

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: P848194

Luminaire Tested: **GLAN-SB4C-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848194  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

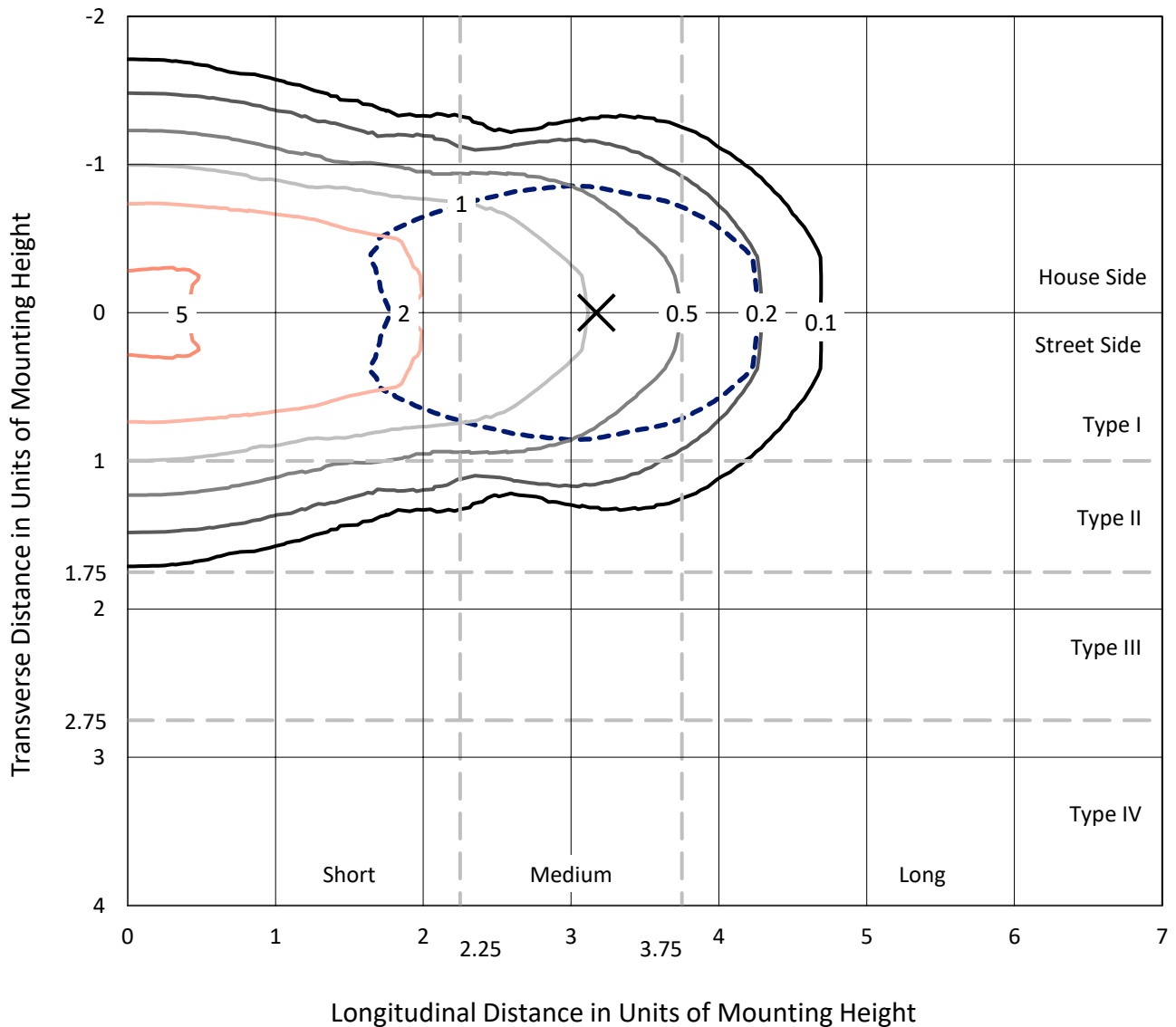
Lumens per Lamp: N/A  
Luminaire Lumens: 19121 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

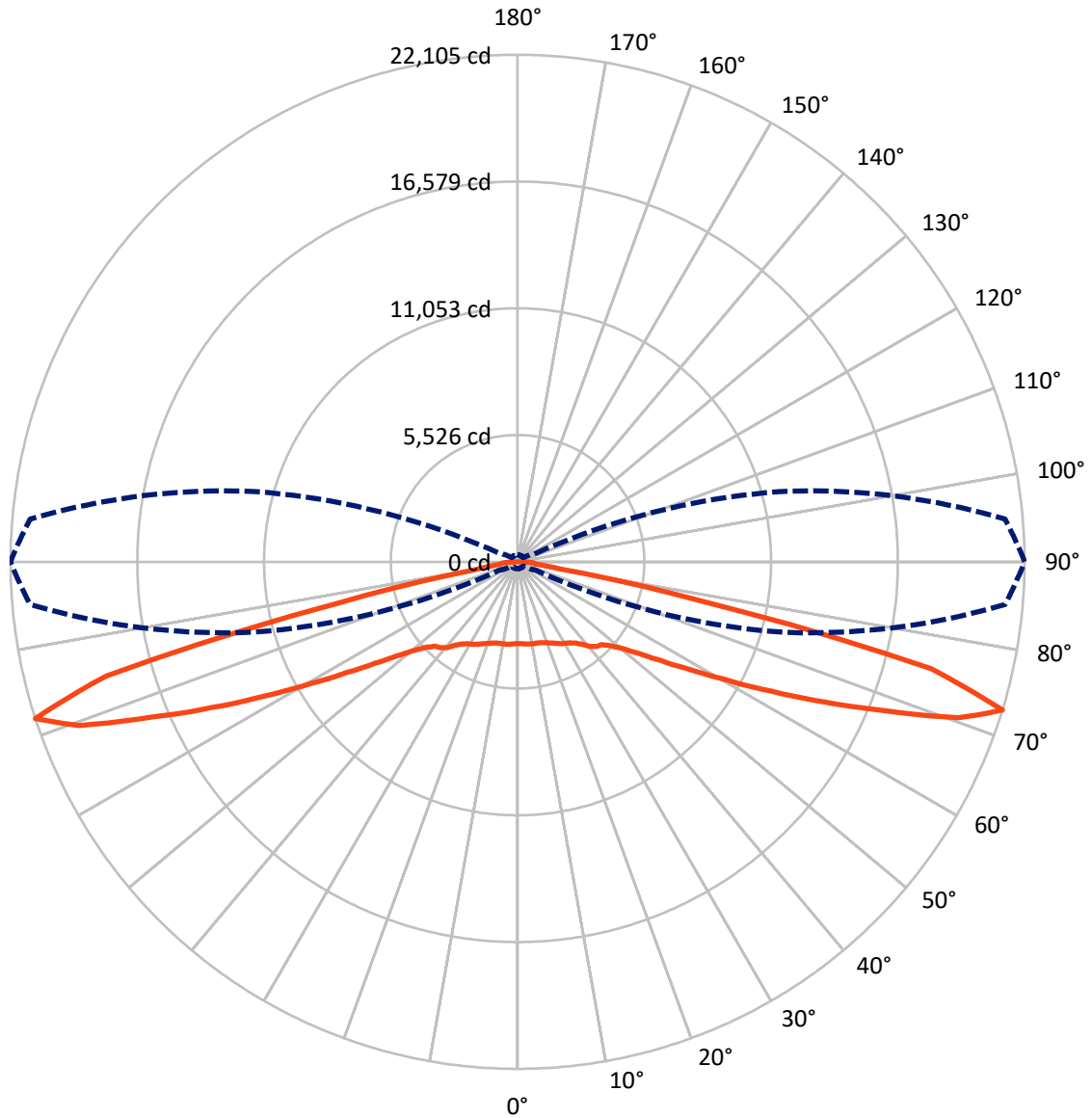
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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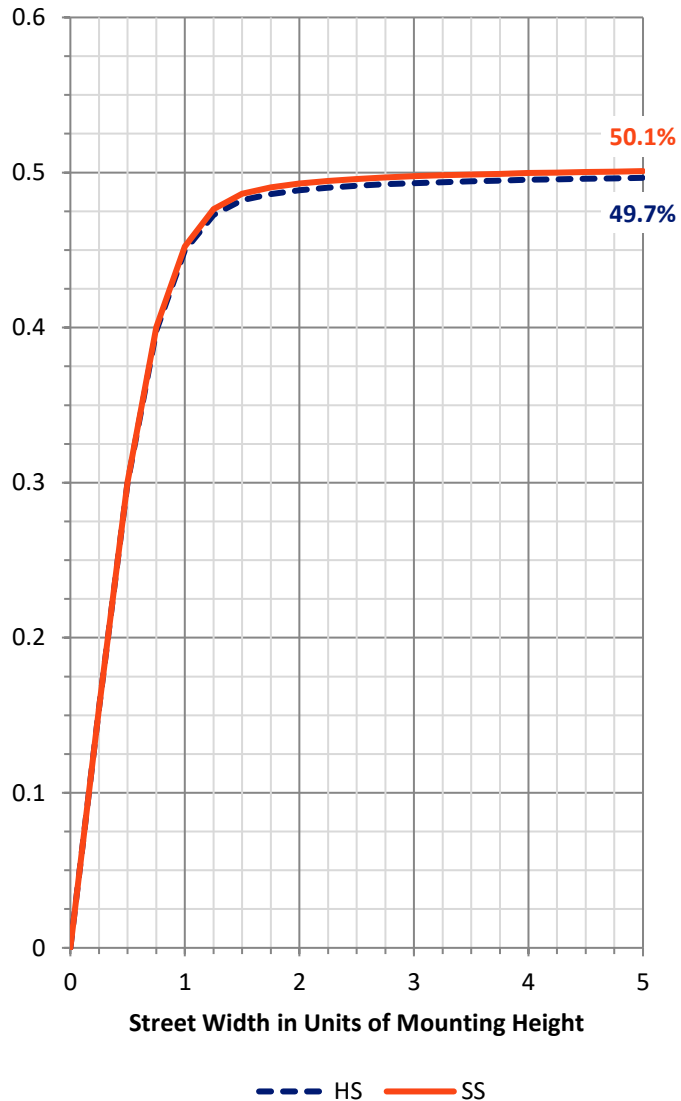
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9560.5	0.0	9560.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9560.5	0.0	9560.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19121.0	0.0	19121.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	346.4	1.8
10°-20°	1059.3	5.5
20°-30°	1766.3	9.2
30°-40°	2429.2	12.7
40°-50°	2966.7	15.5
50°-60°	3431.2	17.9
60°-70°	4091.2	21.4
70°-80°	2855.4	14.9
80°-90°	175.4	0.9
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°	19121.0	100.0
0°-180°	19121.0	100.0

**Coefficient of Utilization**

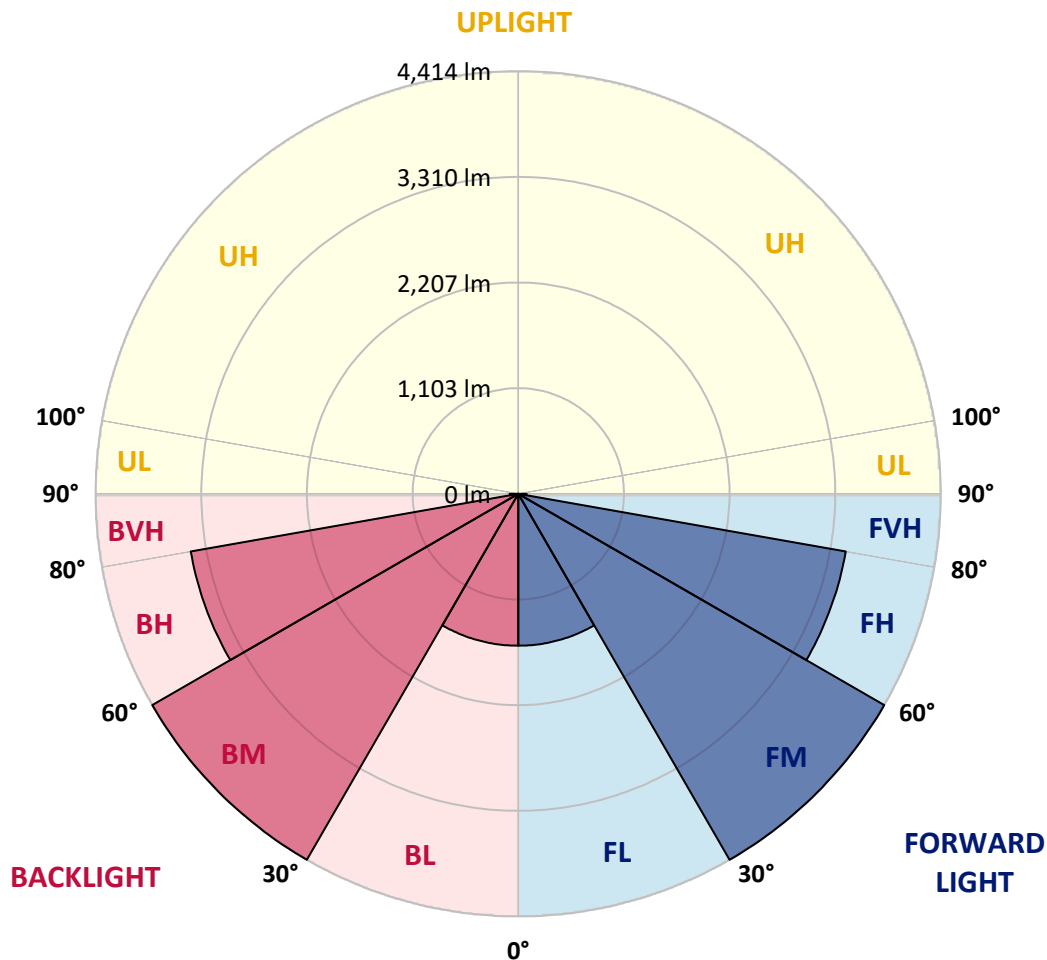


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1586.0	8.3			
FM (30°-60°)	4413.5	23.1			
FH (60°-80°)	3473.3	18.2			G2/5000
FVH (80°-90°)	87.7	0.5			G1/100
BL (0°-30°)	1586.0	8.3	B3/2500		
BM (30°-60°)	4413.5	23.1	B3/5000		
BH (60°-80°)	3473.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	87.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3573.0	3573.0	3573.0	3573.0	3573.0	3573.0	3573.0	3573.0	3573.0	3573.0
2.5°	3576.0	3580.1	3580.1	3577.0	3584.1	3578.0	3578.0	3575.0	3578.0	3575.0
5°	3594.3	3599.4	3601.4	3600.4	3609.5	3604.5	3604.5	3600.4	3601.4	3598.4
7.5°	3628.9	3636.0	3640.0	3645.1	3658.3	3652.2	3648.2	3636.0	3630.9	3622.8
10°	3640.0	3648.2	3661.4	3687.8	3718.3	3719.3	3707.1	3676.6	3653.2	3634.9
12.5°	3605.5	3616.7	3644.1	3698.0	3766.0	3793.5	3774.2	3723.4	3677.6	3645.1
15°	3561.8	3574.0	3615.6	3696.9	3797.5	3861.6	3859.5	3792.5	3719.3	3668.5
17.5°	3493.7	3505.9	3565.8	3679.7	3821.9	3927.6	3956.1	3887.0	3784.3	3716.2
20°	3370.7	3381.9	3465.2	3624.8	3830.1	3997.7	4071.9	4010.9	3882.9	3790.4
22.5°	3211.2	3228.5	3326.0	3530.3	3810.8	4070.9	4204.0	4162.4	3997.7	3869.7
25°	3040.5	3058.8	3172.6	3414.4	3761.0	4123.7	4360.5	4334.1	4127.8	3968.3
27.5°	2893.1	2912.4	3036.4	3299.6	3683.7	4144.1	4515.0	4528.2	4285.3	4077.0
30°	2777.3	2795.6	2927.7	3207.1	3584.1	4123.7	4650.1	4741.6	4445.9	4171.5
32.5°	2650.3	2673.6	2812.8	3094.3	3466.3	4075.0	4768.0	4972.3	4631.8	4273.1
35°	2489.7	2511.0	2657.4	2939.9	3311.8	3996.7	4866.6	5228.4	4898.1	4427.6
37.5°	2294.6	2314.9	2460.2	2746.8	3158.4	3887.0	4941.8	5517.0	5215.1	4650.1
40°	2098.5	2117.8	2253.9	2531.4	2974.4	3746.7	4968.2	5799.5	5578.9	4956.0
42.5°	1918.6	1935.9	2060.9	2319.0	2768.1	3567.9	4933.7	6045.4	5905.1	5169.4
45°	1752.9	1768.2	1879.0	2119.8	2553.7	3350.4	4830.0	6309.6	6293.3	5321.8
47.5°	1563.9	1579.2	1694.0	1926.7	2339.3	3095.3	4654.2	6569.7	6832.9	5667.3
50°	1333.3	1346.5	1464.3	1704.2	2116.7	2824.0	4410.3	6774.0	7513.8	6190.7
52.5°	1059.9	1074.1	1189.0	1428.8	1852.5	2532.4	4089.2	6907.1	8300.3	6954.9
55°	788.6	798.7	898.3	1113.8	1525.3	2200.1	3686.8	6944.7	9192.5	7999.5
57.5°	572.1	578.2	642.2	802.8	1156.4	1784.4	3198.0	6847.2	10254.5	9338.9
60°	463.4	465.4	484.7	555.9	803.8	1315.0	2607.6	6511.8	11406.8	11065.4
62.5°	420.7	420.7	425.8	445.1	543.7	867.8	1893.2	5816.7	12642.5	13247.2
65°	391.2	391.2	393.3	402.4	428.8	552.8	1195.1	4684.7	13684.2	15802.9
67.5°	364.8	365.8	364.8	367.9	383.1	408.5	693.0	3235.6	14245.1	18451.2
70°	337.4	339.4	334.3	334.3	346.5	347.5	433.9	1774.3	13779.7	20670.5
72.5°	304.9	307.9	299.8	297.7	306.9	302.8	326.2	851.6	11830.6	21333.1
75°	276.4	280.5	262.2	257.1	257.1	254.1	265.2	437.0	7678.4	17402.4
77.5°	251.0	259.1	229.7	213.4	209.3	200.2	216.5	267.3	3358.5	8170.3
80°	207.3	218.5	189.0	169.7	162.6	152.4	170.7	187.0	998.9	1897.2
82.5°	154.5	159.5	134.1	120.9	114.8	107.7	128.0	130.1	325.2	671.7
85°	98.6	100.6	82.3	71.1	68.1	65.0	81.3	71.1	124.0	493.9
87.5°	34.6	39.6	31.5	28.5	30.5	25.4	37.6	21.3	34.6	348.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3573.0  
3575.0  
3598.4  
3622.8  
3631.9  
3640.0  
3660.4  
3705.1  
3773.2  
3846.3  
3935.7  
4042.4  
4121.7  
4210.1  
4357.5  
4556.6  
4856.4  
5041.4  
5149.1  
5468.2  
5940.7  
6647.0  
7614.4  
8854.2  
10454.7  
12429.1  
14768.4  
17334.3  
20376.9  
22105.4  
18613.7  
8000.5  
1817.0  
759.1  
717.4  
431.9  
0.0

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