

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: P530017

Luminaire Tested: **GLAN-SA5B-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530017  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA5B-727-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16371 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

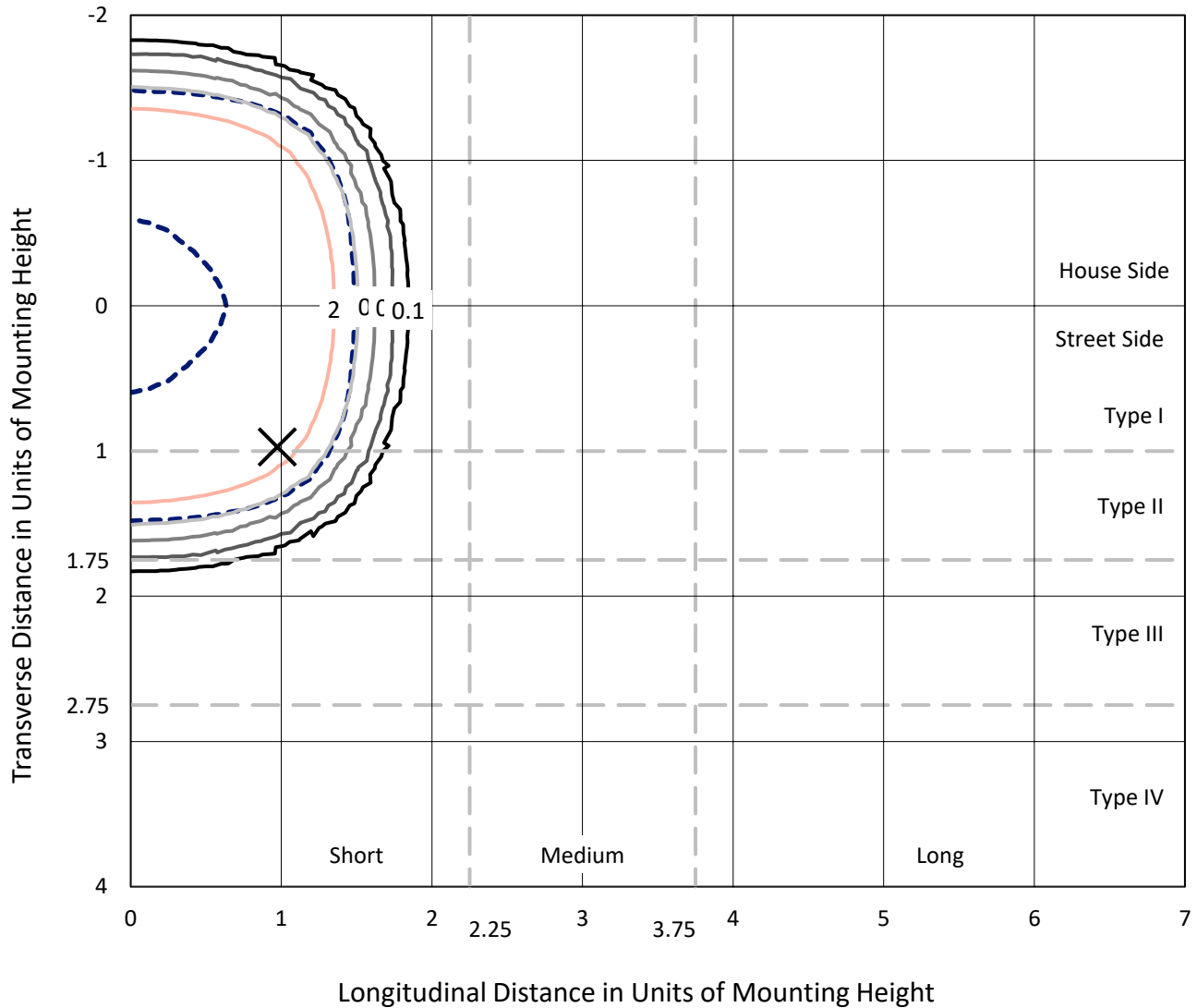
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

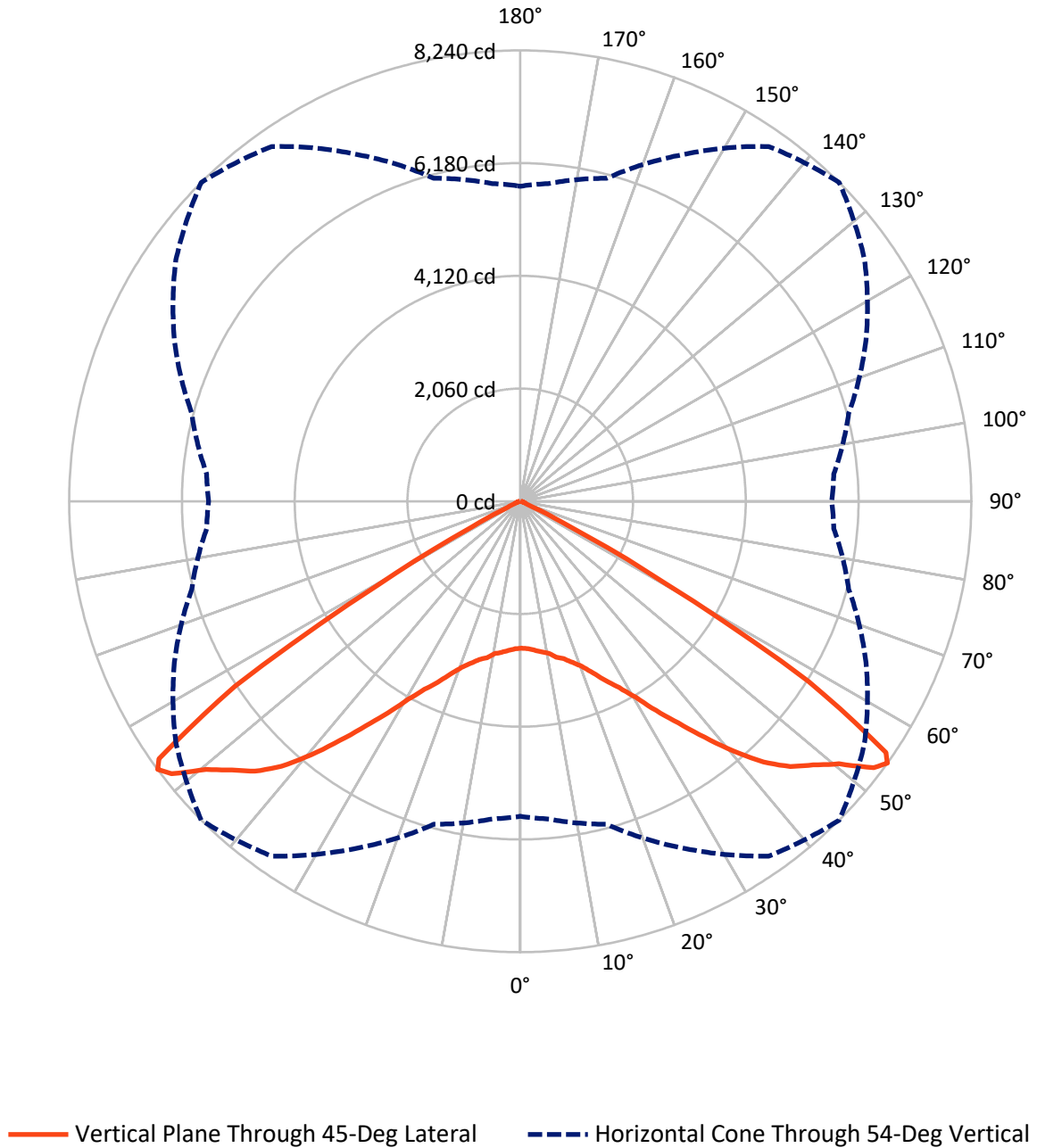
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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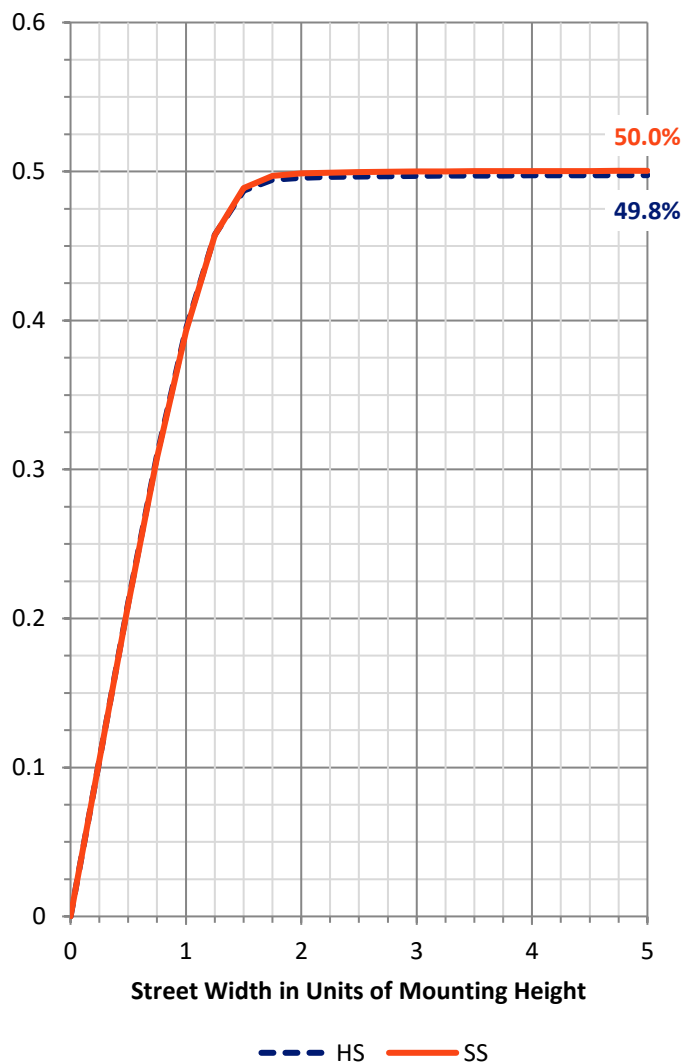
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8185.5	0.0	8185.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8185.5	0.0	8185.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16371.0	0.0	16371.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.7	1.6
10°-20°	850.8	5.2
20°-30°	1667.6	10.2
30°-40°	2998.6	18.3
40°-50°	5133.1	31.4
50°-60°	4966.8	30.3
60°-70°	425.2	2.6
70°-80°	50.4	0.3
80°-90°	15.8	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°	16371.0	100.0
0°-180°	16371.0	100.0

**Coefficient of Utilization**

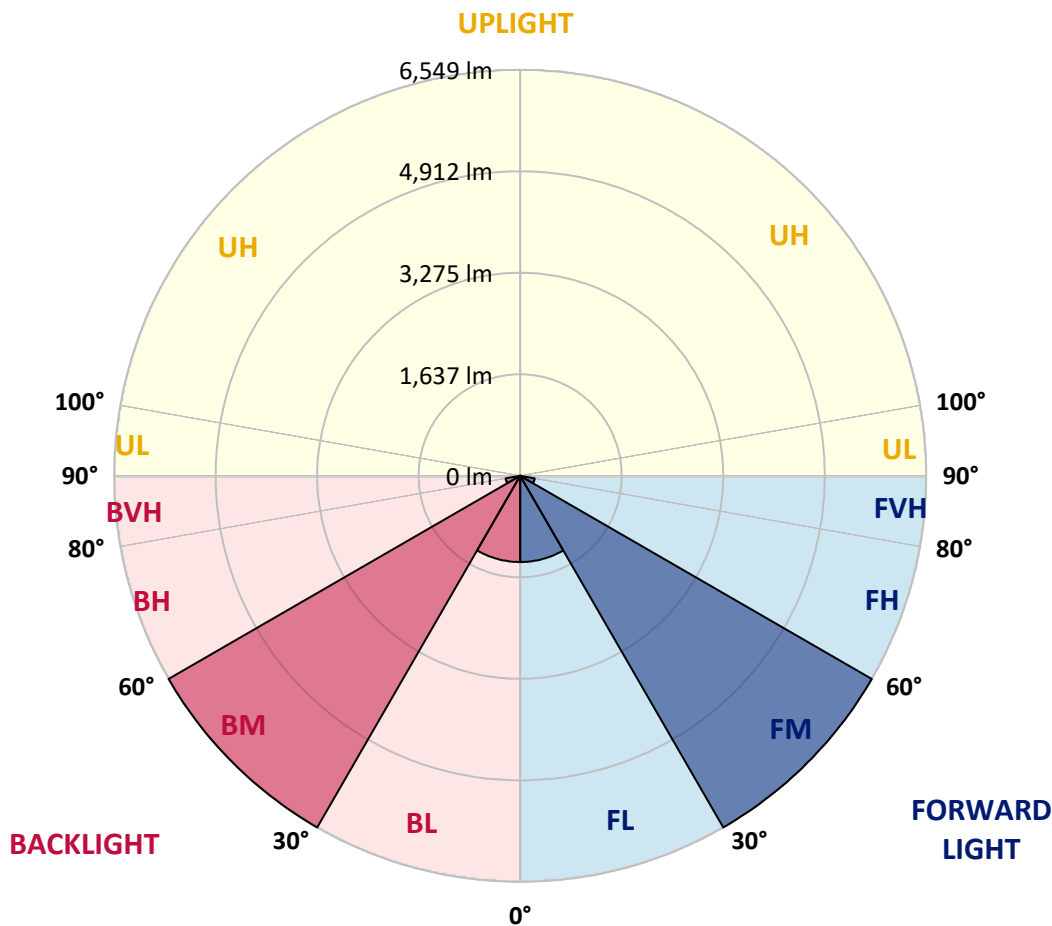


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1390.6	8.5			
FM (30°-60°)	6549.2	40.0			
FH (60°-80°)	237.8	1.5			G0/660
FVH (80°-90°)	7.9	0.0			G0/10
BL (0°-30°)	1390.6	8.5	B3/2500		
BM (30°-60°)	6549.2	40.0	B4/8500		
BH (60°-80°)	237.8	1.5	B1/500		G0/660
BVH (80°-90°)	7.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3
2.5°	2697.3	2712.9	2702.5	2710.3	2710.3	2697.3	2705.1	2674.0	2694.7	2679.1	2681.7
5°	2738.8	2736.2	2736.2	2738.8	2728.4	2733.6	2723.2	2712.9	2705.1	2694.7	2725.8
7.5°	2790.7	2790.7	2772.5	2777.7	2772.5	2780.3	2759.5	2738.8	2731.0	2723.2	2718.1
10°	2839.9	2834.8	2827.0	2850.3	2832.2	2821.8	2811.4	2798.5	2769.9	2759.5	2749.2
12.5°	2912.6	2910.0	2899.6	2922.9	2912.6	2922.9	2884.0	2850.3	2845.1	2811.4	2829.6
15°	2998.2	3021.5	3003.3	3003.3	2998.2	2985.2	2969.6	2954.1	2907.4	2894.4	2897.0
17.5°	3109.7	3101.9	3104.5	3104.5	3130.4	3096.7	3065.6	3026.7	3003.3	2995.6	2969.6
20°	3216.0	3226.4	3223.8	3241.9	3257.5	3221.2	3187.5	3182.3	3117.5	3127.8	3091.5
22.5°	3402.7	3395.0	3407.9	3420.9	3410.5	3405.3	3374.2	3335.3	3278.3	3252.3	3247.1
25°	3599.9	3586.9	3563.6	3594.7	3610.2	3633.6	3573.9	3553.2	3465.0	3426.1	3428.7
27.5°	3768.4	3786.6	3812.5	3825.5	3864.4	3856.6	3815.1	3747.7	3680.3	3636.2	3607.6
30°	3999.3	4009.6	4053.7	4071.9	4139.3	4157.5	4092.6	4014.8	3895.5	3838.5	3804.8
32.5°	4211.9	4284.6	4282.0	4372.7	4481.7	4556.9	4440.2	4320.9	4201.6	4134.1	4074.5
35°	4556.9	4543.9	4619.1	4715.1	4891.5	4977.0	4850.0	4712.5	4530.9	4422.0	4375.3
37.5°	4878.5	4883.7	4984.8	5137.8	5340.1	5472.4	5360.9	5135.2	4948.5	4808.5	4743.6
40°	5345.3	5355.7	5459.4	5633.2	5861.4	6004.1	5874.4	5646.2	5397.2	5288.3	5288.3
42.5°	5892.6	5936.7	6004.1	6154.5	6359.4	6517.6	6400.9	6221.9	5970.4	5830.3	5851.1
45°	6455.4	6476.1	6520.2	6743.3	6839.2	6917.0	6808.1	6725.1	6556.5	6385.3	6356.8
47.5°	6981.9	6989.6	7119.3	7189.3	7264.6	7199.7	7269.7	7160.8	6971.5	6805.5	6771.8
50°	7215.3	7202.3	7386.5	7599.1	7656.2	7542.1	7482.4	7409.8	7121.9	6922.2	6834.0
52.5°	6535.8	6611.0	6953.3	7544.7	7990.8	8086.7	7739.2	7404.6	6867.7	6478.7	6419.1
54°	5757.7	5827.7	6110.4	6987.0	7915.5	8239.7	7679.5	6968.9	6211.6	5749.9	5690.3
55°	4987.4	4909.6	5423.1	6317.9	7562.8	8104.9	7443.5	6406.1	5539.8	5117.1	5034.1
57.5°	2699.9	2712.9	3146.0	3991.5	5314.2	6214.2	5488.0	4333.8	3273.1	2798.5	2757.0
60°	855.9	876.6	1066.0	1613.2	2539.1	3031.9	2598.7	1740.3	1203.4	964.8	925.9
62.5°	267.1	277.5	303.4	451.3	695.1	993.3	778.1	466.8	347.5	319.0	324.2
65°	163.4	163.4	166.0	176.4	207.5	241.2	233.4	204.9	197.1	191.9	189.3
67.5°	106.3	103.7	108.9	116.7	121.9	124.5	132.3	140.1	137.5	132.3	132.3
70°	64.8	62.2	67.4	77.8	80.4	85.6	93.4	103.7	101.1	96.0	98.6
72.5°	36.3	36.3	38.9	46.7	54.5	59.7	67.4	75.2	77.8	75.2	75.2
75°	13.0	15.6	20.7	28.5	33.7	41.5	49.3	57.1	64.8	59.7	57.1
77.5°	5.2	5.2	10.4	18.2	25.9	33.7	46.7	54.5	59.7	54.5	49.3
80°	2.6	2.6	7.8	15.6	23.3	31.1	38.9	46.7	49.3	44.1	38.9
82.5°	2.6	2.6	7.8	15.6	23.3	28.5	41.5	46.7	51.9	46.7	38.9
85°	0.0	2.6	7.8	15.6	20.7	23.3	23.3	15.6	13.0	7.8	7.8
87.5°	0.0	0.0	2.6	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)