

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: P851581

Luminaire Tested: **GLAN-SB9C-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851581
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-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59245 lumens
Efficiency: N/A
Efficacy: 131.7 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

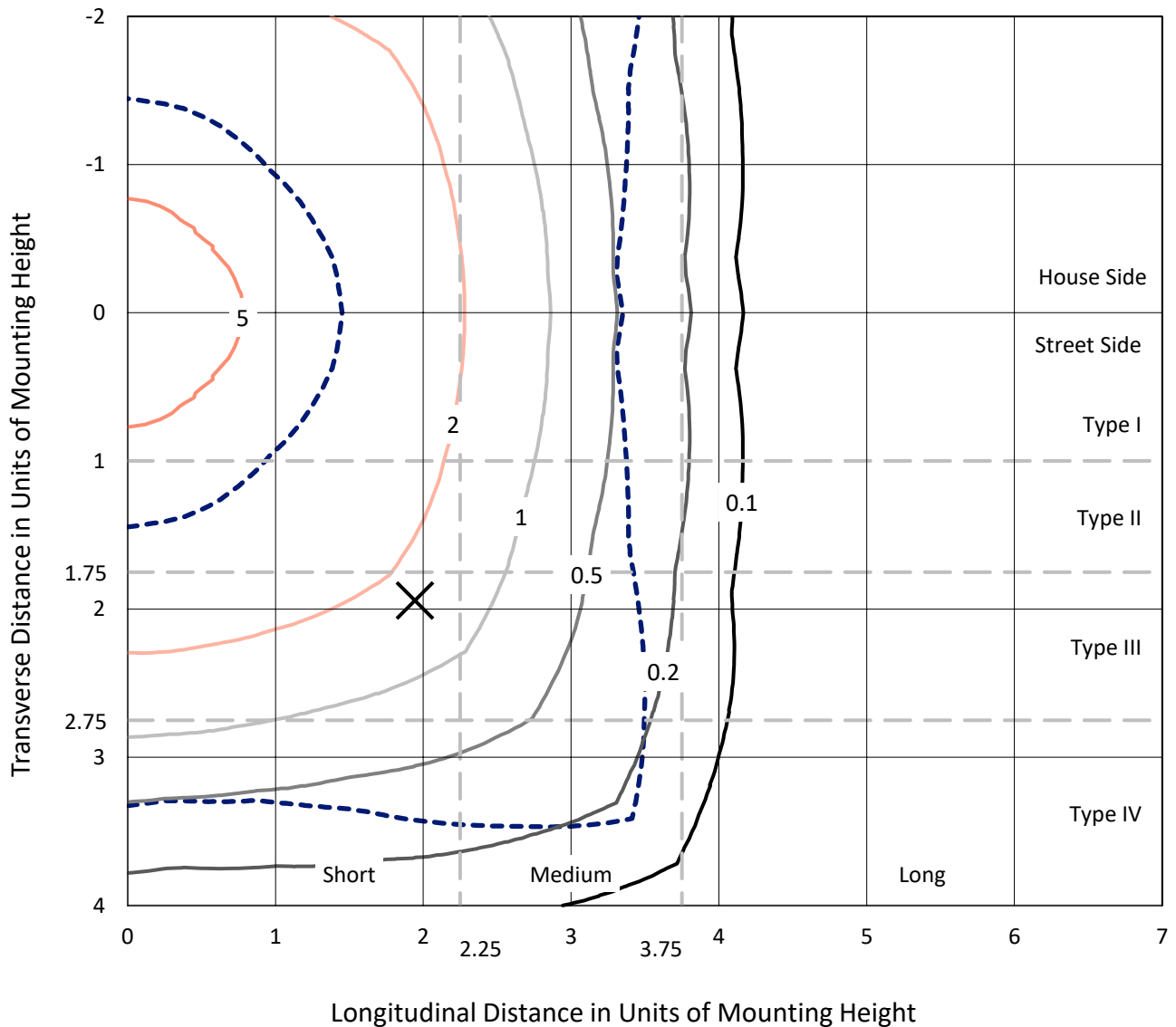
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

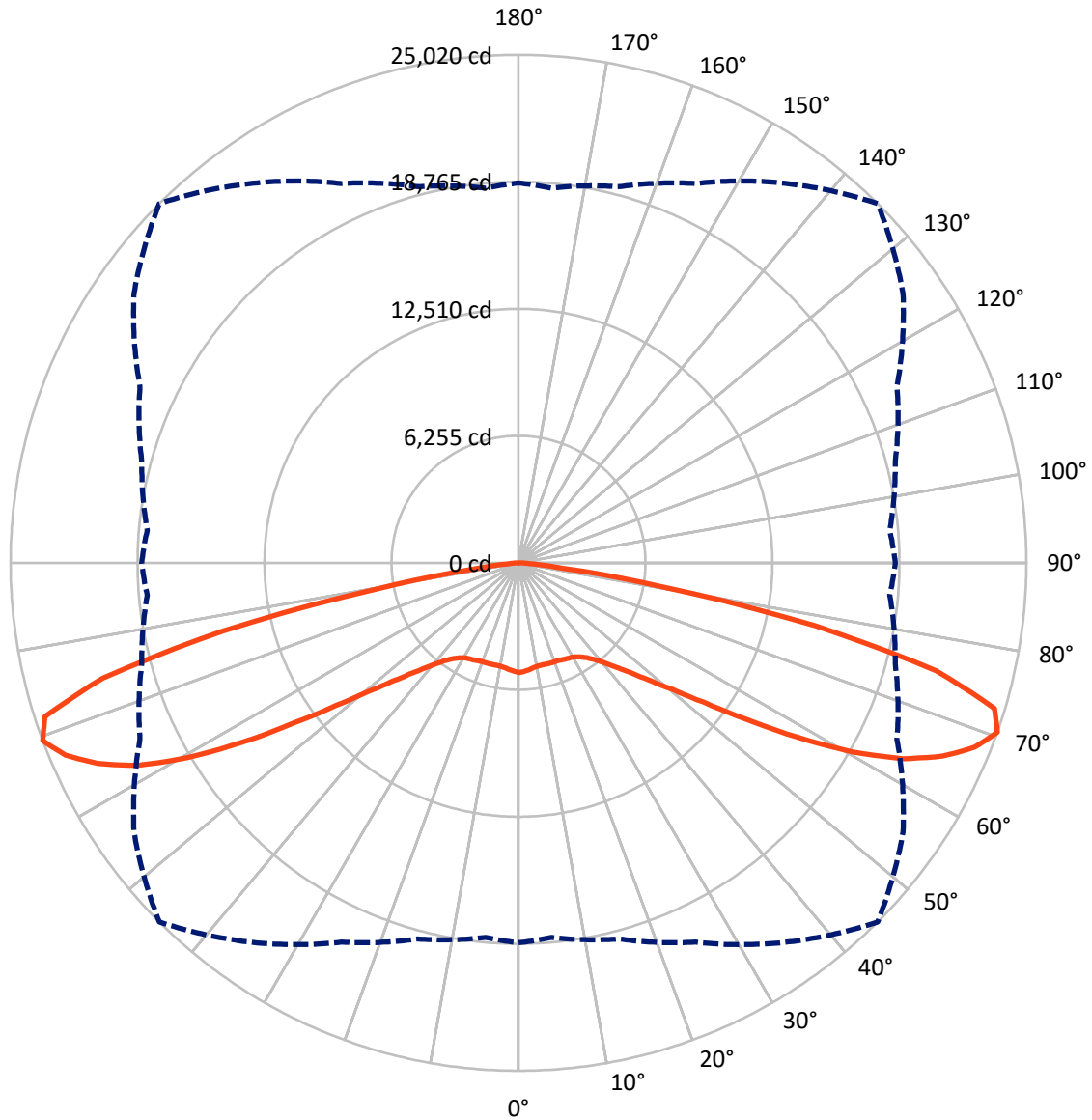
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	29622.5	0.0	29622.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29622.5	0.0	29622.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59245.0	0.0	59245.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.7	0.8
10°-20°	1476.1	2.5
20°-30°	2456.5	4.1
30°-40°	3715.0	6.3
40°-50°	6173.4	10.4
50°-60°	11649.0	19.7
60°-70°	19669.9	33.2
70°-80°	12925.1	21.8
80°-90°	677.1	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°	59245.0	100.0
0°-180°	59245.0	100.0

Coefficient of Utilization



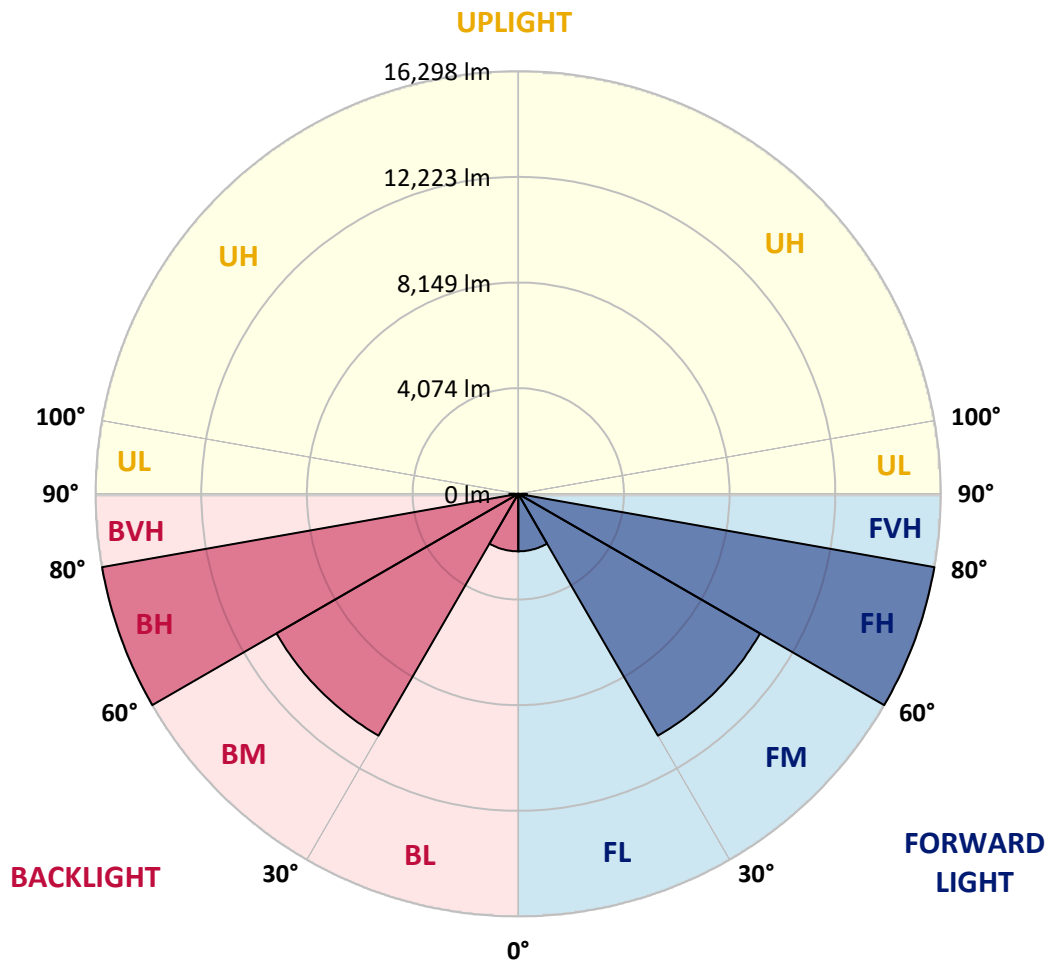
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2217.7	3.7			
FM (30°-60°)	10768.7	18.2			
FH (60°-80°)	16297.5	27.5			G5
FVH (80°-90°)	338.6	0.6			G3/500
BL (0°-30°)	2217.7	3.7	B3/2500		
BM (30°-60°)	10768.7	18.2	B5		
BH (60°-80°)	16297.5	27.5	B5		G5
BVH (80°-90°)	338.6	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°	5404.3	5404.3	5404.3	5404.3	5404.3	5404.3	5404.3	5404.3	5404.3	5404.3
2.5°	5370.5	5385.9	5379.7	5367.4	5367.4	5358.1	5367.4	5373.5	5382.8	5388.9
5°	5299.6	5312.0	5308.9	5299.6	5302.7	5293.5	5299.6	5308.9	5315.0	5318.1
7.5°	5238.0	5250.4	5244.2	5228.8	5228.8	5219.6	5222.7	5231.9	5241.1	5244.2
10°	5222.7	5235.0	5216.5	5191.9	5182.6	5170.3	5173.4	5182.6	5201.1	5210.3
12.5°	5228.8	5238.0	5219.6	5182.6	5173.4	5161.1	5161.1	5170.3	5194.9	5207.3
15°	5247.3	5256.5	5228.8	5188.8	5179.5	5170.3	5167.2	5179.5	5207.3	5228.8
17.5°	5281.2	5290.4	5247.3	5191.9	5179.5	5182.6	5179.5	5188.8	5231.9	5271.9
20°	5312.0	5318.1	5259.6	5191.9	5179.5	5182.6	5179.5	5198.0	5253.4	5308.9
22.5°	5321.2	5327.4	5271.9	5213.4	5204.2	5207.3	5204.2	5222.7	5275.0	5330.4
25°	5324.3	5333.5	5290.4	5244.2	5259.6	5265.8	5259.6	5262.7	5302.7	5352.0
27.5°	5370.5	5382.8	5342.7	5302.7	5312.0	5308.9	5318.1	5327.4	5358.1	5407.4
30°	5465.9	5475.2	5441.3	5401.3	5395.1	5373.5	5401.3	5432.1	5465.9	5509.0
32.5°	5623.0	5641.5	5598.3	5555.2	5527.5	5515.2	5536.8	5589.1	5635.3	5681.5
35°	5884.7	5897.0	5857.0	5776.9	5727.7	5727.7	5746.1	5813.9	5887.8	5946.3
37.5°	6254.2	6269.6	6198.8	6103.4	6029.5	6029.5	6054.1	6124.9	6235.8	6318.9
40°	6703.8	6725.4	6636.1	6537.6	6466.7	6454.4	6485.2	6565.3	6670.0	6774.7
42.5°	7245.8	7270.4	7153.4	7067.2	7011.8	7011.8	7027.2	7101.1	7196.5	7325.9
45°	7938.7	7981.8	7821.7	7735.4	7683.1	7695.4	7704.6	7769.3	7855.5	8003.3
47.5°	8764.0	8807.1	8637.7	8548.4	8539.2	8597.7	8560.7	8606.9	8653.1	8822.5
50°	9700.1	9774.0	9657.0	9650.8	9669.3	9777.1	9690.9	9715.5	9663.1	9770.9
52.5°	10845.6	10953.4	10931.8	10968.8	11175.1	11396.8	11199.8	11113.5	10916.5	10950.3
55°	12234.4	12397.6	12428.4	12650.2	13118.2	13570.9	13152.1	12804.1	12385.3	12308.3
57.5°	13814.2	13943.5	14091.3	14544.0	15418.5	16222.2	15418.5	14648.7	13989.7	13832.6
60°	15514.0	15674.1	15815.8	16484.0	17783.5	18913.6	17758.9	16536.3	15664.9	15452.4
62.5°	17340.1	17546.4	17644.9	18387.1	19902.1	21250.9	19923.7	18442.5	17475.6	17247.7
65°	19092.2	19261.6	19372.5	20163.9	21611.2	22963.0	21709.7	20250.1	19255.5	18956.8
67.5°	19908.3	20000.7	20271.7	21167.8	22695.1	24237.9	22953.8	21263.2	20151.6	19628.1
70°	18713.5	18525.6	19178.5	20613.5	22824.5	25020.1	23120.1	20570.4	19209.3	18359.3
72.5°	14460.8	14137.5	15270.7	17725.0	21346.4	24521.2	21494.2	17863.6	15975.9	14251.4
75°	7867.9	7501.4	9065.7	12169.8	17022.9	21254.0	17414.0	12517.7	10094.3	7809.3
77.5°	2220.2	2081.7	3344.2	5887.8	10239.0	14922.7	10633.1	6017.1	3966.3	2352.7
80°	680.5	659.0	893.0	1773.7	4348.1	7147.3	4178.7	1795.3	1136.3	717.5
82.5°	403.4	369.5	443.4	646.7	1108.6	2244.9	1077.8	674.4	542.0	363.4
85°	231.0	215.6	261.7	314.1	372.6	477.3	311.0	320.3	289.5	194.0
87.5°	95.5	86.2	101.6	98.5	86.2	110.9	83.1	98.5	117.0	77.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5404.3
5385.9
5318.1
5244.2
5210.3
5210.3
5231.9
5271.9
5312.0
5330.4
5348.9
5395.1
5499.8
5663.0
5924.8
6288.1
6740.8
7316.6
7997.2
8773.2
9706.3
10836.4
12188.2
13721.8
15267.6
17062.9
18808.9
19634.2
18562.6
14679.5
8317.4
2614.4
757.5
394.2
203.2
70.8
0.0

OF REPORT)