

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: P851151

Luminaire Tested: **GLAN-SB9A-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851151
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-SB9A-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39922 lumens
Efficiency: N/A
Efficacy: 156.3 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

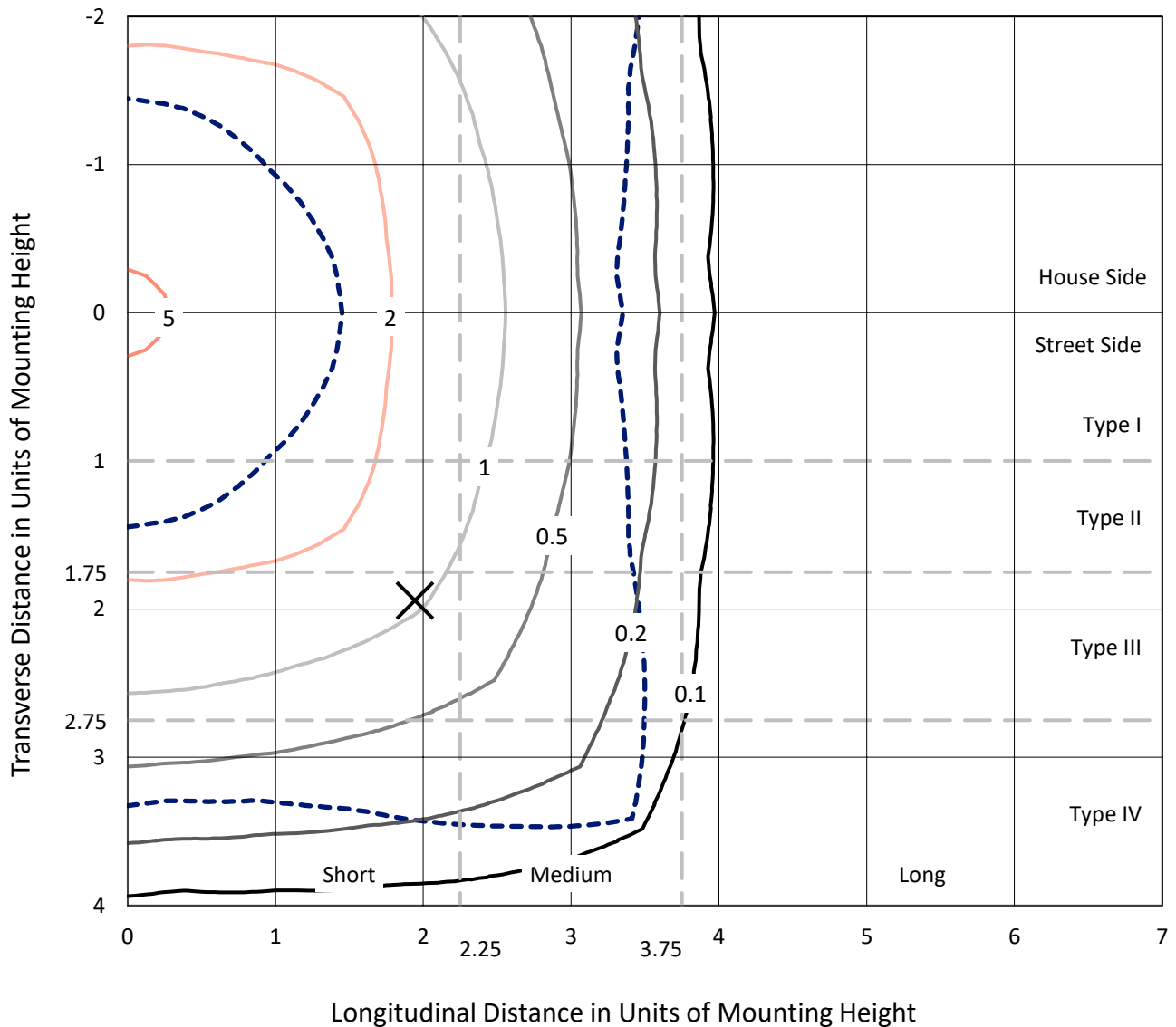
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

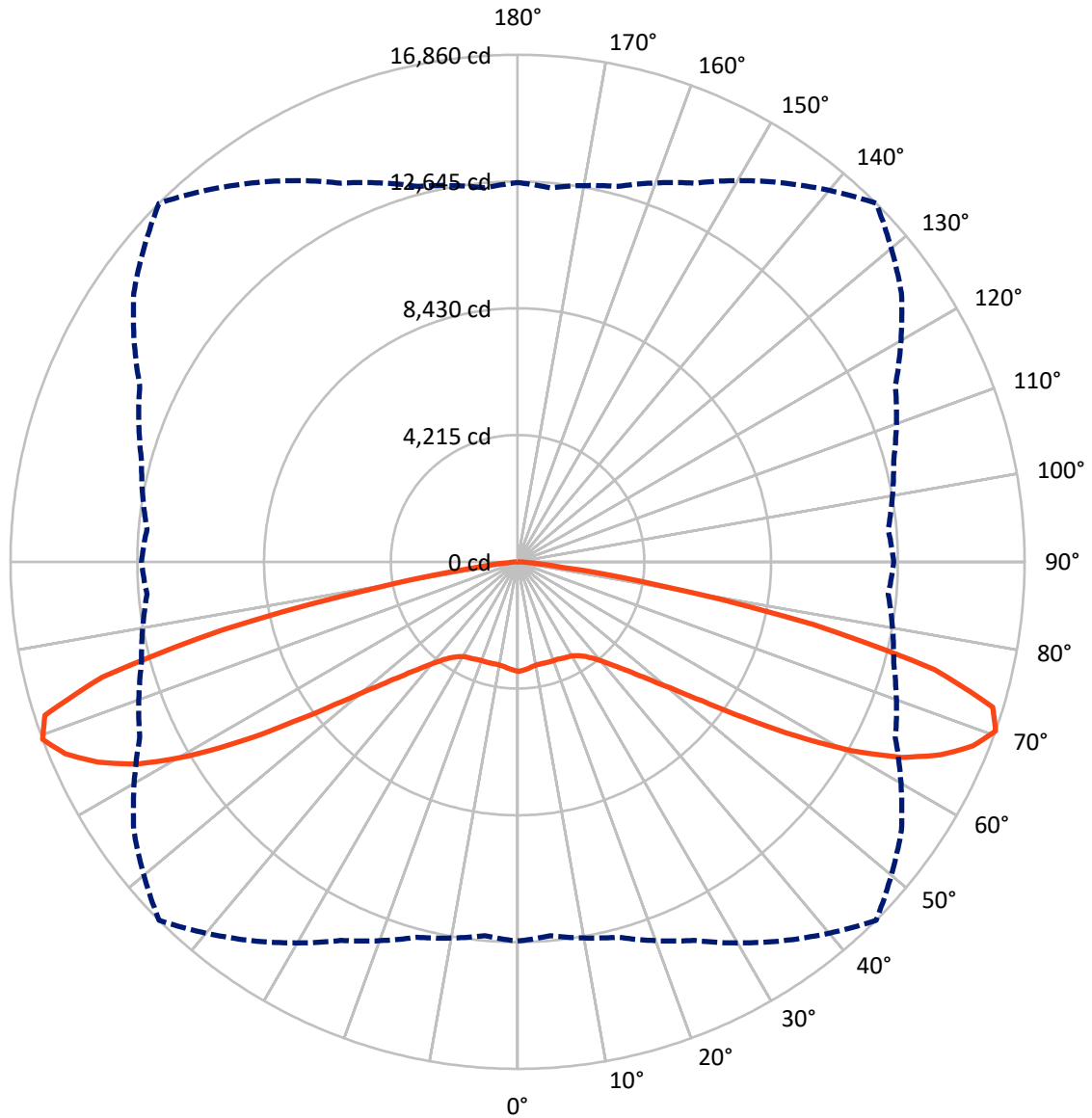
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	19961.0	0.0	19961.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19961.0	0.0	19961.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39922.0	0.0	39922.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.8	0.8
10°-20°	994.7	2.5
20°-30°	1655.3	4.1
30°-40°	2503.3	6.3
40°-50°	4159.9	10.4
50°-60°	7849.7	19.7
60°-70°	13254.5	33.2
70°-80°	8709.6	21.8
80°-90°	456.3	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°	39922.0	100.0
0°-180°	39922.0	100.0

Coefficient of Utilization

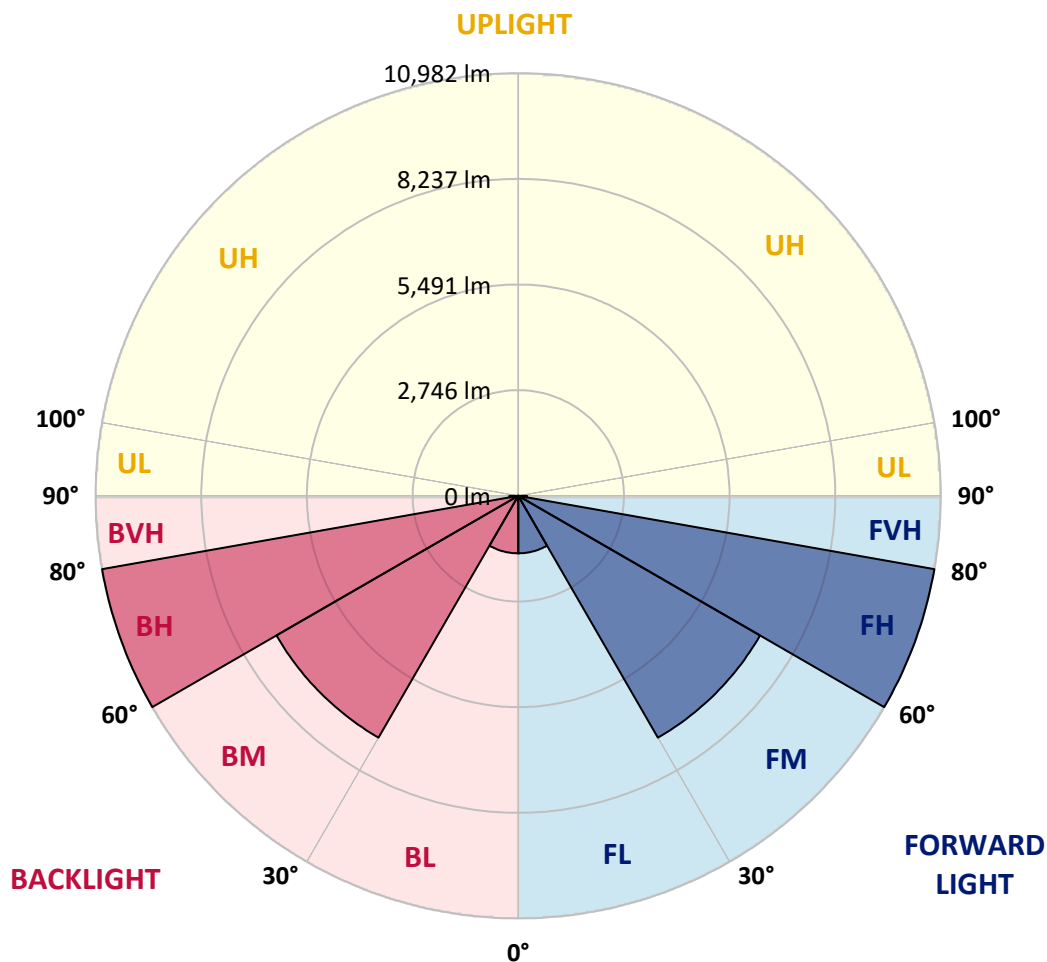


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1494.4	3.7			
FM (30°-60°)	7256.5	18.2			
FH (60°-80°)	10982.0	27.5			G4/12000
FVH (80°-90°)	228.2	0.6			G3/500
BL (0°-30°)	1494.4	3.7	B3/2500		
BM (30°-60°)	7256.5	18.2	B4/8500		
BH (60°-80°)	10982.0	27.5	B5		G4/12000
BVH (80°-90°)	228.2	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-G4
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3641.7	3641.7	3641.7	3641.7	3641.7	3641.7	3641.7	3641.7	3641.7	3641.7
2.5°	3618.9	3629.2	3625.1	3616.8	3616.8	3610.6	3616.8	3620.9	3627.2	3631.3
5°	3571.1	3579.4	3577.4	3571.1	3573.2	3567.0	3571.1	3577.4	3581.5	3583.6
7.5°	3529.6	3537.9	3533.8	3523.4	3523.4	3517.2	3519.3	3525.5	3531.7	3533.8
10°	3519.3	3527.6	3515.1	3498.5	3492.3	3484.0	3486.1	3492.3	3504.7	3511.0
12.5°	3523.4	3529.6	3517.2	3492.3	3486.1	3477.8	3477.8	3484.0	3500.6	3508.9
15°	3535.9	3542.1	3523.4	3496.4	3490.2	3484.0	3481.9	3490.2	3508.9	3523.4
17.5°	3558.7	3564.9	3535.9	3498.5	3490.2	3492.3	3490.2	3496.4	3525.5	3552.5
20°	3579.4	3583.6	3544.2	3498.5	3490.2	3492.3	3490.2	3502.7	3540.0	3577.4
22.5°	3585.7	3589.8	3552.5	3513.0	3506.8	3508.9	3506.8	3519.3	3554.5	3591.9
25°	3587.7	3594.0	3564.9	3533.8	3544.2	3548.3	3544.2	3546.2	3573.2	3606.4
27.5°	3618.9	3627.2	3600.2	3573.2	3579.4	3577.4	3583.6	3589.8	3610.6	3643.8
30°	3683.2	3689.4	3666.6	3639.6	3635.5	3620.9	3639.6	3660.4	3683.2	3712.2
32.5°	3789.0	3801.5	3772.4	3743.4	3724.7	3716.4	3730.9	3766.2	3797.3	3828.4
35°	3965.4	3973.7	3946.7	3892.8	3859.6	3859.6	3872.0	3917.7	3967.5	4006.9
37.5°	4214.4	4224.8	4177.0	4112.7	4062.9	4062.9	4079.5	4127.2	4202.0	4258.0
40°	4517.4	4531.9	4471.7	4405.3	4357.6	4349.3	4370.0	4424.0	4494.5	4565.1
42.5°	4882.6	4899.2	4820.3	4762.2	4724.9	4724.9	4735.2	4785.0	4849.4	4936.5
45°	5349.4	5378.5	5270.6	5212.5	5177.2	5185.5	5191.7	5235.3	5293.4	5393.0
47.5°	5905.6	5934.6	5820.5	5760.3	5754.1	5793.5	5768.6	5799.7	5830.9	5945.0
50°	6536.4	6586.2	6507.3	6503.2	6515.6	6588.2	6530.1	6546.7	6511.5	6584.1
52.5°	7308.3	7380.9	7366.4	7391.3	7530.3	7679.7	7546.9	7488.8	7356.0	7378.8
55°	8244.1	8354.1	8374.8	8524.3	8839.7	9144.7	8862.5	8628.0	8345.8	8293.9
57.5°	9308.6	9395.8	9495.4	9800.4	10389.7	10931.3	10389.7	9871.0	9426.9	9321.1
60°	10454.0	10561.9	10657.4	11107.7	11983.3	12744.9	11966.7	11142.9	10555.7	10412.5
62.5°	11684.5	11823.6	11890.0	12390.0	13411.0	14319.8	13425.5	12427.4	11775.8	11622.3
65°	12865.2	12979.4	13054.1	13587.3	14562.6	15473.6	14629.0	13645.4	12975.2	12773.9
67.5°	13415.1	13477.4	13660.0	14263.8	15293.0	16332.6	15467.3	14328.1	13579.0	13226.3
70°	12610.0	12483.4	12923.3	13890.3	15380.2	16859.7	15579.4	13861.2	12944.1	12371.4
72.5°	9744.4	9526.5	10290.1	11943.9	14384.2	16523.5	14483.8	12037.3	10765.3	9603.3
75°	5301.7	5054.8	6108.9	8200.5	11470.8	14321.9	11734.3	8435.0	6802.0	5262.3
77.5°	1496.1	1402.7	2253.5	3967.5	6899.5	10055.6	7165.1	4054.6	2672.6	1585.3
80°	458.6	444.1	601.8	1195.2	2930.0	4816.2	2815.8	1209.7	765.7	483.5
82.5°	271.8	249.0	298.8	435.8	747.0	1512.7	726.3	454.4	365.2	244.9
85°	155.6	145.3	176.4	211.7	251.1	321.6	209.6	215.8	195.1	130.7
87.5°	64.3	58.1	68.5	66.4	58.1	74.7	56.0	66.4	78.9	51.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3641.7
3629.2
3583.6
3533.8
3511.0
3511.0
3525.5
3552.5
3579.4
3591.9
3604.3
3635.5
3706.0
3816.0
3992.4
4237.2
4542.3
4930.3
5388.9
5911.8
6540.5
7302.1
8213.0
9246.4
10288.0
11497.8
12674.3
13230.4
12508.3
9891.7
5604.7
1761.7
510.5
265.6
137.0
47.7
0.0

OF REPORT)