

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: P851471

Luminaire Tested: **GLAN-SB9C-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851471
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-SB9C-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53955 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

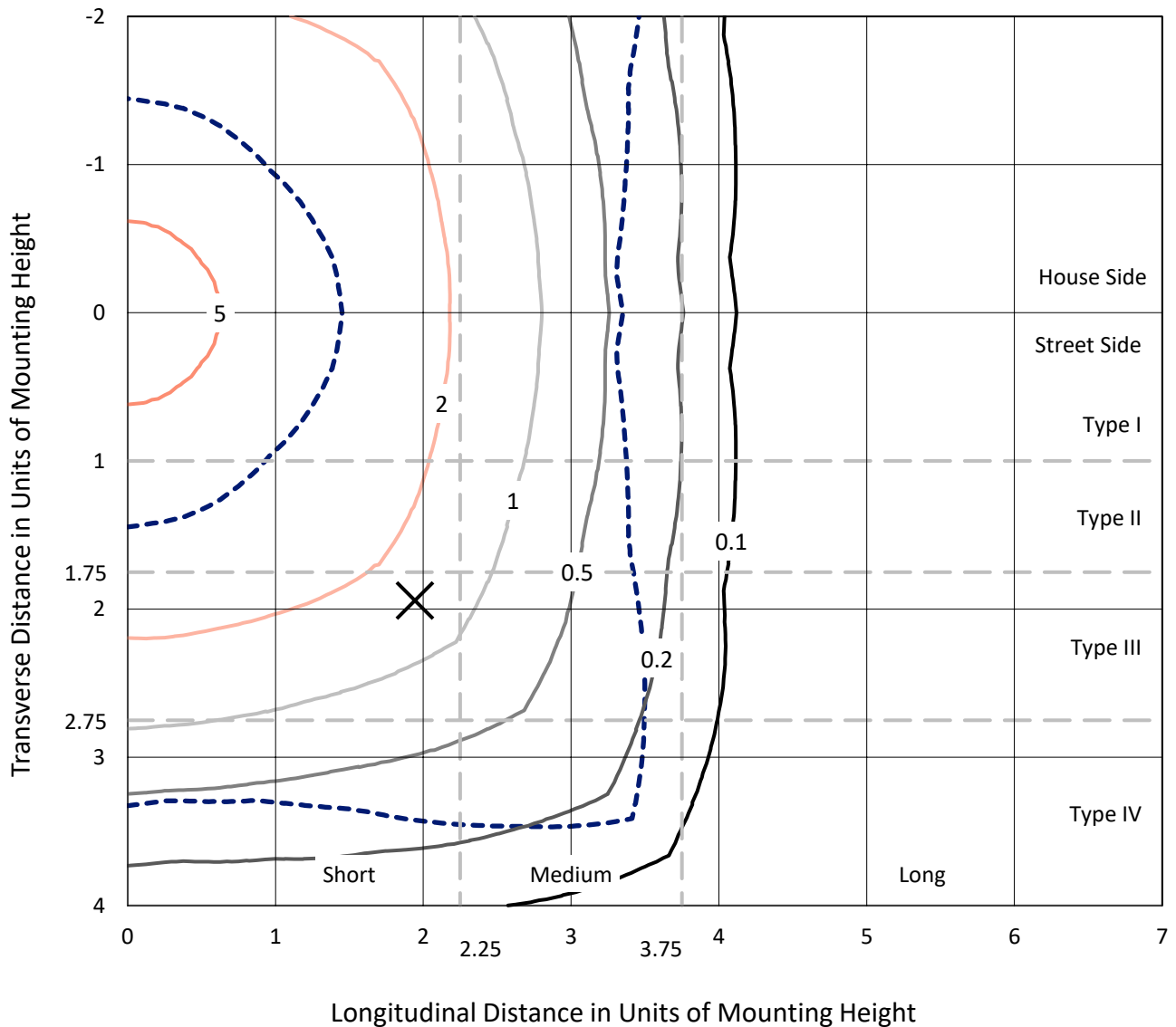
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851471
 CATALOG NUMBER: GLAN-SB9C-722-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

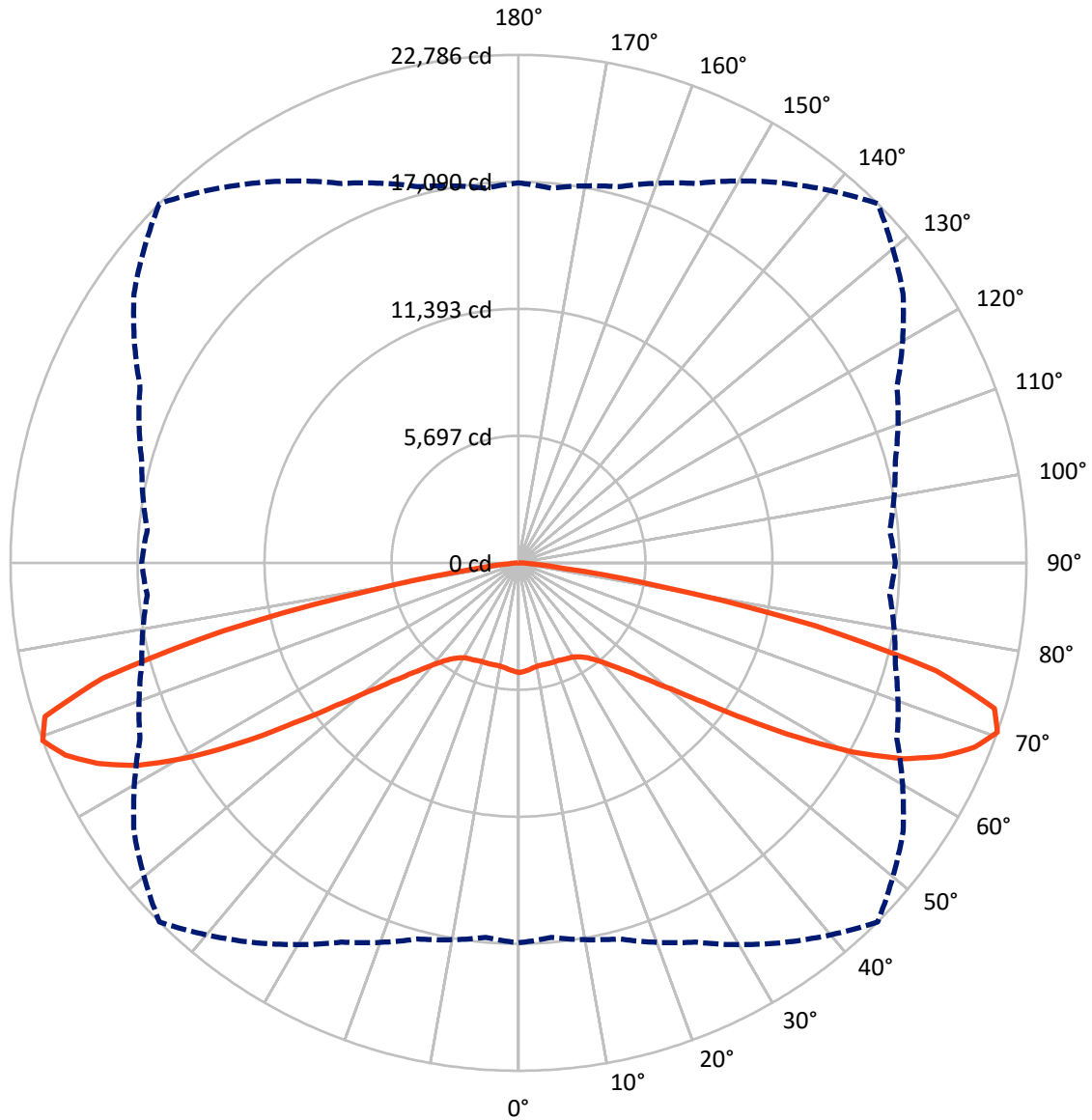
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

REPORT NUMBER: P851471
CATALOG NUMBER: GLAN-SB9C-722-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P851471
 CATALOG NUMBER: GLAN-SB9C-722-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26977.5	0.0	26977.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26977.5	0.0	26977.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53955.0	0.0	53955.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.8	0.8
10°-20°	1344.3	2.5
20°-30°	2237.2	4.1
30°-40°	3383.3	6.3
40°-50°	5622.2	10.4
50°-60°	10608.9	19.7
60°-70°	17913.6	33.2
70°-80°	11771.0	21.8
80°-90°	616.7	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°	53955.0	100.0
0°-180°	53955.0	100.0

Coefficient of Utilization

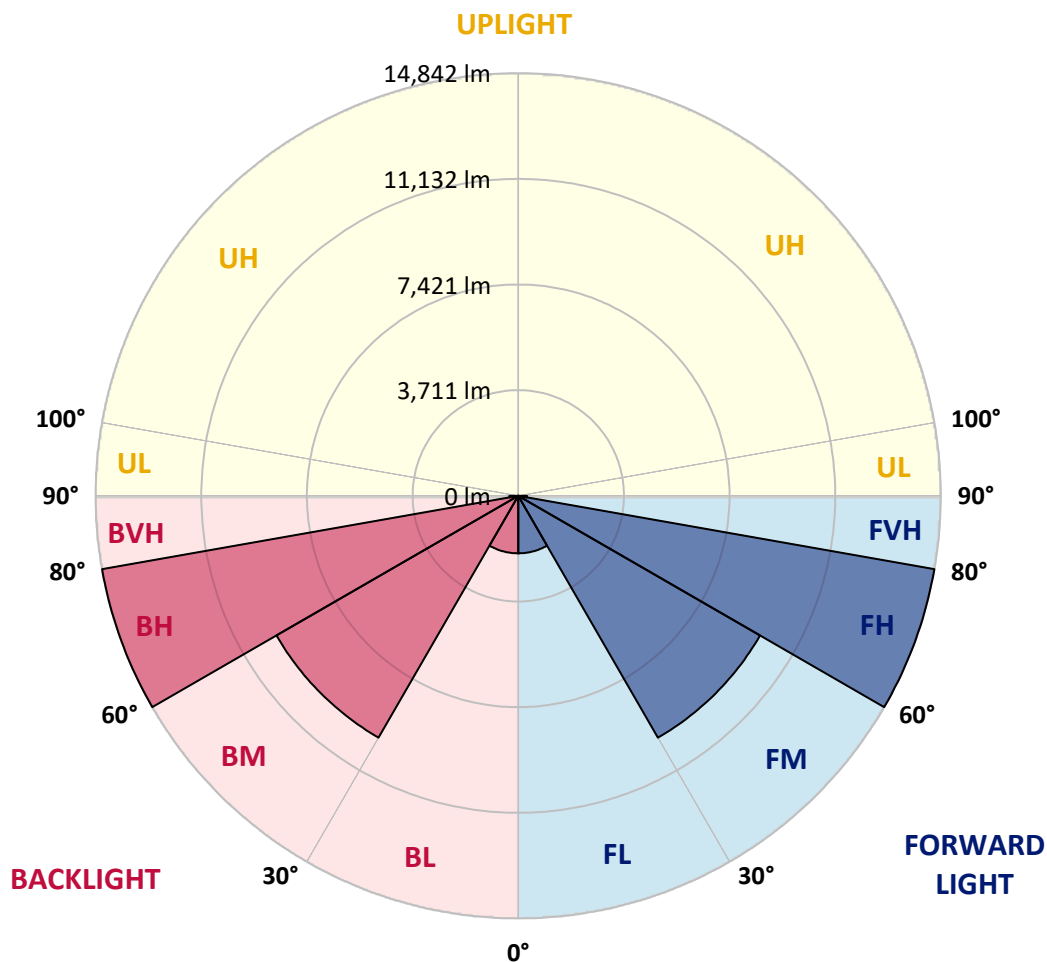


REPORT NUMBER: P851471
 CATALOG NUMBER: GLAN-SB9C-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2019.7	3.7			
FM (30°-60°)	9807.2	18.2			
FH (60°-80°)	14842.3	27.5			G5
FVH (80°-90°)	308.3	0.6			G3/500
BL (0°-30°)	2019.7	3.7	B3/2500		
BM (30°-60°)	9807.2	18.2	B5		
BH (60°-80°)	14842.3	27.5	B5		G5
BVH (80°-90°)	308.3	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short



REPORT NUMBER: P851471
 CATALOG NUMBER: GLAN-SB9C-722-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4921.8	4921.8	4921.8	4921.8	4921.8	4921.8	4921.8	4921.8	4921.8	4921.8
2.5°	4890.9	4905.0	4899.3	4888.1	4888.1	4879.7	4888.1	4893.7	4902.2	4907.8
5°	4826.4	4837.6	4834.8	4826.4	4829.2	4820.8	4826.4	4834.8	4840.5	4843.3
7.5°	4770.3	4781.6	4776.0	4761.9	4761.9	4753.5	4756.3	4764.7	4773.1	4776.0
10°	4756.3	4767.5	4750.7	4728.3	4719.9	4708.6	4711.4	4719.9	4736.7	4745.1
12.5°	4761.9	4770.3	4753.5	4719.9	4711.4	4700.2	4700.2	4708.6	4731.1	4742.3
15°	4778.8	4787.2	4761.9	4725.5	4717.1	4708.6	4705.8	4717.1	4742.3	4761.9
17.5°	4809.6	4818.0	4778.8	4728.3	4717.1	4719.9	4717.1	4725.5	4764.7	4801.2
20°	4837.6	4843.3	4790.0	4728.3	4717.1	4719.9	4717.1	4733.9	4784.4	4834.8
22.5°	4846.1	4851.7	4801.2	4747.9	4739.5	4742.3	4739.5	4756.3	4804.0	4854.5
25°	4848.9	4857.3	4818.0	4776.0	4790.0	4795.6	4790.0	4792.8	4829.2	4874.1
27.5°	4890.9	4902.2	4865.7	4829.2	4837.6	4834.8	4843.3	4851.7	4879.7	4924.6
30°	4977.9	4986.3	4955.4	4919.0	4913.4	4893.7	4919.0	4947.0	4977.9	5017.1
32.5°	5120.9	5137.7	5098.5	5059.2	5034.0	5022.7	5042.4	5090.0	5132.1	5174.2
35°	5359.3	5370.5	5334.0	5261.1	5216.2	5216.2	5233.1	5294.8	5362.1	5415.4
37.5°	5695.8	5709.8	5645.3	5558.4	5491.1	5491.1	5513.5	5578.0	5679.0	5754.7
40°	6105.3	6124.9	6043.6	5953.8	5889.3	5878.1	5906.1	5979.1	6074.4	6169.8
42.5°	6598.8	6621.3	6514.7	6436.2	6385.7	6385.7	6399.7	6467.0	6554.0	6671.7
45°	7229.8	7269.1	7123.3	7044.7	6997.1	7008.3	7016.7	7075.6	7154.1	7288.7
47.5°	7981.4	8020.7	7866.4	7785.1	7776.7	7830.0	7796.3	7838.4	7880.5	8034.7
50°	8834.0	8901.3	8794.7	8789.1	8805.9	8904.1	8825.6	8848.0	8800.3	8898.5
52.5°	9877.2	9975.4	9955.7	9989.4	10177.3	10379.2	10199.7	10121.2	9941.7	9972.6
55°	11142.0	11290.7	11318.7	11520.6	11946.9	12359.1	11977.7	11660.8	11279.4	11209.3
57.5°	12580.7	12698.5	12833.1	13245.3	14041.8	14773.8	14041.8	13340.7	12740.5	12597.5
60°	14128.7	14274.6	14403.6	15012.1	16195.6	17224.8	16173.2	15059.8	14266.2	14072.7
62.5°	15791.8	15979.7	16069.4	16745.3	18125.1	19353.4	18144.7	16795.8	15915.2	15707.6
65°	17387.5	17541.7	17642.7	18363.4	19681.5	20912.7	19771.3	18442.0	17536.1	17264.1
67.5°	18130.7	18214.8	18461.6	19277.7	20668.7	22073.7	20904.3	19364.6	18352.2	17875.5
70°	17042.5	16871.5	17466.0	18772.9	20786.5	22786.0	21055.7	18733.6	17494.1	16720.0
72.5°	13169.6	12875.2	13907.2	16142.3	19440.3	22331.7	19575.0	16268.5	14549.4	12978.9
75°	7165.3	6831.6	8256.3	11083.1	15502.9	19356.2	15859.1	11400.0	9192.9	7112.0
77.5°	2022.0	1895.8	3045.6	5362.1	9324.7	13590.3	9683.7	5479.9	3612.1	2142.6
80°	619.8	600.1	813.3	1615.4	3959.9	6509.1	3805.6	1635.0	1034.8	653.4
82.5°	367.4	336.5	403.8	588.9	1009.6	2044.4	981.6	614.2	493.6	330.9
85°	210.3	196.3	238.4	286.1	339.3	434.7	283.2	291.7	263.6	176.7
87.5°	86.9	78.5	92.5	89.7	78.5	101.0	75.7	89.7	106.6	70.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4921.8
4905.0
4843.3
4776.0
4745.1
4745.1
4764.7
4801.2
4837.6
4854.5
4871.3
4913.4
5008.7
5157.4
5395.7
5726.7
6138.9
6663.3
7283.1
7989.8
8839.6
9868.8
11100.0
12496.6
13904.4
15539.4
17129.5
17881.1
16905.1
13368.7
7574.8
2381.0
689.9
359.0
185.1
64.5
0.0

OF REPORT)