

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: P845981

Luminaire Tested: **GLAN-SB1B-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845981
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-SB1B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3669 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

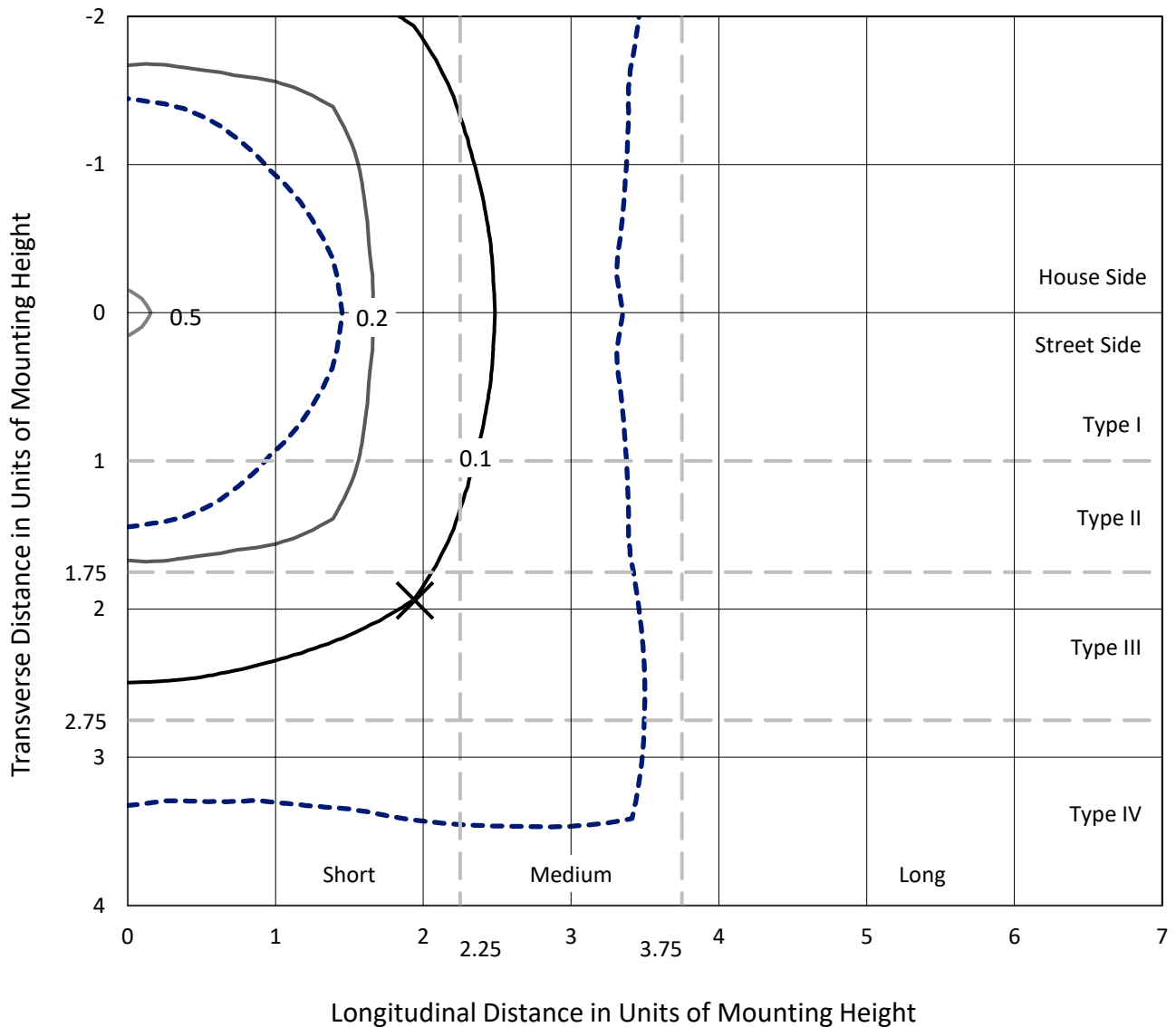
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

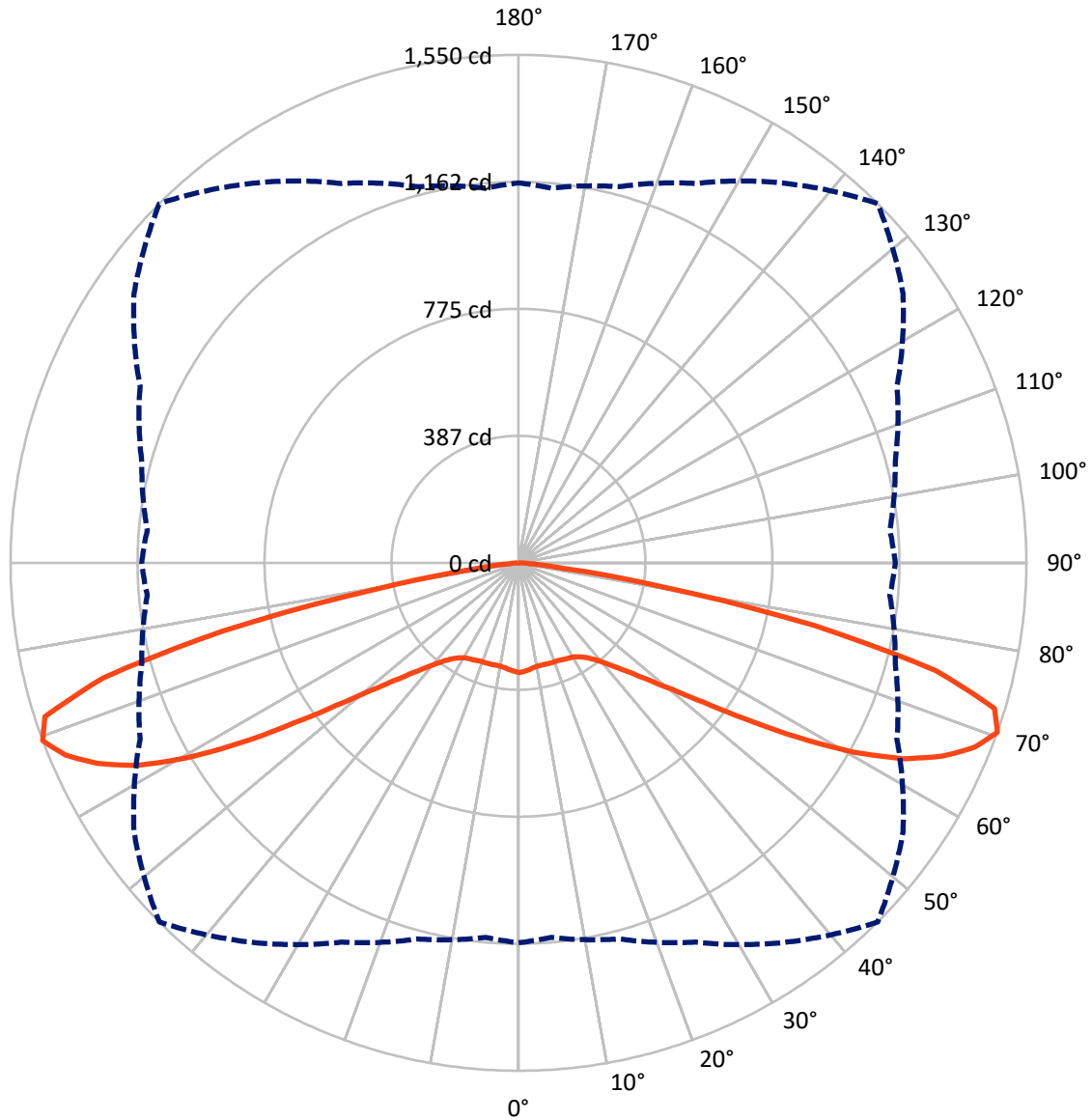
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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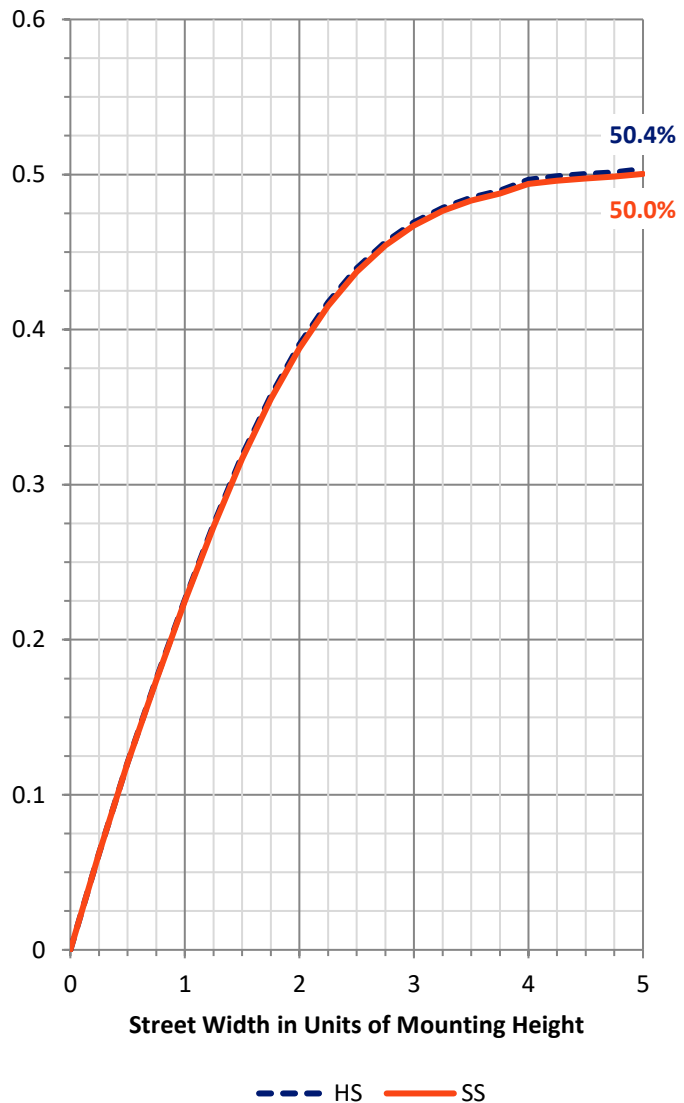
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1834.5	0.0	1834.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1834.5	0.0	1834.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3669.0	0.0	3669.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	0.8
10°-20°	91.4	2.5
20°-30°	152.1	4.1
30°-40°	230.1	6.3
40°-50°	382.3	10.4
50°-60°	721.4	19.7
60°-70°	1218.1	33.2
70°-80°	800.4	21.8
80°-90°	41.9	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°	3669.0	100.0
0°-180°	3669.0	100.0

Coefficient of Utilization



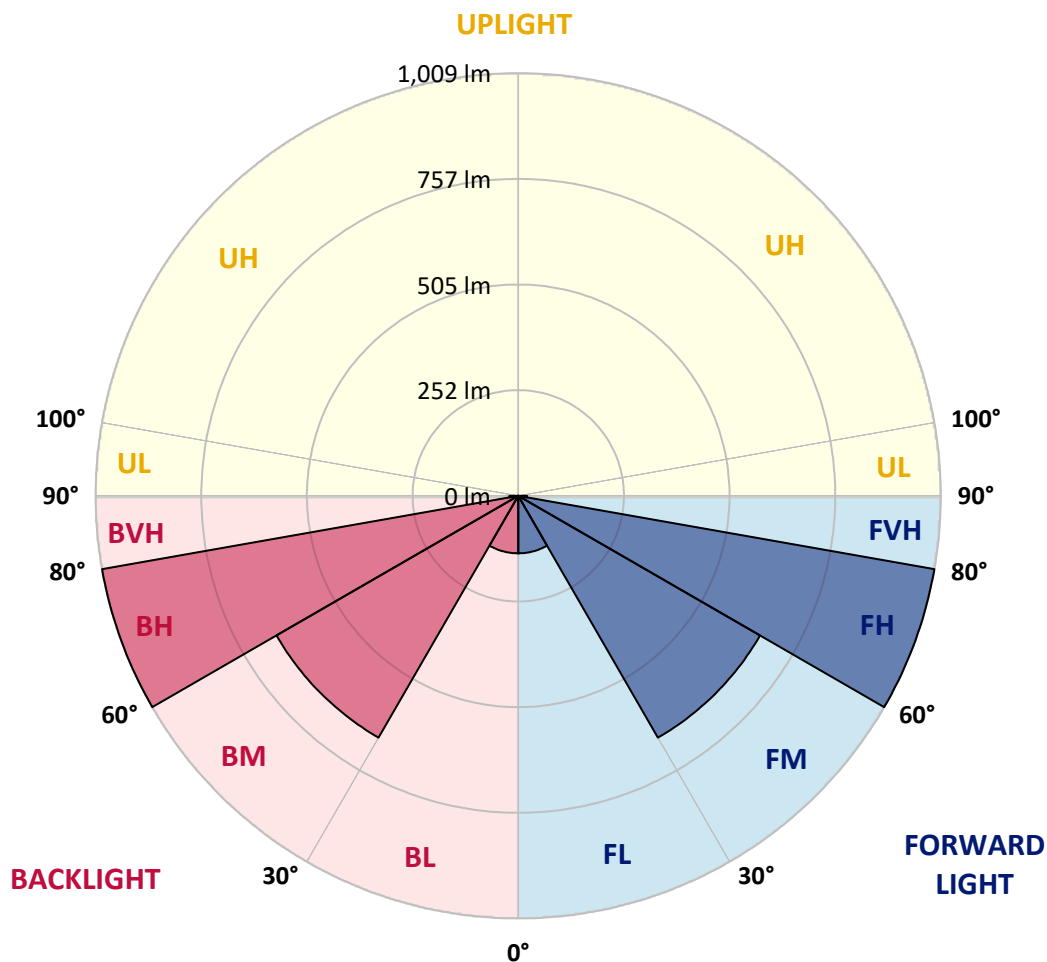
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.3	3.7			
FM (30°-60°)	666.9	18.2			
FH (60°-80°)	1009.3	27.5			G1/1800
FVH (80°-90°)	21.0	0.6			G1/100
BL (0°-30°)	137.3	3.7	B1/500		
BM (30°-60°)	666.9	18.2	B1/1000		
BH (60°-80°)	1009.3	27.5	B3/2500		G1/1800
BVH (80°-90°)	21.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7
2.5°	332.6	333.5	333.2	332.4	332.4	331.8	332.4	332.8	333.4	333.7
5°	328.2	329.0	328.8	328.2	328.4	327.8	328.2	328.8	329.2	329.3
7.5°	324.4	325.2	324.8	323.8	323.8	323.2	323.4	324.0	324.6	324.8
10°	323.4	324.2	323.1	321.5	321.0	320.2	320.4	321.0	322.1	322.7
12.5°	323.8	324.4	323.2	321.0	320.4	319.6	319.6	320.2	321.7	322.5
15°	325.0	325.5	323.8	321.3	320.8	320.2	320.0	320.8	322.5	323.8
17.5°	327.1	327.6	325.0	321.5	320.8	321.0	320.8	321.3	324.0	326.5
20°	329.0	329.3	325.7	321.5	320.8	321.0	320.8	321.9	325.3	328.8
22.5°	329.5	329.9	326.5	322.9	322.3	322.5	322.3	323.4	326.7	330.1
25°	329.7	330.3	327.6	324.8	325.7	326.1	325.7	325.9	328.4	331.4
27.5°	332.6	333.4	330.9	328.4	329.0	328.8	329.3	329.9	331.8	334.9
30°	338.5	339.1	337.0	334.5	334.1	332.8	334.5	336.4	338.5	341.2
32.5°	348.2	349.4	346.7	344.0	342.3	341.6	342.9	346.1	349.0	351.9
35°	364.4	365.2	362.7	357.8	354.7	354.7	355.9	360.1	364.6	368.3
37.5°	387.3	388.3	383.9	378.0	373.4	373.4	374.9	379.3	386.2	391.3
40°	415.2	416.5	411.0	404.9	400.5	399.7	401.6	406.6	413.1	419.6
42.5°	448.7	450.3	443.0	437.7	434.2	434.2	435.2	439.8	445.7	453.7
45°	491.6	494.3	484.4	479.1	475.8	476.6	477.1	481.1	486.5	495.6
47.5°	542.7	545.4	534.9	529.4	528.8	532.4	530.2	533.0	535.9	546.4
50°	600.7	605.3	598.0	597.7	598.8	605.5	600.1	601.7	598.4	605.1
52.5°	671.7	678.3	677.0	679.3	692.1	705.8	693.6	688.3	676.0	678.1
55°	757.7	767.8	769.7	783.4	812.4	840.4	814.5	792.9	767.0	762.2
57.5°	855.5	863.5	872.7	900.7	954.9	1004.6	954.9	907.2	866.4	856.6
60°	960.8	970.7	979.5	1020.8	1101.3	1171.3	1099.8	1024.1	970.1	957.0
62.5°	1073.9	1086.6	1092.7	1138.7	1232.5	1316.1	1233.9	1142.1	1082.2	1068.1
65°	1182.4	1192.9	1199.7	1248.7	1338.4	1422.1	1344.5	1254.1	1192.5	1174.0
67.5°	1232.9	1238.6	1255.4	1310.9	1405.5	1501.0	1421.5	1316.8	1248.0	1215.6
70°	1158.9	1147.3	1187.7	1276.6	1413.5	1549.5	1431.8	1273.9	1189.6	1137.0
72.5°	895.5	875.5	945.7	1097.7	1322.0	1518.6	1331.1	1106.3	989.4	882.6
75°	487.3	464.6	561.4	753.7	1054.2	1316.2	1078.4	775.2	625.1	483.6
77.5°	137.5	128.9	207.1	364.6	634.1	924.2	658.5	372.6	245.6	145.7
80°	42.1	40.8	55.3	109.8	269.3	442.6	258.8	111.2	70.4	44.4
82.5°	25.0	22.9	27.5	40.0	68.7	139.0	66.7	41.8	33.6	22.5
85°	14.3	13.3	16.2	19.5	23.1	29.6	19.3	19.8	17.9	12.0
87.5°	5.9	5.3	6.3	6.1	5.3	6.9	5.1	6.1	7.2	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
334.7
333.5
329.3
324.8
322.7
322.7
324.0
326.5
329.0
330.1
331.3
334.1
340.6
350.7
366.9
389.4
417.5
453.1
495.3
543.3
601.1
671.1
754.8
849.8
945.5
1056.7
1164.8
1215.9
1149.6
909.1
515.1
161.9
46.9
24.4
12.6
4.4
0.0

OF REPORT)