

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: P849501

Luminaire Tested: **GLAN-SB6C-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849501  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36626 lumens  
Efficiency: N/A  
Efficacy: 121.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

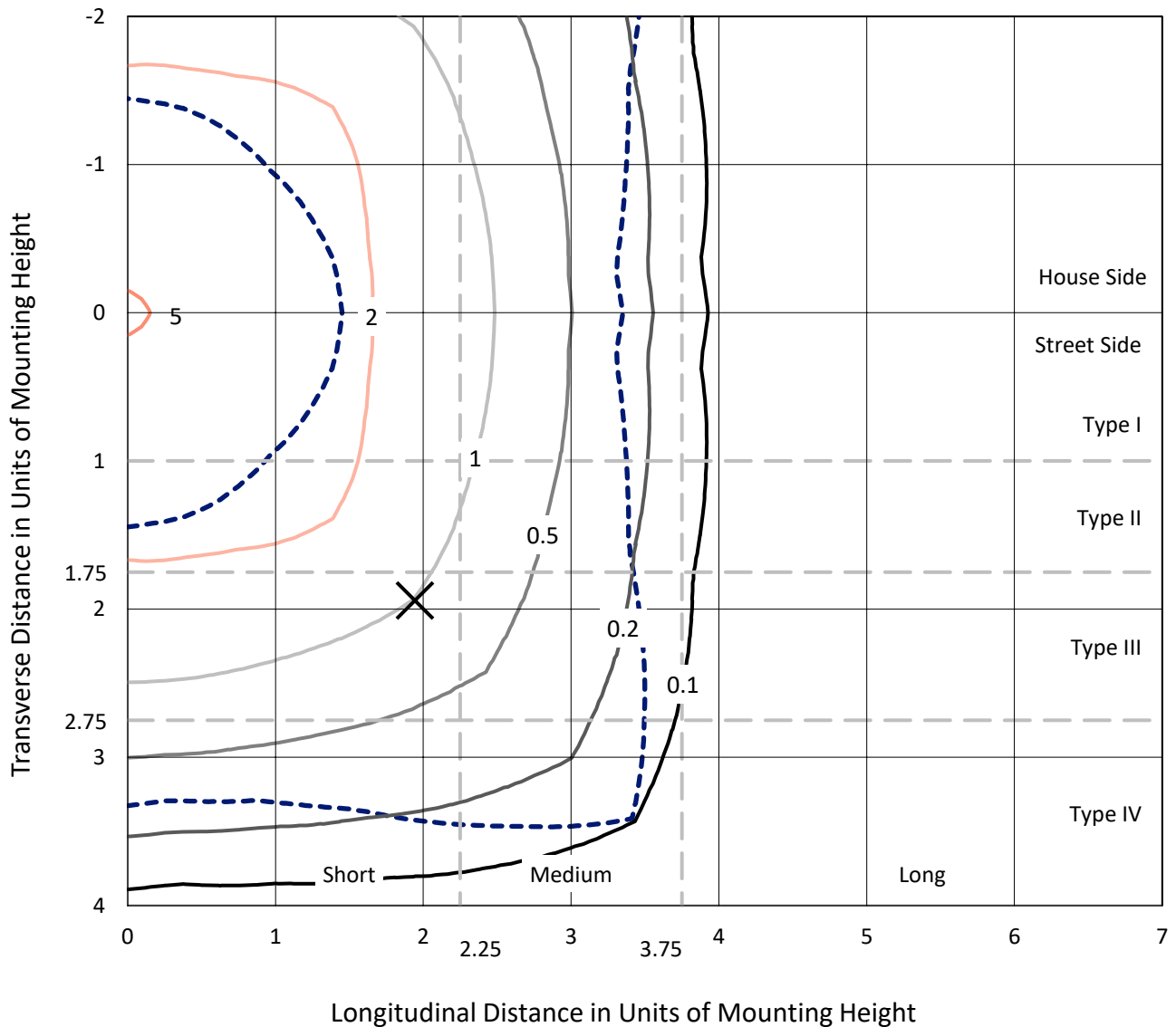
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

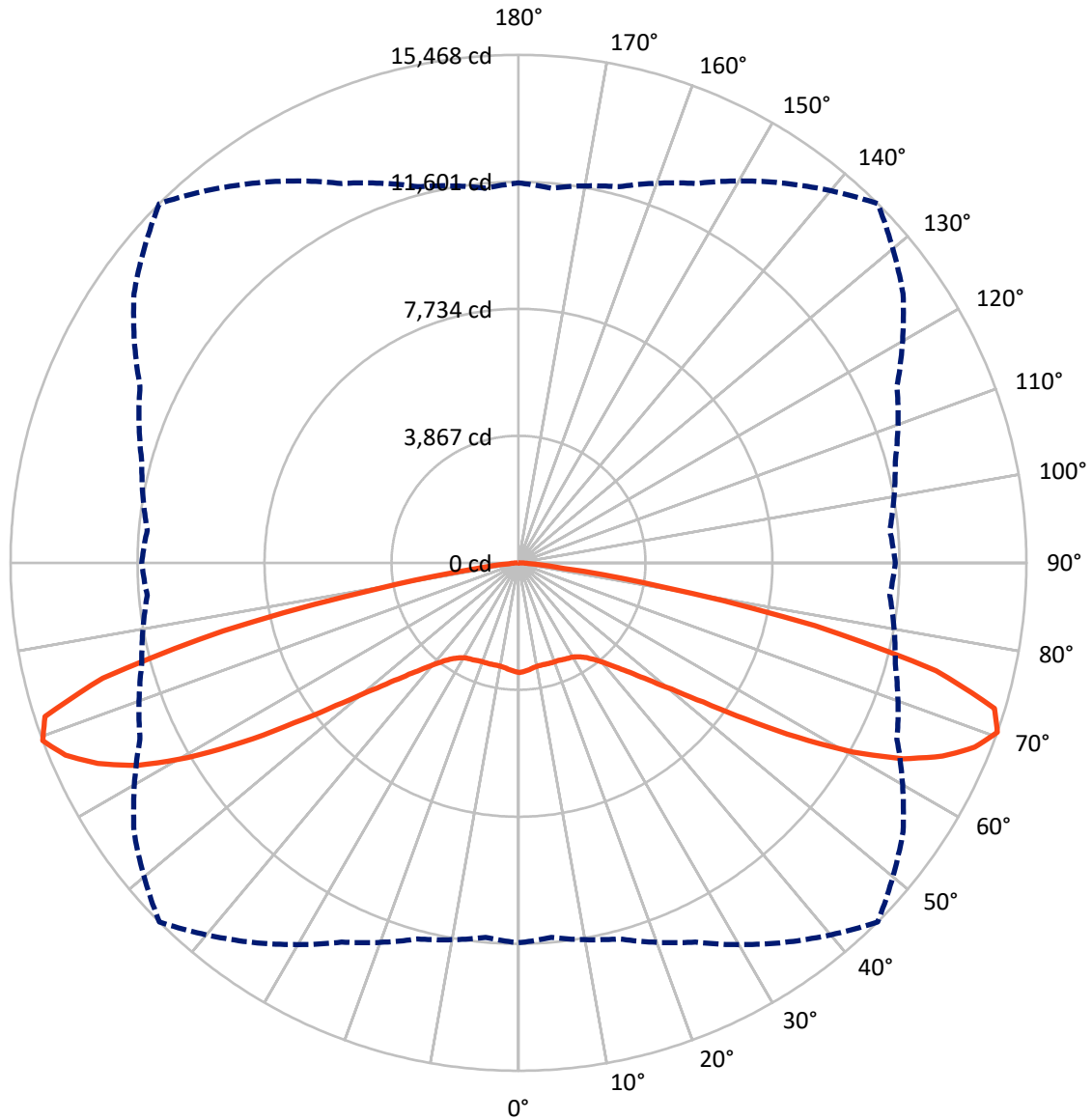
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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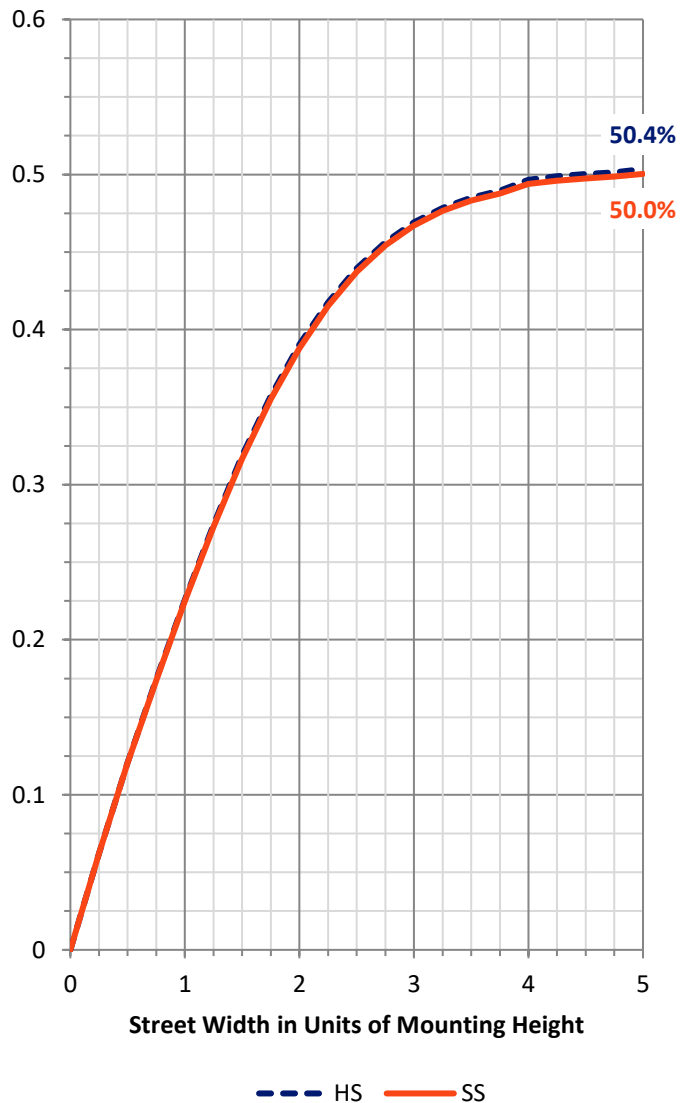
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18313.0	0.0	18313.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18313.0	0.0	18313.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36626.0	0.0	36626.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.8	0.8
10°-20°	912.6	2.5
20°-30°	1518.6	4.1
30°-40°	2296.7	6.3
40°-50°	3816.5	10.4
50°-60°	7201.6	19.7
60°-70°	12160.2	33.2
70°-80°	7990.5	21.8
80°-90°	418.6	1.1
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°	36626.0	100.0
0°-180°	36626.0	100.0

**Coefficient of Utilization**

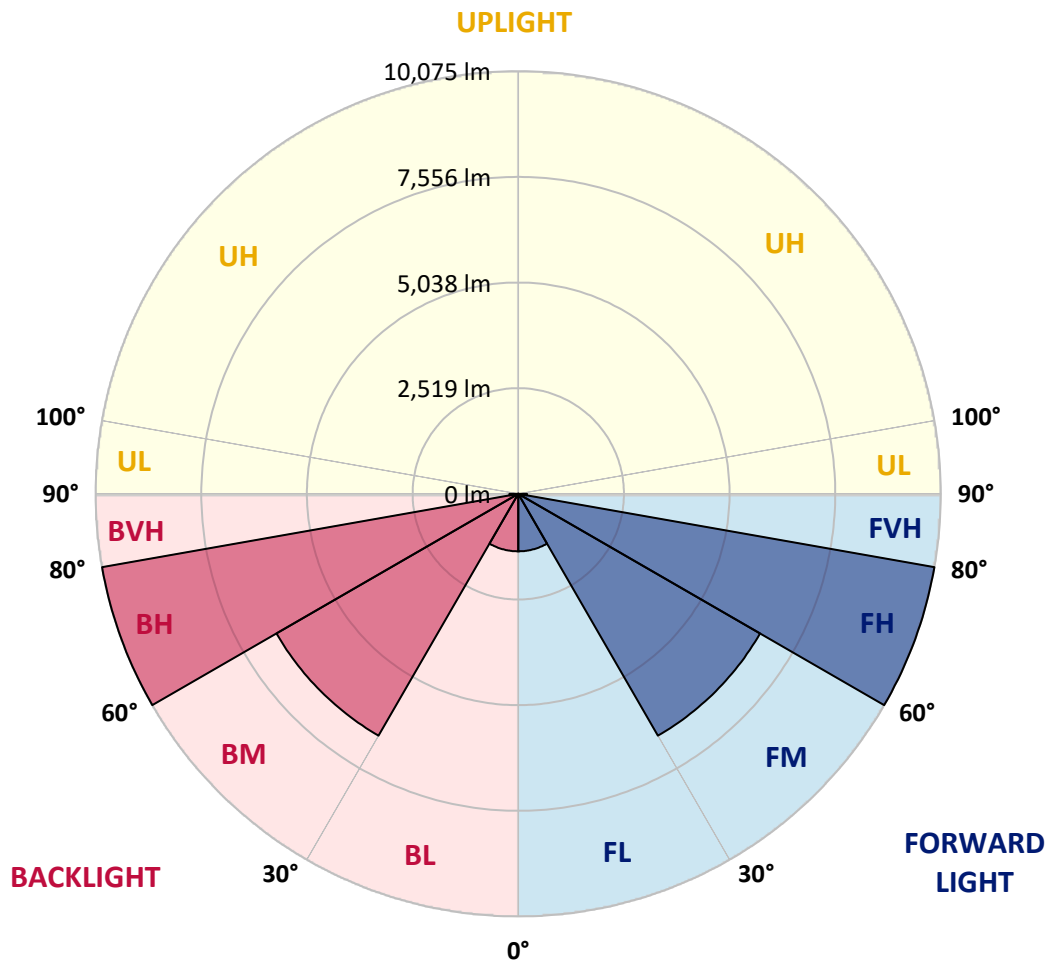


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1371.0	3.7			
FM (30°-60°)	6657.4	18.2			
FH (60°-80°)	10075.3	27.5			G4/12000
FVH (80°-90°)	209.3	0.6			G2/225
BL (0°-30°)	1371.0	3.7	B3/2500		
BM (30°-60°)	6657.4	18.2	B4/8500		
BH (60°-80°)	10075.3	27.5	B5		G4/12000
BVH (80°-90°)	209.3	0.6			G2/225
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°
0°	3341.0	3341.0	3341.0	3341.0	3341.0	3341.0	3341.0	3341.0	3341.0	3341.0
2.5°	3320.1	3329.6	3325.8	3318.2	3318.2	3312.5	3318.2	3322.0	3327.7	3331.5
5°	3276.3	3283.9	3282.0	3276.3	3278.2	3272.5	3276.3	3282.0	3285.8	3287.7
7.5°	3238.2	3245.8	3242.0	3232.5	3232.5	3226.8	3228.7	3234.4	3240.1	3242.0
10°	3228.7	3236.3	3224.9	3209.7	3204.0	3196.3	3198.2	3204.0	3215.4	3221.1
12.5°	3232.5	3238.2	3226.8	3204.0	3198.2	3190.6	3190.6	3196.3	3211.6	3219.2
15°	3243.9	3249.7	3232.5	3207.8	3202.1	3196.3	3194.4	3202.1	3219.2	3232.5
17.5°	3264.9	3270.6	3243.9	3209.7	3202.1	3204.0	3202.1	3207.8	3234.4	3259.2
20°	3283.9	3287.7	3251.6	3209.7	3202.1	3204.0	3202.1	3213.5	3247.7	3282.0
22.5°	3289.6	3293.4	3259.2	3223.0	3217.3	3219.2	3217.3	3228.7	3261.1	3295.3
25°	3291.5	3297.2	3270.6	3242.0	3251.6	3255.4	3251.6	3253.5	3278.2	3308.7
27.5°	3320.1	3327.7	3303.0	3278.2	3283.9	3282.0	3287.7	3293.4	3312.5	3342.9
30°	3379.1	3384.8	3363.9	3339.1	3335.3	3322.0	3339.1	3358.2	3379.1	3405.8
32.5°	3476.2	3487.6	3461.0	3434.3	3417.2	3409.6	3422.9	3455.3	3483.8	3512.4
35°	3638.0	3645.6	3620.9	3571.4	3540.9	3540.9	3552.3	3594.2	3639.9	3676.1
37.5°	3866.5	3876.0	3832.2	3773.2	3727.5	3727.5	3742.7	3786.5	3855.0	3906.4
40°	4144.4	4157.7	4102.5	4041.6	3997.8	3990.2	4009.2	4058.7	4123.5	4188.2
42.5°	4479.5	4494.7	4422.3	4369.0	4334.8	4334.8	4344.3	4390.0	4449.0	4528.9
45°	4907.8	4934.4	4835.4	4782.1	4749.8	4757.4	4763.1	4803.1	4856.4	4947.8
47.5°	5418.0	5444.6	5339.9	5284.7	5279.0	5315.2	5292.3	5320.9	5349.5	5454.2
50°	5996.7	6042.4	5970.1	5966.3	5977.7	6044.3	5991.0	6006.2	5973.9	6040.5
52.5°	6704.9	6771.5	6758.2	6781.1	6908.6	7045.7	6923.8	6870.5	6748.7	6769.6
55°	7563.5	7664.4	7683.4	7820.5	8109.8	8389.7	8130.8	7915.7	7656.8	7609.2
57.5°	8540.1	8620.0	8711.4	8991.3	9531.9	10028.8	9531.9	9056.0	8648.6	8551.5
60°	9590.9	9689.9	9777.5	10190.6	10994.0	11692.6	10978.8	10223.0	9684.2	9552.9
62.5°	10719.8	10847.4	10908.3	11367.1	12303.7	13137.6	12317.1	11401.4	10803.6	10662.7
65°	11803.1	11907.8	11976.3	12465.6	13360.3	14196.0	13421.2	12518.9	11904.0	11719.3
67.5°	12307.5	12364.7	12532.2	13086.2	14030.4	14984.2	14190.3	13145.2	12457.9	12134.3
70°	11568.9	11452.8	11856.4	12743.5	14110.4	15467.7	14293.1	12716.8	11875.4	11350.0
72.5°	8939.9	8740.0	9440.5	10957.8	13196.6	15159.3	13288.0	11043.5	9876.5	8810.4
75°	4864.0	4637.5	5604.6	7523.5	10523.8	13139.5	10765.5	7738.6	6240.4	4827.8
77.5°	1372.6	1286.9	2067.4	3639.9	6329.9	9225.4	6573.5	3719.9	2452.0	1454.4
80°	420.7	407.4	552.1	1096.5	2688.1	4418.5	2583.3	1109.9	702.5	443.6
82.5°	249.4	228.4	274.1	399.8	685.3	1387.8	666.3	416.9	335.1	224.6
85°	142.8	133.3	161.8	194.2	230.4	295.1	192.3	198.0	178.9	119.9
87.5°	59.0	53.3	62.8	60.9	53.3	68.5	51.4	60.9	72.3	47.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3341.0
3329.6
3287.7
3242.0
3221.1
3221.1
3234.4
3259.2
3283.9
3295.3
3306.8
3335.3
3400.0
3500.9
3662.8
3887.4
4167.2
4523.2
4944.0
5423.7
6000.5
6699.2
7534.9
8483.0
9438.6
10548.5
11627.9
12138.1
11475.6
9075.0
5141.9
1616.3
468.3
243.7
125.6
43.8
0.0

OF REPORT)