

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: P850621

Luminaire Tested: **GLAN-SB8B-722-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850621  
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-SB8B-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36016 lumens  
Efficiency: N/A  
Efficacy: 123.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

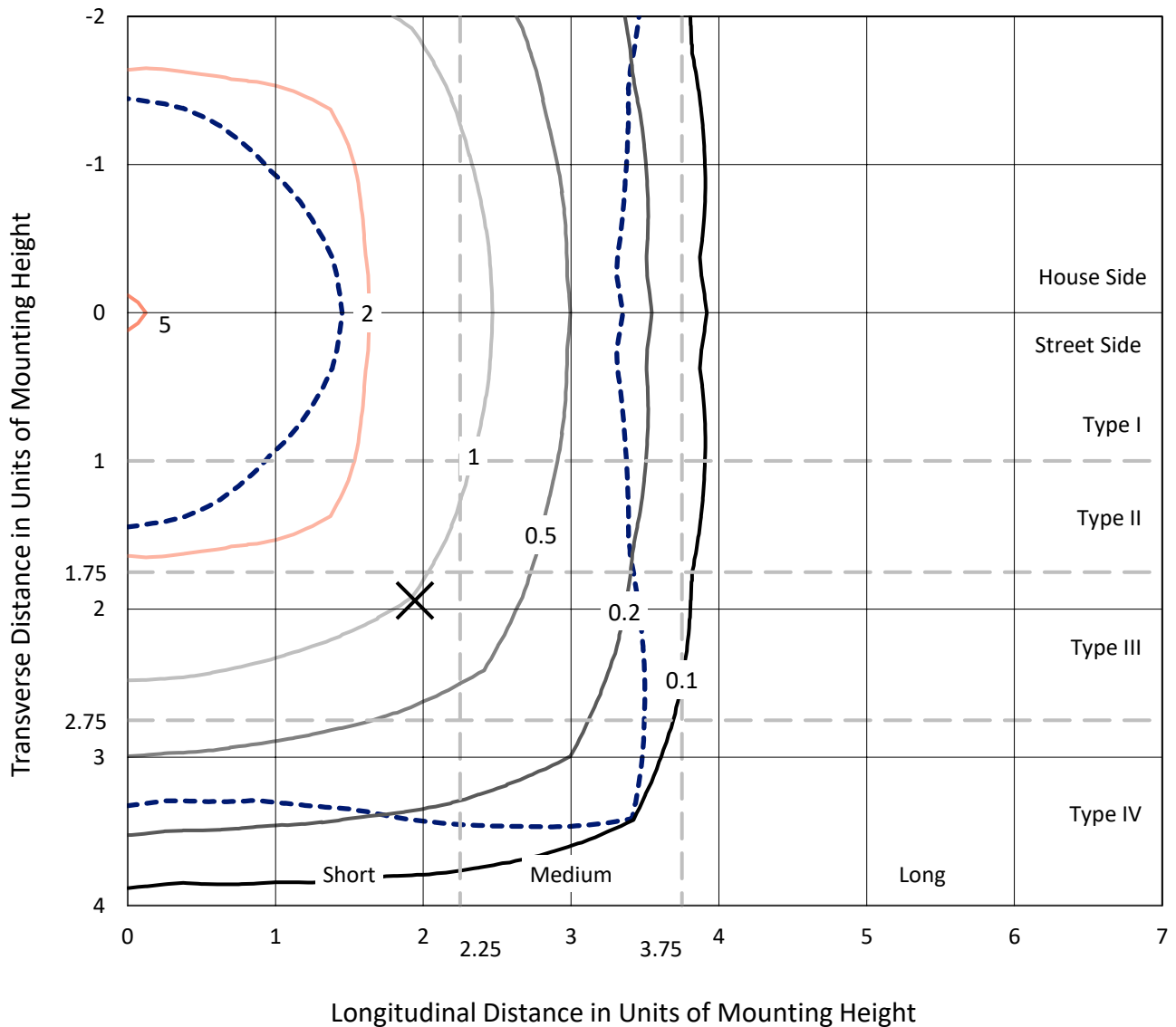
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

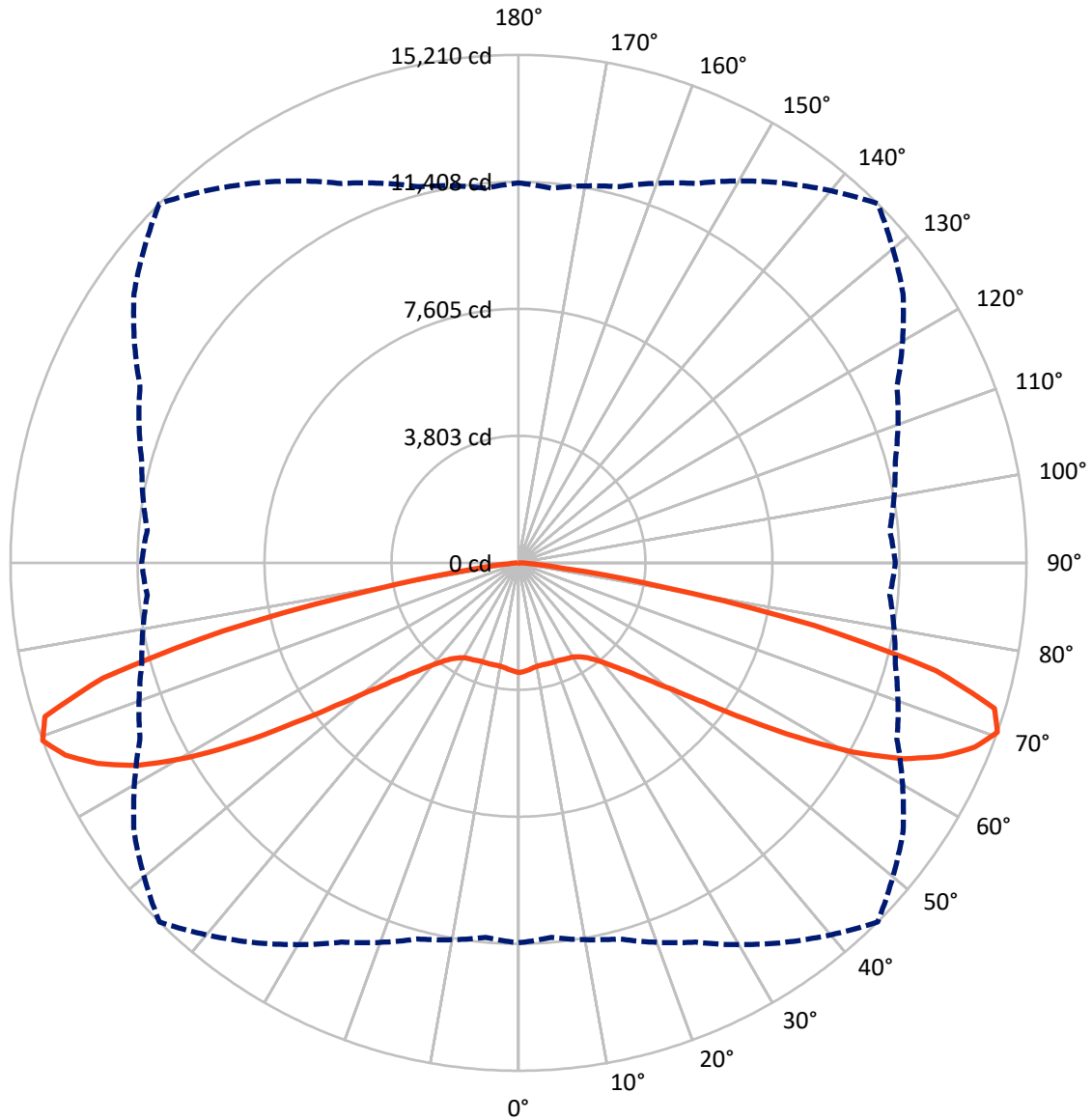
× Max cd  
- - - 1/2 Max cd



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	18008.0	0.0	18008.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18008.0	0.0	18008.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36016.0	0.0	36016.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.6	0.8
10°-20°	897.4	2.5
20°-30°	1493.4	4.1
30°-40°	2258.4	6.3
40°-50°	3752.9	10.4
50°-60°	7081.6	19.7
60°-70°	11957.6	33.2
70°-80°	7857.4	21.8
80°-90°	411.6	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°	36016.0	100.0
0°-180°	36016.0	100.0

**Coefficient of Utilization**



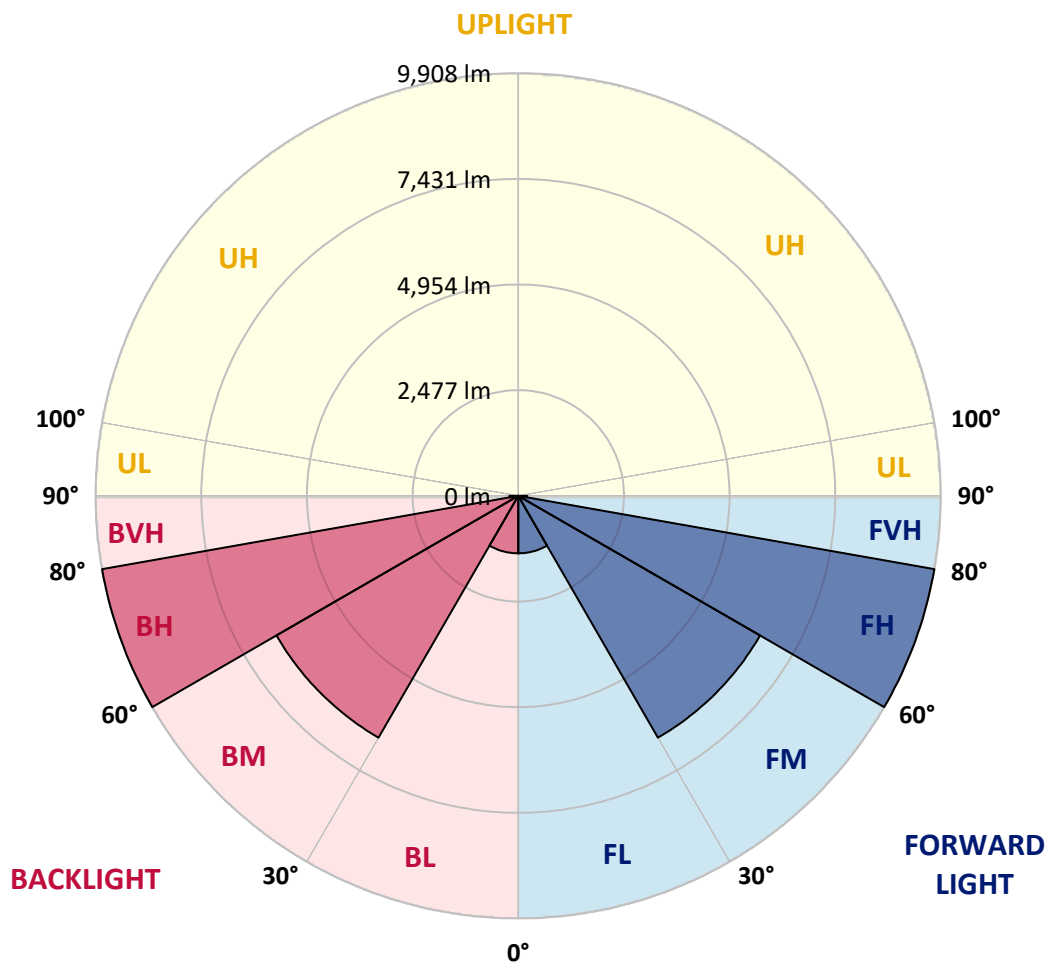
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1348.2	3.7			
FM (30°-60°)	6546.5	18.2			
FH (60°-80°)	9907.5	27.5			G4/12000
FVH (80°-90°)	205.8	0.6			G2/225
BL (0°-30°)	1348.2	3.7	B3/2500		
BM (30°-60°)	6546.5	18.2	B4/8500		
BH (60°-80°)	9907.5	27.5	B5		G4/12000
BVH (80°-90°)	205.8	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°	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4
2.5°	3264.8	3274.2	3270.4	3262.9	3262.9	3257.3	3262.9	3266.7	3272.3	3276.0
5°	3221.7	3229.2	3227.4	3221.7	3223.6	3218.0	3221.7	3227.4	3231.1	3233.0
7.5°	3184.3	3191.8	3188.0	3178.7	3178.7	3173.1	3174.9	3180.6	3186.2	3188.0
10°	3174.9	3182.4	3171.2	3156.2	3150.6	3143.1	3145.0	3150.6	3161.8	3167.4
12.5°	3178.7	3184.3	3173.1	3150.6	3145.0	3137.5	3137.5	3143.1	3158.1	3165.6
15°	3189.9	3195.5	3178.7	3154.3	3148.7	3143.1	3141.2	3148.7	3165.6	3178.7
17.5°	3210.5	3216.1	3189.9	3156.2	3148.7	3150.6	3148.7	3154.3	3180.6	3204.9
20°	3229.2	3233.0	3197.4	3156.2	3148.7	3150.6	3148.7	3160.0	3193.7	3227.4
22.5°	3234.8	3238.6	3204.9	3169.3	3163.7	3165.6	3163.7	3174.9	3206.8	3240.5
25°	3236.7	3242.3	3216.1	3188.0	3197.4	3201.1	3197.4	3199.3	3223.6	3253.6
27.5°	3264.8	3272.3	3247.9	3223.6	3229.2	3227.4	3233.0	3238.6	3257.3	3287.3
30°	3322.8	3328.4	3307.8	3283.5	3279.8	3266.7	3283.5	3302.2	3322.8	3349.0
32.5°	3418.3	3429.5	3403.3	3377.1	3360.3	3352.8	3365.9	3397.7	3425.8	3453.9
35°	3577.4	3584.9	3560.6	3511.9	3481.9	3481.9	3493.2	3534.4	3579.3	3614.9
37.5°	3802.1	3811.4	3768.4	3710.3	3665.4	3665.4	3680.4	3723.4	3790.8	3841.4
40°	4075.4	4088.5	4034.2	3974.3	3931.2	3923.7	3942.5	3991.1	4054.8	4118.4
42.5°	4404.8	4419.8	4348.7	4296.3	4262.6	4262.6	4271.9	4316.9	4374.9	4453.5
45°	4826.1	4852.3	4754.9	4702.5	4670.7	4678.2	4683.8	4723.1	4775.5	4865.4
47.5°	5327.8	5354.0	5251.0	5196.7	5191.1	5226.7	5204.2	5232.3	5260.4	5363.3
50°	5896.8	5941.8	5870.6	5866.9	5878.1	5943.6	5891.2	5906.2	5874.4	5939.9
52.5°	6593.2	6658.8	6645.6	6668.1	6793.5	6928.3	6808.5	6756.1	6636.3	6656.9
55°	7437.5	7536.7	7555.4	7690.2	7974.8	8250.0	7995.4	7783.8	7529.2	7482.4
57.5°	8397.9	8476.5	8566.3	8841.5	9373.2	9861.8	9373.2	8905.2	8504.6	8409.1
60°	9431.2	9528.6	9614.7	10020.9	10810.9	11497.9	10795.9	10052.7	9522.9	9393.8
62.5°	10541.3	10666.7	10726.6	11177.8	12098.8	12918.8	12111.9	11211.5	10623.7	10485.1
65°	11606.5	11709.4	11776.8	12257.9	13137.8	13959.6	13197.7	12310.4	11705.7	11524.1
67.5°	12102.6	12158.7	12323.5	12868.2	13796.7	14734.6	13954.0	12926.3	12250.5	11932.2
70°	11376.2	11262.0	11658.9	12531.3	13875.4	15210.1	14055.1	12505.1	11677.6	11160.9
72.5°	8791.0	8594.4	9283.3	10775.3	12976.8	14906.8	13066.7	10859.6	9712.0	8663.7
75°	4783.0	4560.2	5511.2	7398.2	10348.5	12920.6	10586.2	7609.7	6136.5	4747.4
77.5°	1349.7	1265.5	2033.0	3579.3	6224.4	9071.8	6464.1	3657.9	2411.2	1430.2
80°	413.7	400.6	542.9	1078.3	2643.3	4344.9	2540.3	1091.4	690.8	436.2
82.5°	245.2	224.6	269.6	393.1	673.9	1364.7	655.2	410.0	329.5	220.9
85°	140.4	131.0	159.1	190.9	226.5	290.2	189.1	194.7	176.0	117.9
87.5°	58.0	52.4	61.8	59.9	52.4	67.4	50.5	59.9	71.1	46.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3285.4
3274.2
3233.0
3188.0
3167.4
3167.4
3180.6
3204.9
3229.2
3240.5
3251.7
3279.8
3343.4
3442.6
3601.8
3822.7
4097.8
4447.9
4861.6
5333.4
5900.6
6587.6
7409.4
8341.7
9281.4
10372.8
11434.3
11936.0
11284.5
8923.9
5056.3
1589.3
460.5
239.6
123.6
43.1
0.0

OF REPORT)