

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: P845811

Luminaire Tested: **GLAN-SB1A-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845811
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-SB1A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2923 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

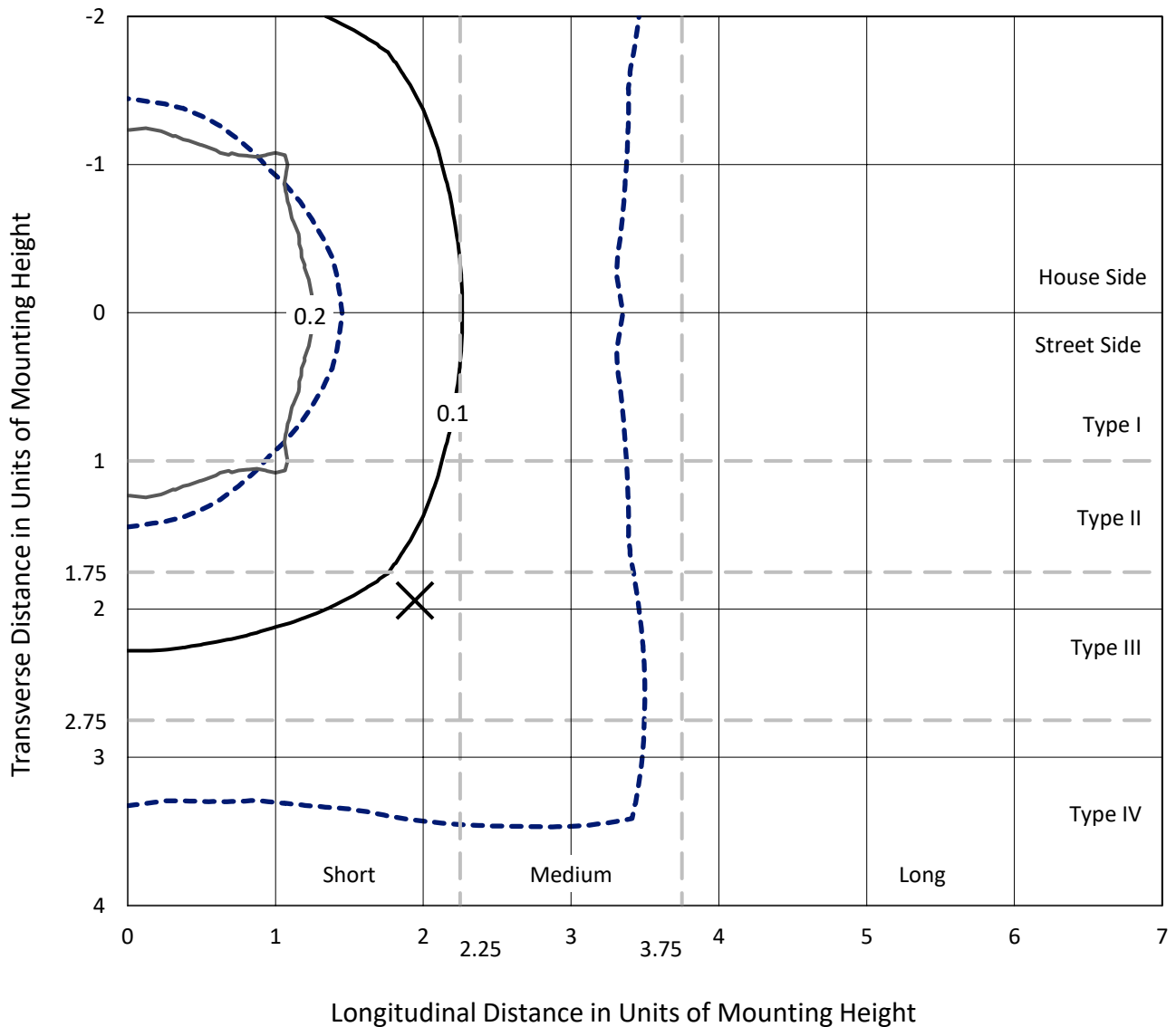
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

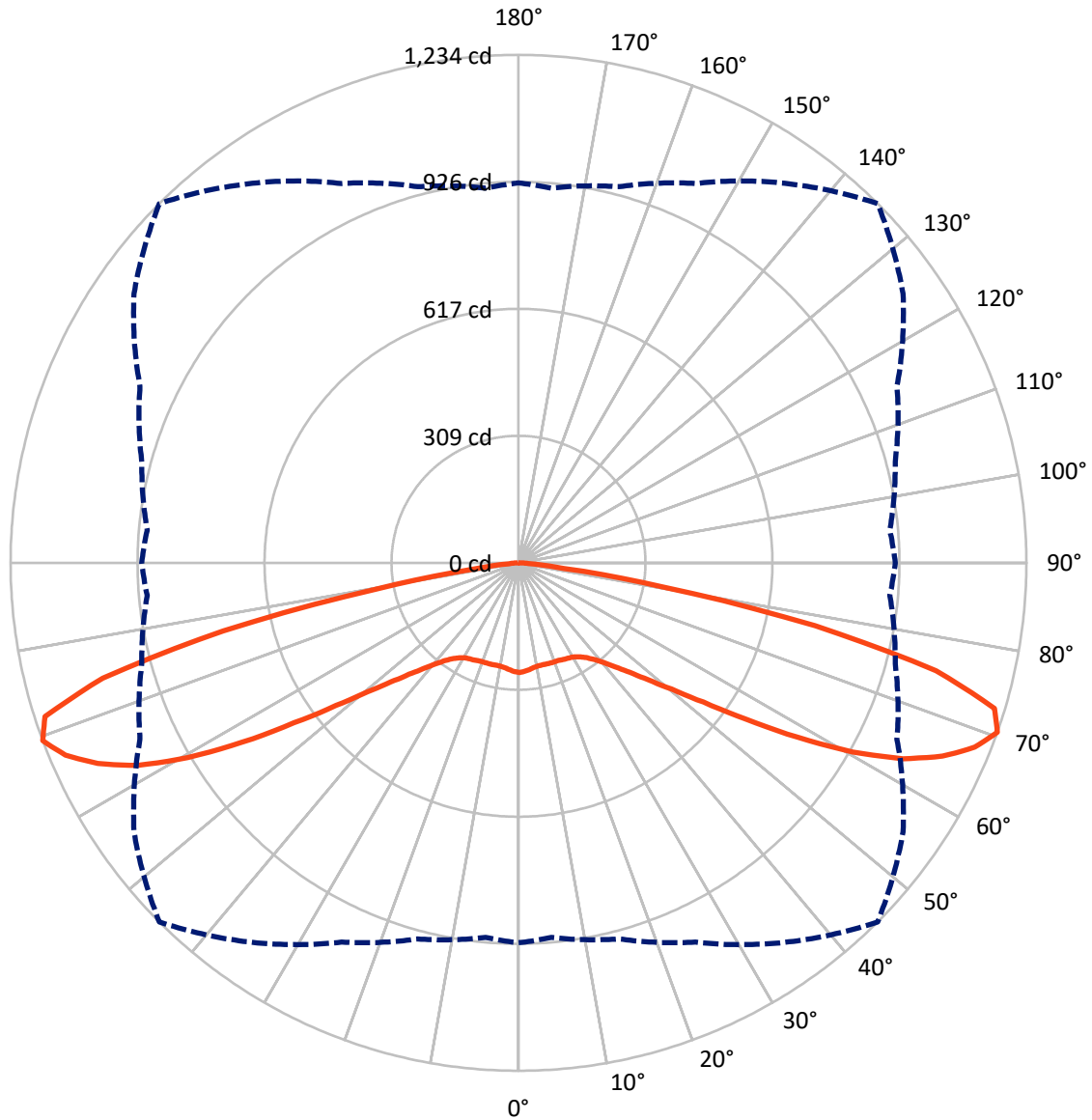
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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	1461.5	0.0	1461.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1461.5	0.0	1461.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2923.0	0.0	2923.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.8
10°-20°	72.8	2.5
20°-30°	121.2	4.1
30°-40°	183.3	6.3
40°-50°	304.6	10.4
50°-60°	574.7	19.7
60°-70°	970.5	33.2
70°-80°	637.7	21.8
80°-90°	33.4	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°	2923.0	100.0
0°-180°	2923.0	100.0

Coefficient of Utilization



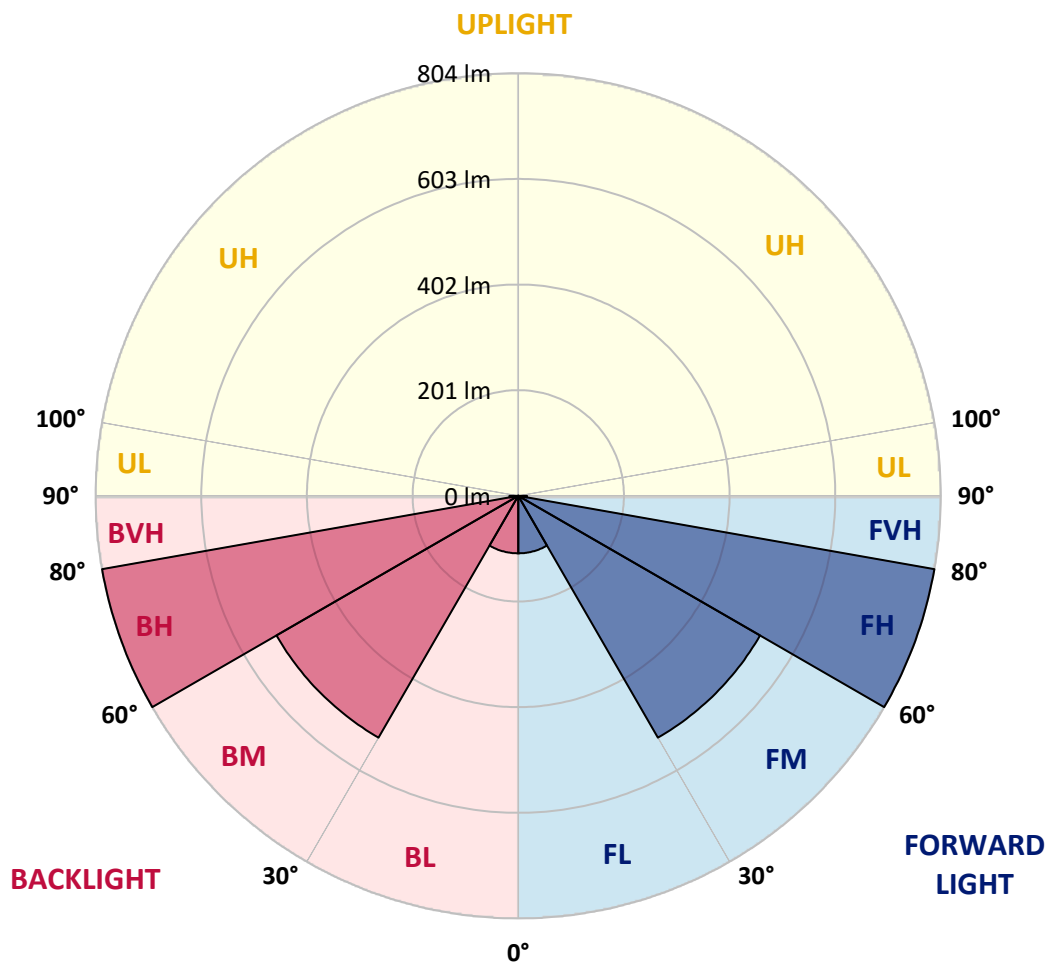
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.4	3.7			
FM (30°-60°)	531.3	18.2			
FH (60°-80°)	804.1	27.5			G1/1800
FVH (80°-90°)	16.7	0.6			G1/100
BL (0°-30°)	109.4	3.7	B0/110		
BM (30°-60°)	531.3	18.2	B1/1000		
BH (60°-80°)	804.1	27.5	B2/1000		G1/1800
BVH (80°-90°)	16.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6
2.5°	265.0	265.7	265.4	264.8	264.8	264.4	264.8	265.1	265.6	265.9
5°	261.5	262.1	261.9	261.5	261.6	261.2	261.5	261.9	262.2	262.4
7.5°	258.4	259.0	258.7	258.0	258.0	257.5	257.7	258.1	258.6	258.7
10°	257.7	258.3	257.4	256.2	255.7	255.1	255.2	255.7	256.6	257.1
12.5°	258.0	258.4	257.5	255.7	255.2	254.6	254.6	255.1	256.3	256.9
15°	258.9	259.3	258.0	256.0	255.5	255.1	254.9	255.5	256.9	258.0
17.5°	260.6	261.0	258.9	256.2	255.5	255.7	255.5	256.0	258.1	260.1
20°	262.1	262.4	259.5	256.2	255.5	255.7	255.5	256.5	259.2	261.9
22.5°	262.5	262.8	260.1	257.2	256.8	256.9	256.8	257.7	260.3	263.0
25°	262.7	263.1	261.0	258.7	259.5	259.8	259.5	259.6	261.6	264.1
27.5°	265.0	265.6	263.6	261.6	262.1	261.9	262.4	262.8	264.4	266.8
30°	269.7	270.1	268.5	266.5	266.2	265.1	266.5	268.0	269.7	271.8
32.5°	277.4	278.3	276.2	274.1	272.7	272.1	273.2	275.8	278.0	280.3
35°	290.3	290.9	289.0	285.0	282.6	282.6	283.5	286.8	290.5	293.4
37.5°	308.6	309.3	305.8	301.1	297.5	297.5	298.7	302.2	307.7	311.8
40°	330.8	331.8	327.4	322.5	319.1	318.4	320.0	323.9	329.1	334.2
42.5°	357.5	358.7	352.9	348.7	345.9	345.9	346.7	350.3	355.1	361.4
45°	391.7	393.8	385.9	381.6	379.1	379.7	380.1	383.3	387.6	394.9
47.5°	432.4	434.5	426.2	421.8	421.3	424.2	422.4	424.6	426.9	435.3
50°	478.6	482.2	476.5	476.1	477.1	482.4	478.1	479.3	476.8	482.1
52.5°	535.1	540.4	539.4	541.2	551.4	562.3	552.6	548.3	538.6	540.3
55°	603.6	611.7	613.2	624.1	647.2	669.6	648.9	631.7	611.1	607.3
57.5°	681.6	687.9	695.2	717.6	760.7	800.4	760.7	722.7	690.2	682.5
60°	765.4	773.3	780.3	813.3	877.4	933.2	876.2	815.9	772.9	762.4
62.5°	855.5	865.7	870.6	907.2	981.9	1048.5	983.0	909.9	862.2	851.0
65°	942.0	950.3	955.8	994.8	1066.2	1132.9	1071.1	999.1	950.0	935.3
67.5°	982.2	986.8	1000.2	1044.4	1119.7	1195.8	1132.5	1049.1	994.2	968.4
70°	923.3	914.0	946.2	1017.0	1126.1	1234.4	1140.7	1014.9	947.7	905.8
72.5°	713.5	697.5	753.4	874.5	1053.2	1209.8	1060.5	881.3	788.2	703.1
75°	388.2	370.1	447.3	600.4	839.9	1048.6	859.2	617.6	498.0	385.3
77.5°	109.5	102.7	165.0	290.5	505.2	736.3	524.6	296.9	195.7	116.1
80°	33.6	32.5	44.1	87.5	214.5	352.6	206.2	88.6	56.1	35.4
82.5°	19.9	18.2	21.9	31.9	54.7	110.8	53.2	33.3	26.7	17.9
85°	11.4	10.6	12.9	15.5	18.4	23.5	15.3	15.8	14.3	9.6
87.5°	4.7	4.3	5.0	4.9	4.3	5.5	4.1	4.9	5.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
266.6
265.7
262.4
258.7
257.1
257.1
258.1
260.1
262.1
263.0
263.9
266.2
271.3
279.4
292.3
310.2
332.6
361.0
394.6
432.8
478.9
534.6
601.3
677.0
753.3
841.8
928.0
968.7
915.8
724.2
410.4
129.0
37.4
19.4
10.0
3.5
0.0

OF REPORT)