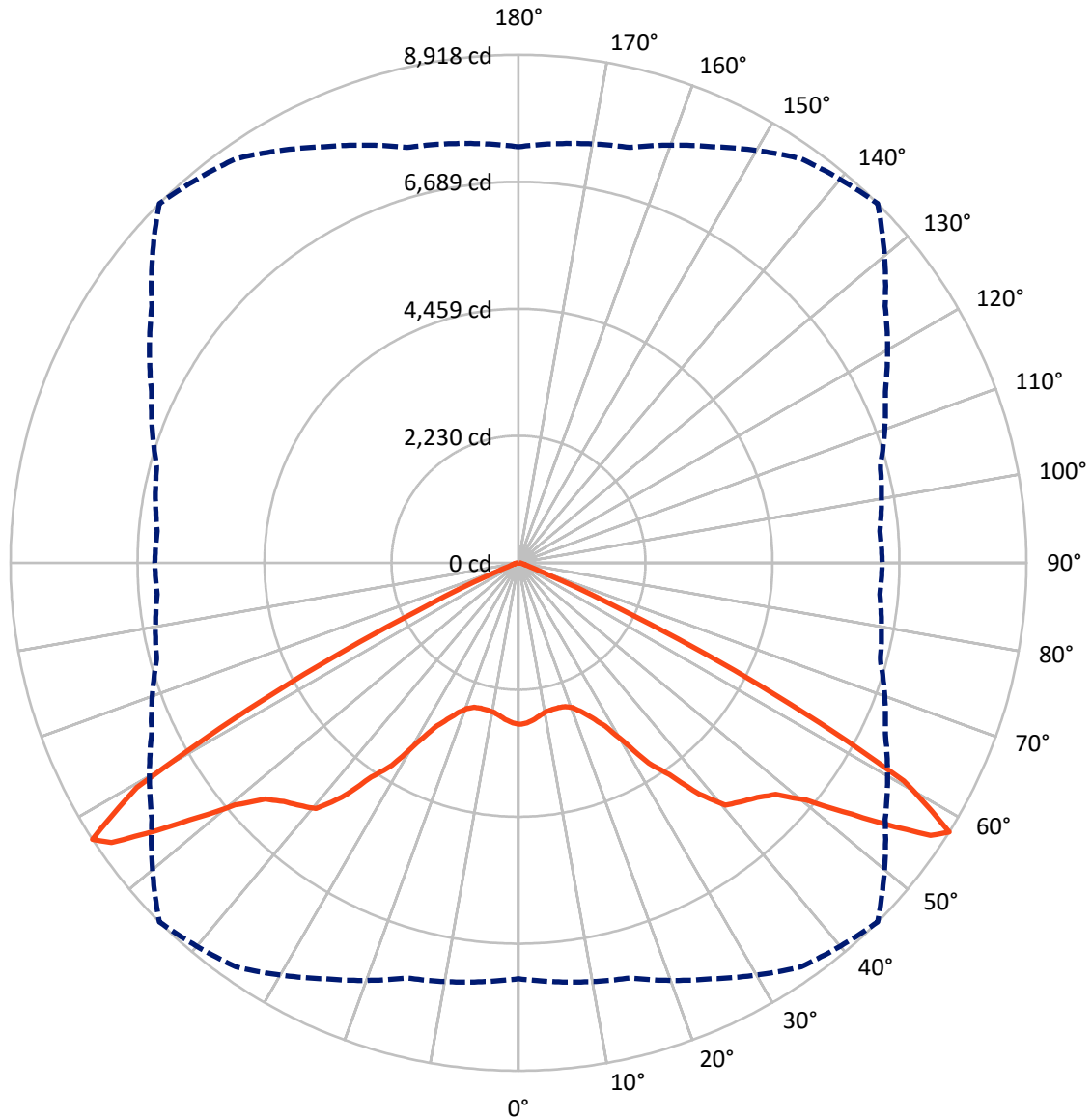
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 57.5-Deg Vertical

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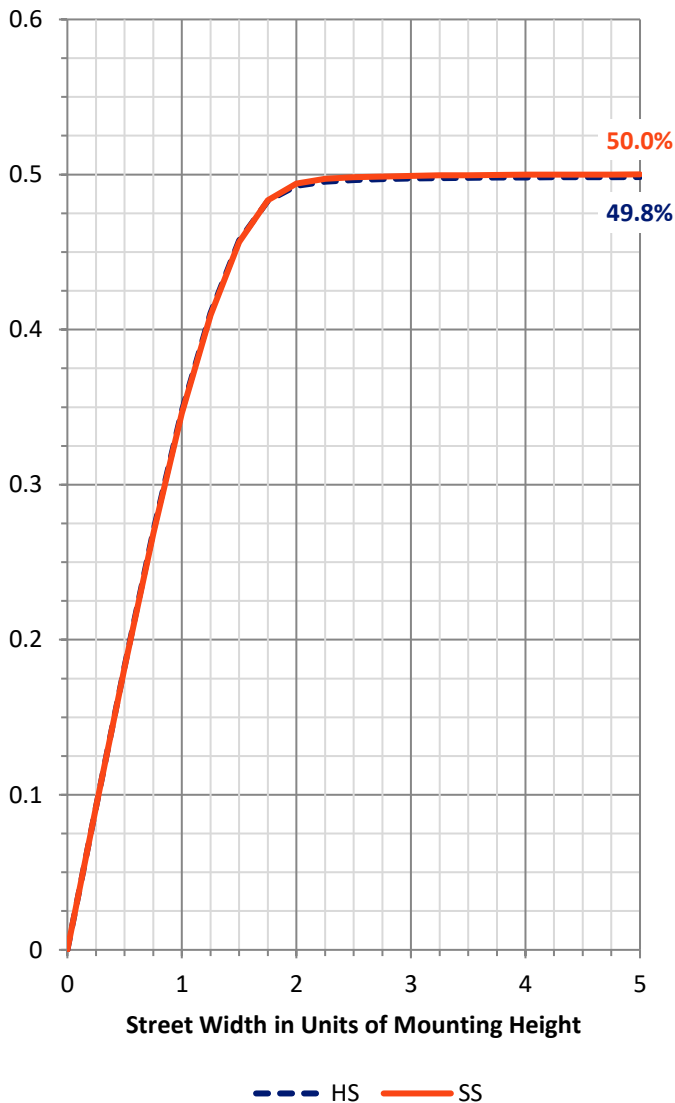
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9144.2	0.0	9144.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9144.2	0.0	9144.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18288.4	0.0	18288.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.7	1.4
10°-20°	753.5	4.1
20°-30°	1390.8	7.6
30°-40°	2735.2	15.0
40°-50°	4455.0	24.4
50°-60°	6353.3	34.7
60°-70°	2199.7	12.0
70°-80°	118.0	0.6
80°-90°	22.2	0.1
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°	18288.4	100.0
0°-180°	18288.4	100.0

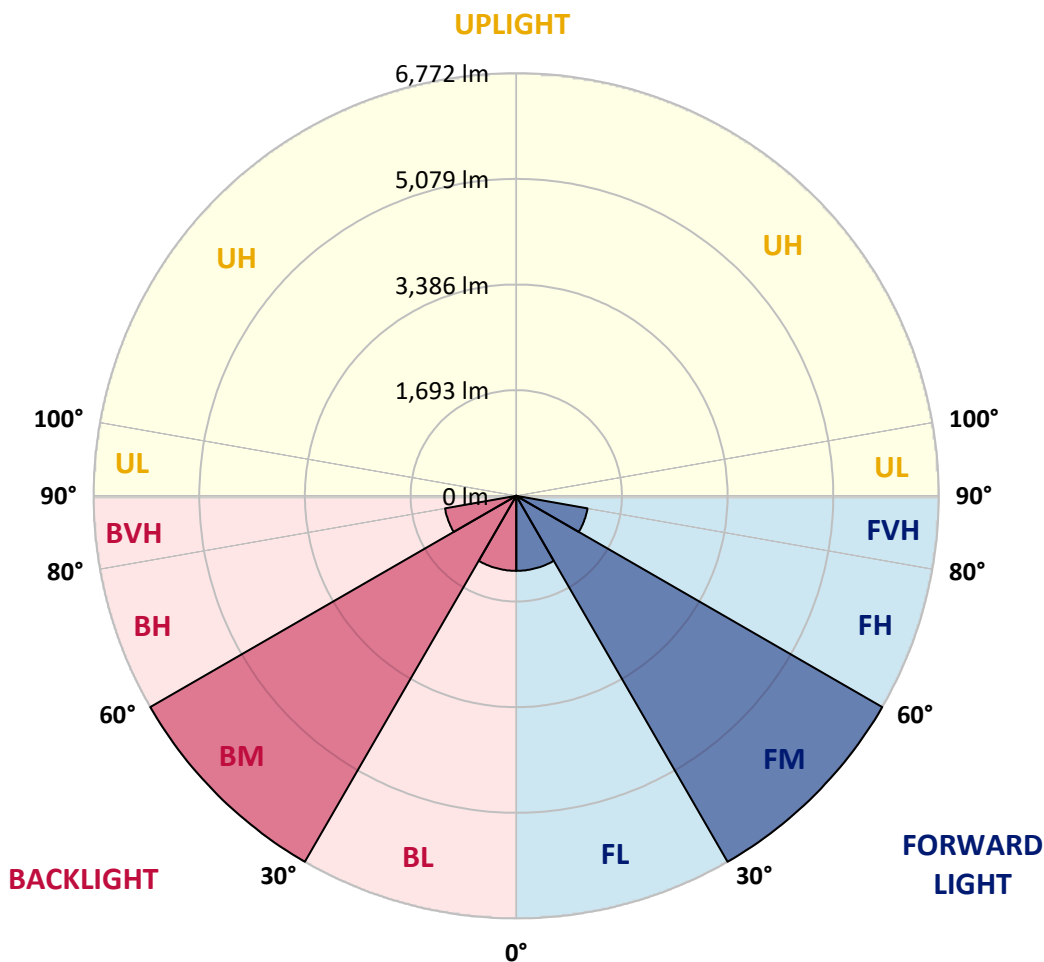


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1202.5	6.6			
FM (30°-60°)	6771.8	37.0			
FH (60°-80°)	1158.8	6.3			G1/1800
FVH (80°-90°)	11.1	0.1			G1/100
BL (0°-30°)	1202.5	6.6	B3/2500		
BM (30°-60°)	6771.8	37.0	B4/8500		
BH (60°-80°)	1158.8	6.3	B3/2500		G1/1800
BVH (80°-90°)	11.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2836.7	2836.7	2836.7	2836.7	2836.7	2836.7	2836.7	2836.7	2836.7	2836.7	2836.7
2.5°	2829.1	2844.3	2825.3	2817.7	2813.8	2813.8	2802.4	2802.4	2798.6	2802.4	2787.2
5°	2783.4	2798.6	2798.6	2794.8	2771.9	2768.1	2756.6	2749.1	2752.8	2737.6	2749.1
7.5°	2737.6	2749.1	2733.8	2730.0	2722.3	2707.1	2703.3	2669.0	2672.8	2672.8	2680.4
10°	2730.0	2726.2	2703.3	2684.2	2661.3	2657.6	2646.1	2638.5	2638.5	2634.6	2646.1
12.5°	2730.0	2710.9	2707.1	2665.1	2627.0	2642.3	2611.7	2592.7	2619.4	2627.0	2642.3
15°	2726.2	2745.2	2680.4	2661.3	2634.6	2638.5	2611.7	2592.7	2607.9	2615.6	2627.0
17.5°	2749.1	2737.6	2718.5	2680.4	2669.0	2653.7	2619.4	2604.2	2604.2	2623.2	2627.0
20°	2810.0	2779.5	2741.4	2722.3	2733.8	2714.7	2672.8	2615.6	2630.8	2646.1	2657.6
22.5°	2867.2	2844.3	2817.7	2806.2	2871.0	2840.6	2768.1	2703.3	2680.4	2707.1	2726.2
25°	2977.8	2977.8	2928.2	2943.5	3015.9	3019.7	2935.8	2821.5	2806.2	2817.7	2825.3
27.5°	3202.8	3214.2	3172.3	3187.5	3218.0	3244.7	3172.3	3077.0	3042.6	3038.8	3050.2
30°	3446.8	3469.6	3465.8	3530.7	3618.3	3633.6	3526.8	3370.5	3267.5	3248.5	3263.8
32.5°	3767.0	3778.4	3770.9	3847.1	4083.5	4194.1	3915.8	3694.6	3557.3	3591.7	3557.3
35°	4369.5	4358.1	4274.1	4289.4	4483.9	4563.9	4297.0	4156.0	4091.1	4159.8	4144.5
37.5°	4888.0	4846.1	4777.5	4876.5	5078.6	5151.1	4872.8	4624.9	4506.8	4621.1	4670.7
40°	5326.5	5219.8	5124.4	5223.5	5494.3	5593.4	5185.4	4983.3	4937.6	5021.4	5128.2
42.5°	5696.3	5627.7	5501.9	5509.5	5688.7	5734.4	5406.5	5288.4	5242.6	5376.0	5429.4
45°	5959.4	5894.6	5776.4	5768.8	5906.0	5875.5	5582.0	5501.9	5528.6	5616.3	5642.9
47.5°	6092.9	6127.2	6058.6	6077.6	6150.1	6077.6	5845.0	5845.0	5784.0	5837.4	5810.7
50°	6478.0	6371.2	6458.9	6458.9	6535.2	6542.7	6310.2	6226.3	6062.3	5970.8	5970.8
52.5°	6927.8	6935.5	6969.8	7095.6	7225.3	7335.8	7004.1	6645.7	6371.2	6253.0	6237.7
55°	7297.7	7374.0	7511.2	7747.6	8121.3	8273.8	7701.9	7061.3	6725.8	6542.7	6504.6
56°	7499.8	7427.3	7663.7	7987.8	8475.9	8674.1	7816.3	7145.2	6775.3	6569.5	6565.6
57.5°	7305.3	7385.4	7549.3	8060.2	8658.9	8918.1	7858.1	7107.0	6577.0	6367.4	6386.5
60°	5768.8	5845.0	6066.1	6638.1	7576.1	7778.1	6649.5	5860.3	5387.4	5086.3	5090.1
62.5°	3263.8	3320.9	3492.5	4022.5	4605.8	4800.3	4144.5	3618.3	3290.4	3122.7	3069.3
65°	1201.0	1178.2	1204.8	1475.5	1834.0	1997.9	1723.4	1456.5	1284.9	1223.9	1201.0
67.5°	449.9	415.6	388.9	415.6	522.3	552.9	507.1	423.2	396.5	408.0	415.6
70°	278.4	263.1	209.7	198.2	194.4	190.7	202.1	213.5	244.1	285.9	293.6
72.5°	194.4	183.0	148.7	141.0	133.5	129.6	148.7	163.9	190.7	221.2	225.0
75°	76.3	80.1	76.3	83.8	87.7	91.5	106.7	118.2	129.6	129.6	125.8
77.5°	15.2	15.2	22.9	30.5	38.1	49.5	72.4	83.8	87.7	83.8	72.4
80°	0.0	0.0	7.7	15.2	30.5	42.0	64.8	72.4	80.1	72.4	57.2
82.5°	0.0	0.0	7.7	19.1	30.5	38.1	61.0	76.3	87.7	80.1	61.0
85°	0.0	0.0	7.7	15.2	22.9	26.7	26.7	19.1	19.1	11.4	7.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)