

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: P851591

Luminaire Tested: **GLAN-SB9C-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851591
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-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44434 lumens
Efficiency: N/A
Efficacy: 98.8 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

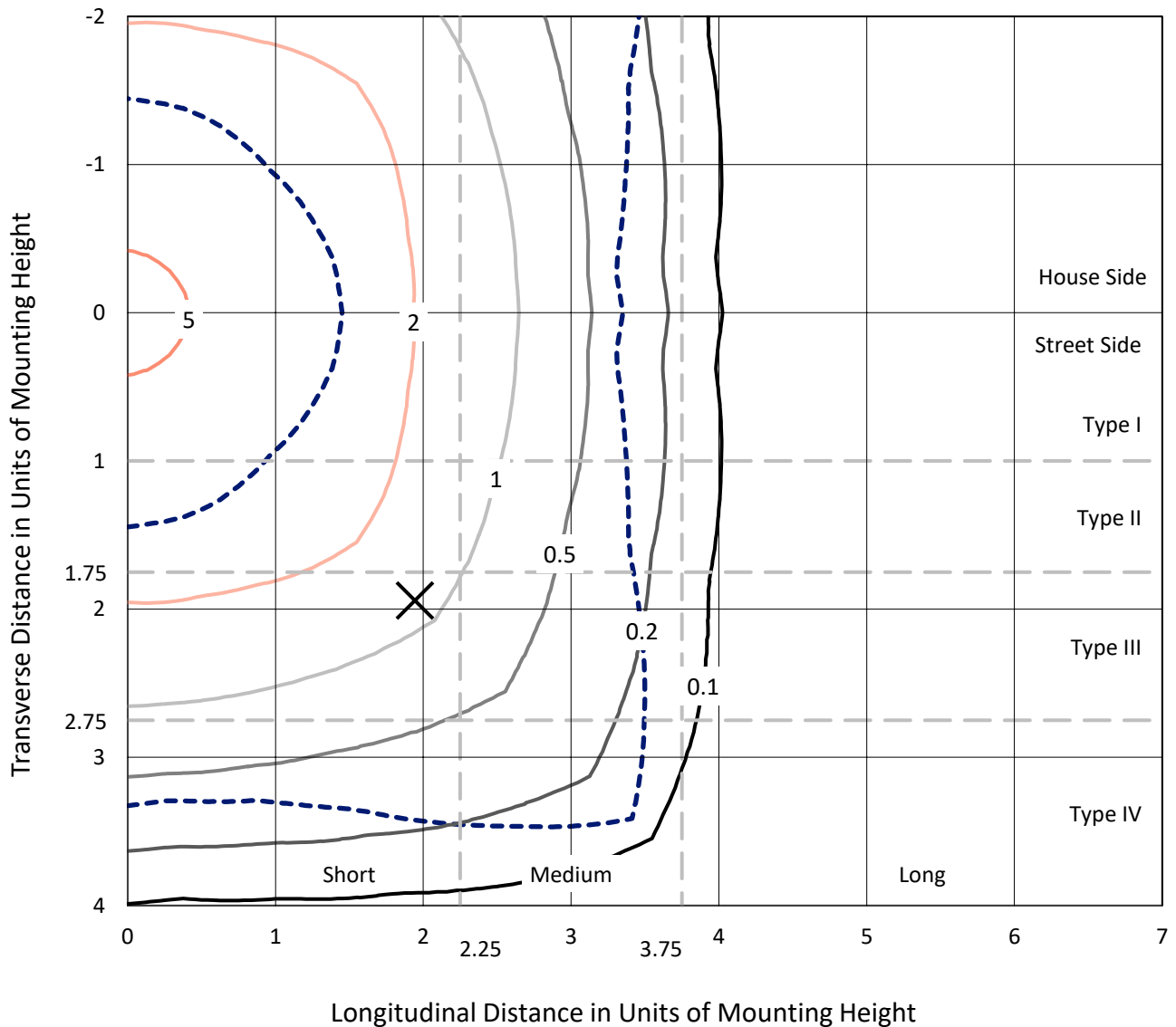
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

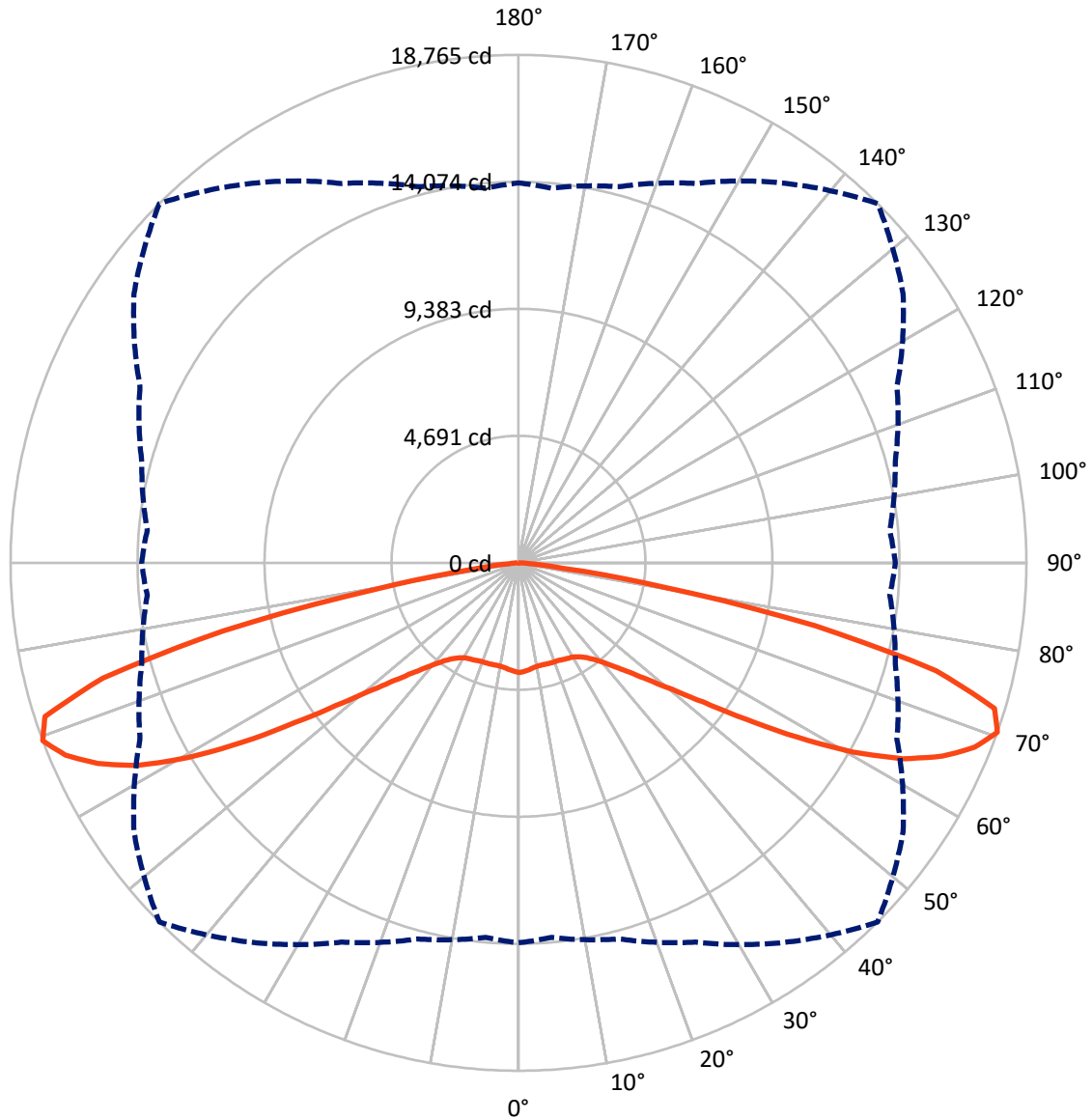
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	22217.0	0.0	22217.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22217.0	0.0	22217.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44434.0	0.0	44434.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.1	0.8
10°-20°	1107.1	2.5
20°-30°	1842.4	4.1
30°-40°	2786.3	6.3
40°-50°	4630.1	10.4
50°-60°	8736.8	19.7
60°-70°	14752.5	33.2
70°-80°	9693.9	21.8
80°-90°	507.9	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°	44434.0	100.0
0°-180°	44434.0	100.0

Coefficient of Utilization

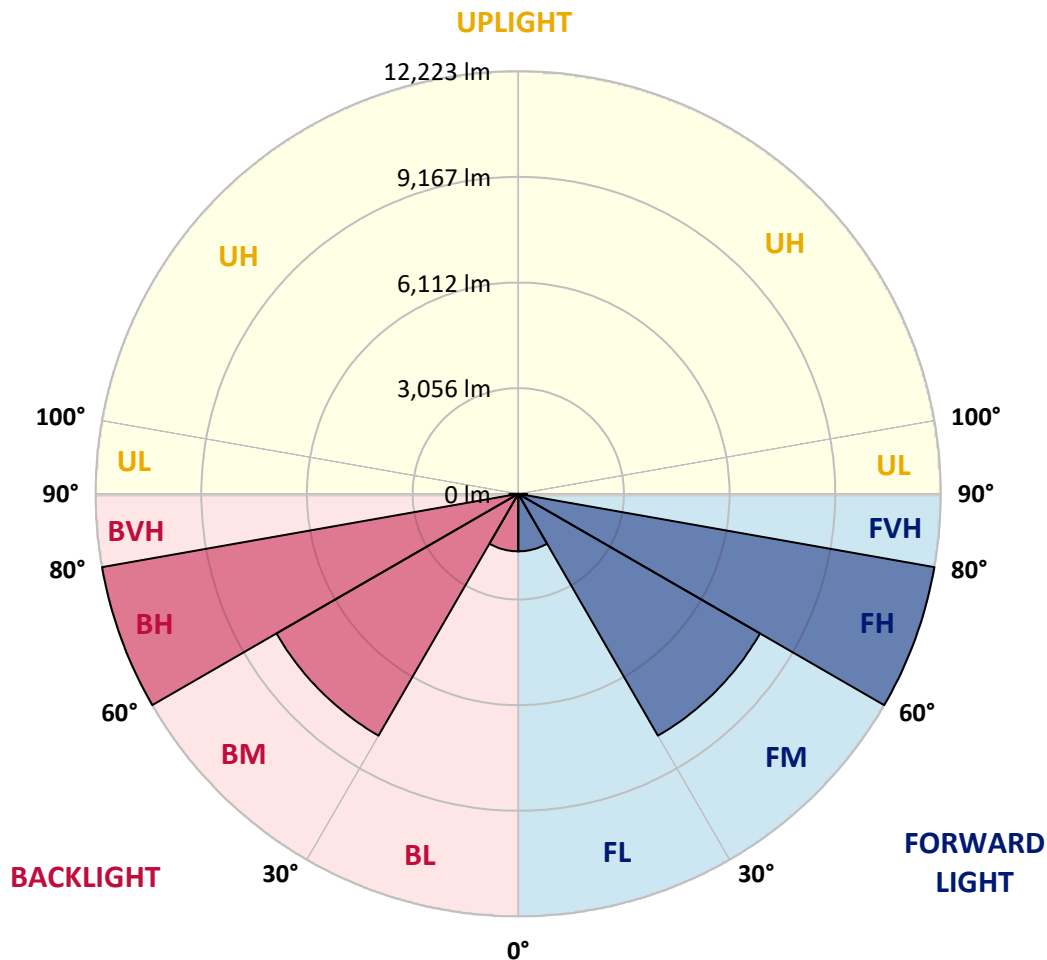


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1663.3	3.7			
FM (30°-60°)	8076.6	18.2			
FH (60°-80°)	12223.2	27.5			G5
FVH (80°-90°)	253.9	0.6			G3/500
BL (0°-30°)	1663.3	3.7	B3/2500		
BM (30°-60°)	8076.6	18.2	B4/8500		
BH (60°-80°)	12223.2	27.5	B5		G5
BVH (80°-90°)	253.9	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°	4053.3	4053.3	4053.3	4053.3	4053.3	4053.3	4053.3	4053.3	4053.3	4053.3
2.5°	4027.9	4039.4	4034.8	4025.6	4025.6	4018.6	4025.6	4030.2	4037.1	4041.7
5°	3974.8	3984.0	3981.7	3974.8	3977.1	3970.1	3974.8	3981.7	3986.3	3988.6
7.5°	3928.6	3937.8	3933.2	3921.6	3921.6	3914.7	3917.0	3923.9	3930.9	3933.2
10°	3917.0	3926.2	3912.4	3893.9	3887.0	3877.7	3880.1	3887.0	3900.8	3907.8
12.5°	3921.6	3928.6	3914.7	3887.0	3880.1	3870.8	3870.8	3877.7	3896.2	3905.5
15°	3935.5	3942.4	3921.6	3891.6	3884.7	3877.7	3875.4	3884.7	3905.5	3921.6
17.5°	3960.9	3967.8	3935.5	3893.9	3884.7	3887.0	3884.7	3891.6	3923.9	3954.0
20°	3984.0	3988.6	3944.7	3893.9	3884.7	3887.0	3884.7	3898.5	3940.1	3981.7
22.5°	3990.9	3995.5	3954.0	3910.1	3903.2	3905.5	3903.2	3917.0	3956.3	3997.8
25°	3993.2	4000.2	3967.8	3933.2	3944.7	3949.3	3944.7	3947.0	3977.1	4014.0
27.5°	4027.9	4037.1	4007.1	3977.1	3984.0	3981.7	3988.6	3995.5	4018.6	4055.6
30°	4099.5	4106.4	4081.0	4051.0	4046.3	4030.2	4051.0	4074.1	4099.5	4131.8
32.5°	4217.3	4231.1	4198.8	4166.4	4145.7	4136.4	4152.6	4191.8	4226.5	4261.1
35°	4413.6	4422.8	4392.8	4332.7	4295.8	4295.8	4309.6	4360.4	4415.9	4459.8
37.5°	4690.7	4702.3	4649.1	4577.5	4522.1	4522.1	4540.6	4593.7	4676.9	4739.2
40°	5027.9	5044.1	4977.1	4903.2	4850.1	4840.8	4863.9	4924.0	5002.5	5081.0
42.5°	5434.4	5452.9	5365.1	5300.4	5258.9	5258.9	5270.4	5325.8	5397.4	5494.4
45°	5954.0	5986.4	5866.3	5801.6	5762.3	5771.6	5778.5	5827.0	5891.7	6002.5
47.5°	6573.0	6605.3	6478.3	6411.3	6404.4	6448.3	6420.6	6455.2	6489.9	6616.9
50°	7275.1	7330.5	7242.8	7238.2	7252.0	7332.8	7268.2	7286.7	7247.4	7328.2
52.5°	8134.3	8215.1	8198.9	8226.6	8381.4	8547.7	8399.9	8335.2	8187.4	8212.8
55°	9175.9	9298.3	9321.4	9487.7	9838.7	10178.2	9864.1	9603.1	9289.0	9231.3
57.5°	10360.7	10457.7	10568.5	10908.0	11564.0	12166.8	11564.0	10986.6	10492.3	10374.5
60°	11635.6	11755.7	11861.9	12363.1	13337.7	14185.3	13319.2	12402.3	11748.7	11589.4
62.5°	13005.1	13159.9	13233.8	13790.4	14926.7	15938.3	14942.8	13831.9	13106.7	12935.8
65°	14319.3	14446.3	14529.4	15123.0	16208.5	17222.4	16282.4	15187.7	14441.7	14217.6
67.5°	14931.3	15000.6	15203.8	15875.9	17021.4	18178.5	17215.5	15947.5	15113.8	14721.1
70°	14035.2	13894.3	14383.9	15460.2	17118.4	18765.2	17340.2	15427.9	14407.0	13769.6
72.5°	10845.7	10603.2	11453.1	13293.8	16009.9	18391.0	16120.7	13397.7	11982.0	10688.6
75°	5900.9	5626.1	6799.3	9127.4	12767.2	15940.6	13060.6	9388.4	7570.7	5857.0
77.5°	1665.2	1561.3	2508.2	4415.9	7679.3	11192.1	7974.9	4512.9	2974.7	1764.5
80°	510.4	494.2	669.8	1330.3	3261.1	5360.5	3134.1	1346.5	852.2	538.1
82.5°	302.6	277.1	332.6	485.0	831.4	1683.7	808.3	505.8	406.5	272.5
85°	173.2	161.7	196.3	235.6	279.5	358.0	233.3	240.2	217.1	145.5
87.5°	71.6	64.7	76.2	73.9	64.7	83.1	62.4	73.9	87.8	57.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4053.3
4039.4
3988.6
3933.2
3907.8
3907.8
3923.9
3954.0
3984.0
3997.8
4011.7
4046.3
4124.9
4247.3
4443.6
4716.1
5055.6
5487.5
5997.9
6579.9
7279.7
8127.3
9141.2
10291.4
11450.8
12797.3
14106.8
14725.7
13922.0
11009.7
6238.1
1960.8
568.2
295.6
152.4
53.1
0.0

OF REPORT)