

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: P851601

Luminaire Tested: **GLAN-SB9C-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851601
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-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46550 lumens
Efficiency: N/A
Efficacy: 103.5 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

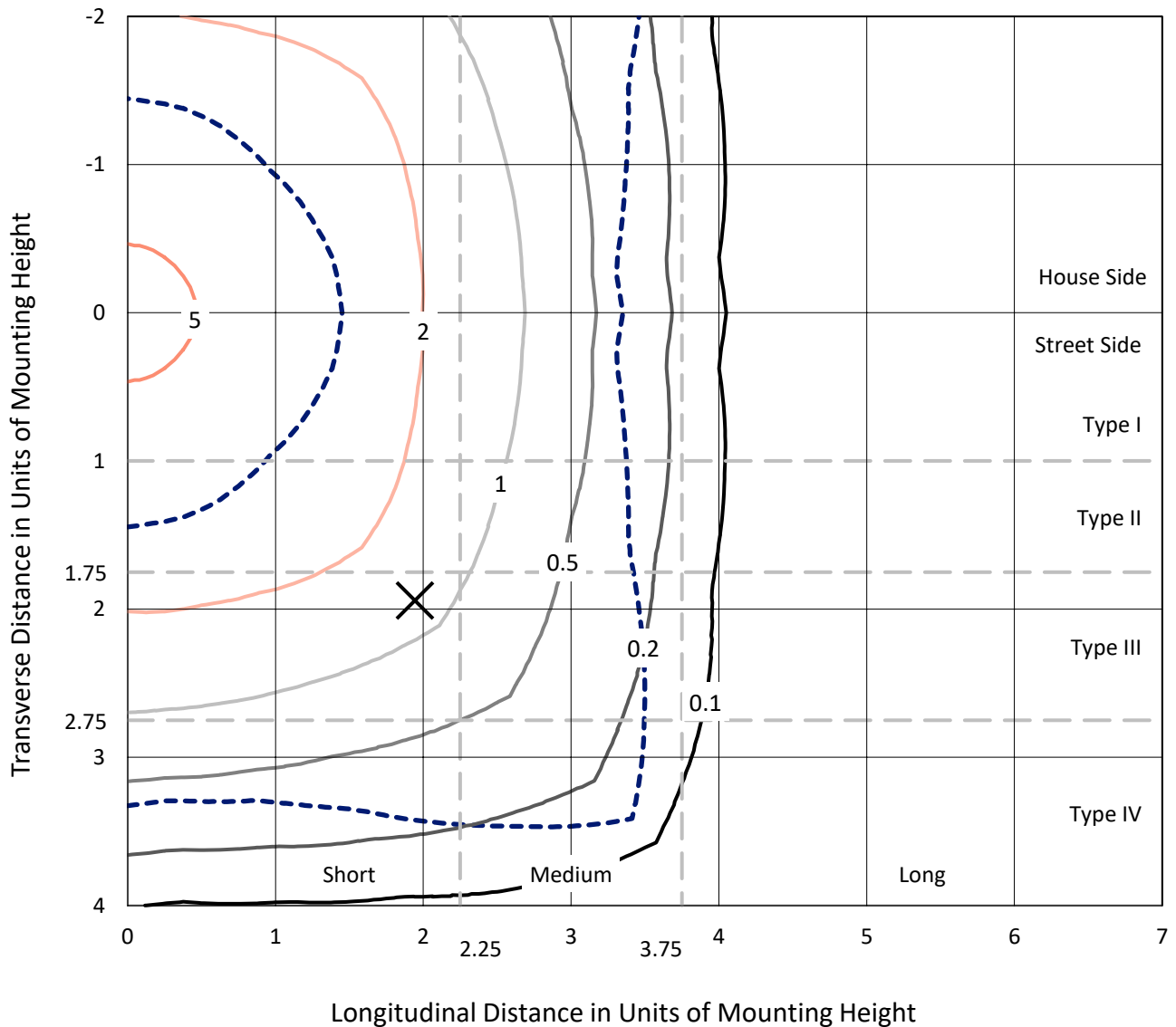
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

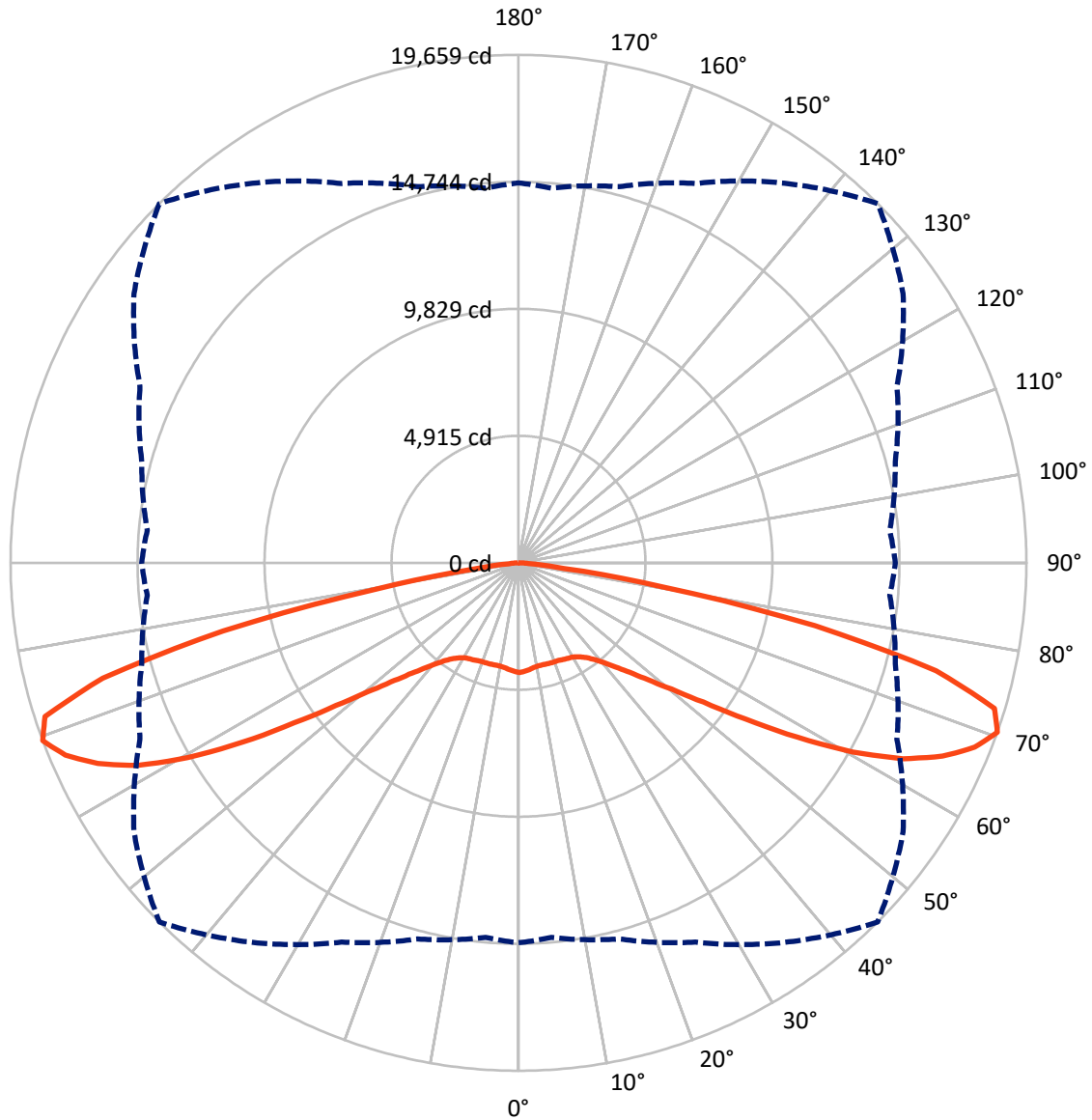
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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
House Side	Lumens	23275.0	0.0	23275.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23275.0	0.0	23275.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	46550.0	0.0	46550.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.0	0.8
10°-20°	1159.8	2.5
20°-30°	1930.1	4.1
30°-40°	2918.9	6.3
40°-50°	4850.6	10.4
50°-60°	9152.9	19.7
60°-70°	15455.0	33.2
70°-80°	10155.5	21.8
80°-90°	532.0	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°	46550.0	100.0
0°-180°	46550.0	100.0

Coefficient of Utilization



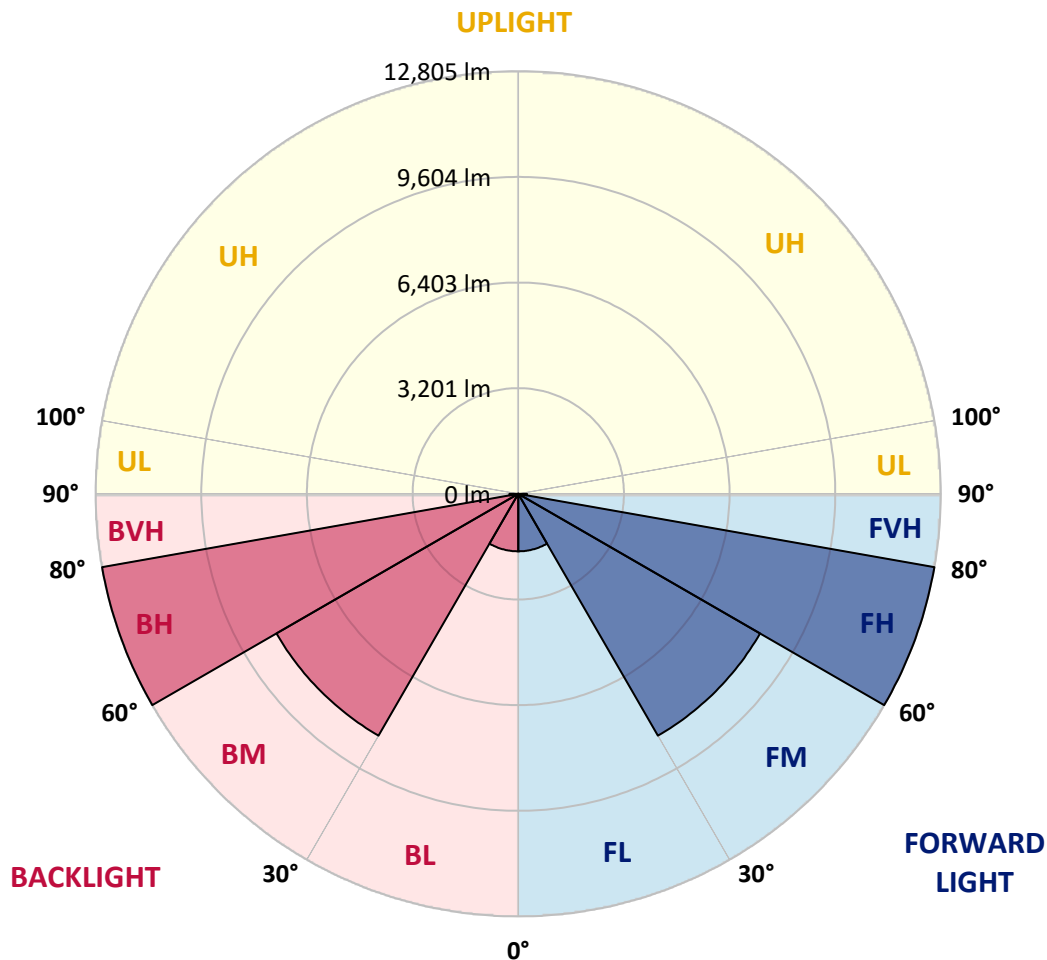
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1742.5	3.7			
FM (30°-60°)	8461.2	18.2			
FH (60°-80°)	12805.3	27.5			G5
FVH (80°-90°)	266.0	0.6			G3/500
BL (0°-30°)	1742.5	3.7	B3/2500		
BM (30°-60°)	8461.2	18.2	B4/8500		
BH (60°-80°)	12805.3	27.5	B5		G5
BVH (80°-90°)	266.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4246.3	4246.3	4246.3	4246.3	4246.3	4246.3	4246.3	4246.3	4246.3	4246.3
2.5°	4219.7	4231.8	4226.9	4217.3	4217.3	4210.0	4217.3	4222.1	4229.4	4234.2
5°	4164.0	4173.7	4171.3	4164.0	4166.5	4159.2	4164.0	4171.3	4176.1	4178.6
7.5°	4115.6	4125.3	4120.5	4108.4	4108.4	4101.1	4103.5	4110.8	4118.1	4120.5
10°	4103.5	4113.2	4098.7	4079.3	4072.1	4062.4	4064.8	4072.1	4086.6	4093.9
12.5°	4108.4	4115.6	4101.1	4072.1	4064.8	4055.2	4055.2	4062.4	4081.8	4091.4
15°	4122.9	4130.2	4108.4	4076.9	4069.7	4062.4	4060.0	4069.7	4091.4	4108.4
17.5°	4149.5	4156.8	4122.9	4079.3	4069.7	4072.1	4069.7	4076.9	4110.8	4142.3
20°	4173.7	4178.6	4132.6	4079.3	4069.7	4072.1	4069.7	4084.2	4127.7	4171.3
22.5°	4181.0	4185.8	4142.3	4096.3	4089.0	4091.4	4089.0	4103.5	4144.7	4188.2
25°	4183.4	4190.6	4156.8	4120.5	4132.6	4137.4	4132.6	4135.0	4166.5	4205.2
27.5°	4219.7	4229.4	4197.9	4166.5	4173.7	4171.3	4178.6	4185.8	4210.0	4248.7
30°	4294.7	4301.9	4275.3	4243.9	4239.0	4222.1	4243.9	4268.1	4294.7	4328.6
32.5°	4418.1	4432.6	4398.7	4364.9	4343.1	4333.4	4350.3	4391.5	4427.8	4464.1
35°	4623.7	4633.4	4602.0	4539.1	4500.3	4500.3	4514.9	4568.1	4626.2	4672.1
37.5°	4914.1	4926.2	4870.5	4795.5	4737.5	4737.5	4756.8	4812.5	4899.6	4964.9
40°	5267.3	5284.3	5214.1	5136.7	5081.0	5071.4	5095.6	5158.5	5240.7	5323.0
42.5°	5693.2	5712.5	5620.6	5552.9	5509.3	5509.3	5521.4	5579.5	5654.5	5756.1
45°	6237.6	6271.5	6145.6	6077.9	6036.8	6046.4	6053.7	6104.5	6172.3	6288.4
47.5°	6886.0	6919.9	6786.8	6716.7	6709.4	6755.4	6726.3	6762.6	6798.9	6932.0
50°	7621.6	7679.6	7587.7	7582.8	7597.4	7682.0	7614.3	7633.7	7592.5	7677.2
52.5°	8521.6	8606.3	8589.4	8618.4	8780.5	8954.7	8799.9	8732.1	8577.3	8603.9
55°	9612.8	9741.1	9765.3	9939.5	10307.3	10662.9	10333.9	10060.5	9731.4	9670.9
57.5°	10854.1	10955.7	11071.8	11427.5	12114.6	12746.2	12114.6	11509.8	10992.0	10868.6
60°	12189.7	12315.5	12426.8	12951.8	13972.9	14860.8	13953.5	12992.9	12308.2	12141.3
62.5°	13624.4	13786.6	13864.0	14447.1	15637.5	16697.3	15654.4	14490.6	13730.9	13551.9
65°	15001.2	15134.2	15221.3	15843.2	16980.3	18042.5	17057.8	15910.9	15129.4	14894.7
67.5°	15642.3	15714.9	15927.8	16631.9	17832.0	19044.2	18035.3	16706.9	15833.5	15422.2
70°	14703.6	14556.0	15068.9	16196.4	17933.6	19658.8	18165.9	16162.5	15093.1	14425.3
72.5°	11362.2	11108.1	11998.5	13926.9	16772.3	19266.8	16888.4	14035.8	12552.6	11197.6
75°	6181.9	5894.0	7123.1	9562.0	13375.2	16699.7	13682.5	9835.4	7931.3	6136.0
77.5°	1744.5	1635.6	2627.6	4626.2	8045.0	11725.1	8354.7	4727.8	3116.4	1848.5
80°	534.7	517.8	701.7	1393.7	3416.4	5615.8	3283.3	1410.6	892.8	563.8
82.5°	317.0	290.3	348.4	508.1	871.0	1763.8	846.8	529.9	425.8	285.5
85°	181.5	169.4	205.7	246.8	292.8	375.0	244.4	251.6	227.4	152.4
87.5°	75.0	67.7	79.8	77.4	67.7	87.1	65.3	77.4	91.9	60.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4246.3
4231.8
4178.6
4120.5
4093.9
4093.9
4110.8
4142.3
4173.7
4188.2
4202.7
4239.0
4321.3
4449.5
4655.2
4940.7
5296.4
5748.8
6283.6
6893.3
7626.4
8514.4
9576.5
10781.5
11996.1
13406.7
14778.6
15427.0
14585.0
11534.0
6535.2
2054.2
595.2
309.7
159.7
55.6
0.0

OF REPORT)