

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: P846151

Luminaire Tested: **GLAN-SB1C-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846151
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-SB1C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4880 lumens
Efficiency: N/A
Efficacy: 89.7 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

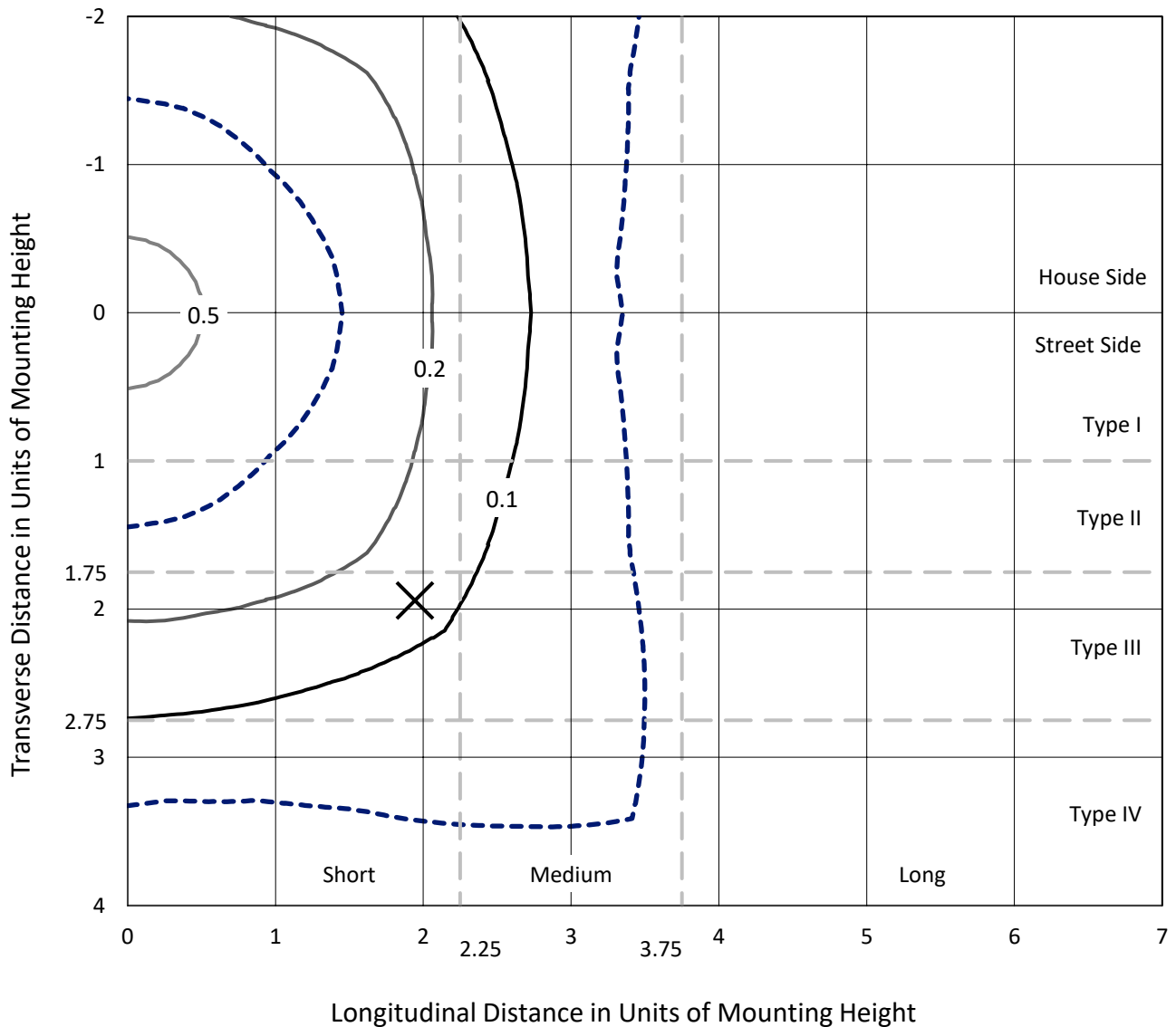
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

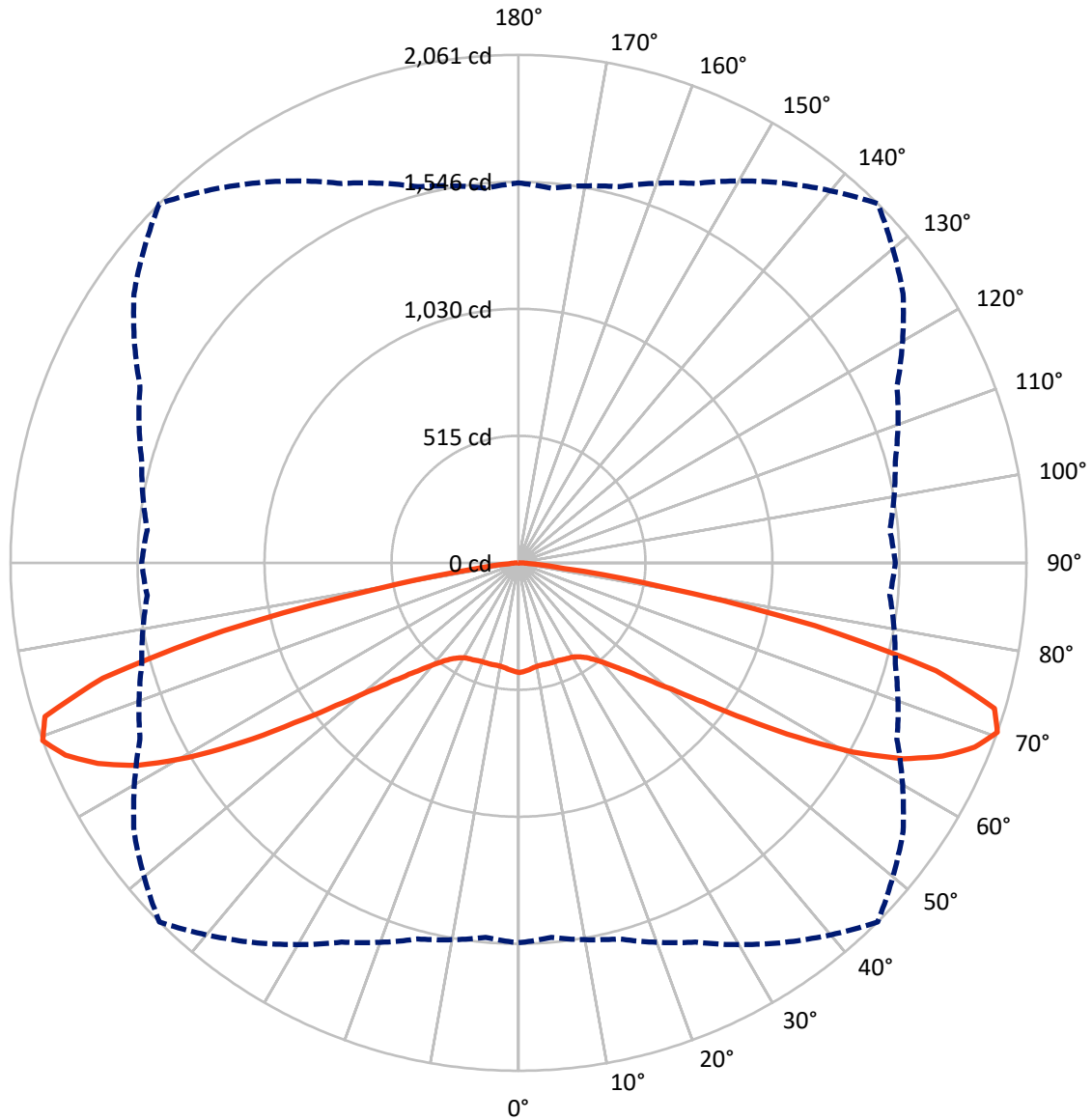
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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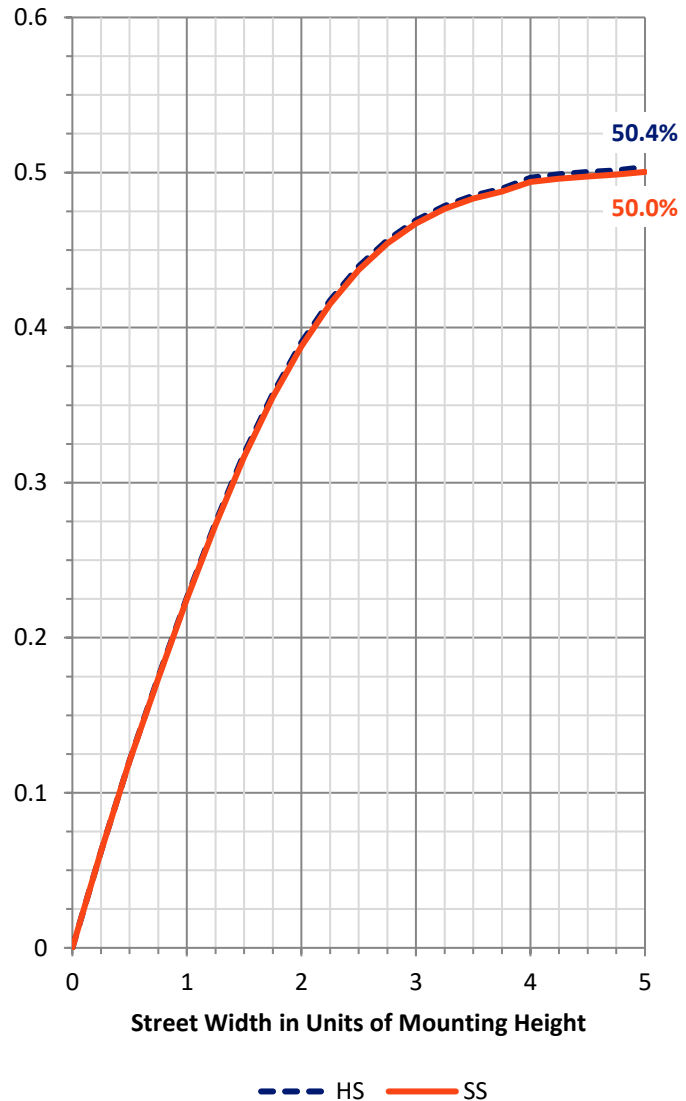
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2440.0	0.0	2440.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2440.0	0.0	2440.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4880.0	0.0	4880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	0.8
10°-20°	121.6	2.5
20°-30°	202.3	4.1
30°-40°	306.0	6.3
40°-50°	508.5	10.4
50°-60°	959.5	19.7
60°-70°	1620.2	33.2
70°-80°	1064.6	21.8
80°-90°	55.8	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°	4880.0	100.0
0°-180°	4880.0	100.0

Coefficient of Utilization



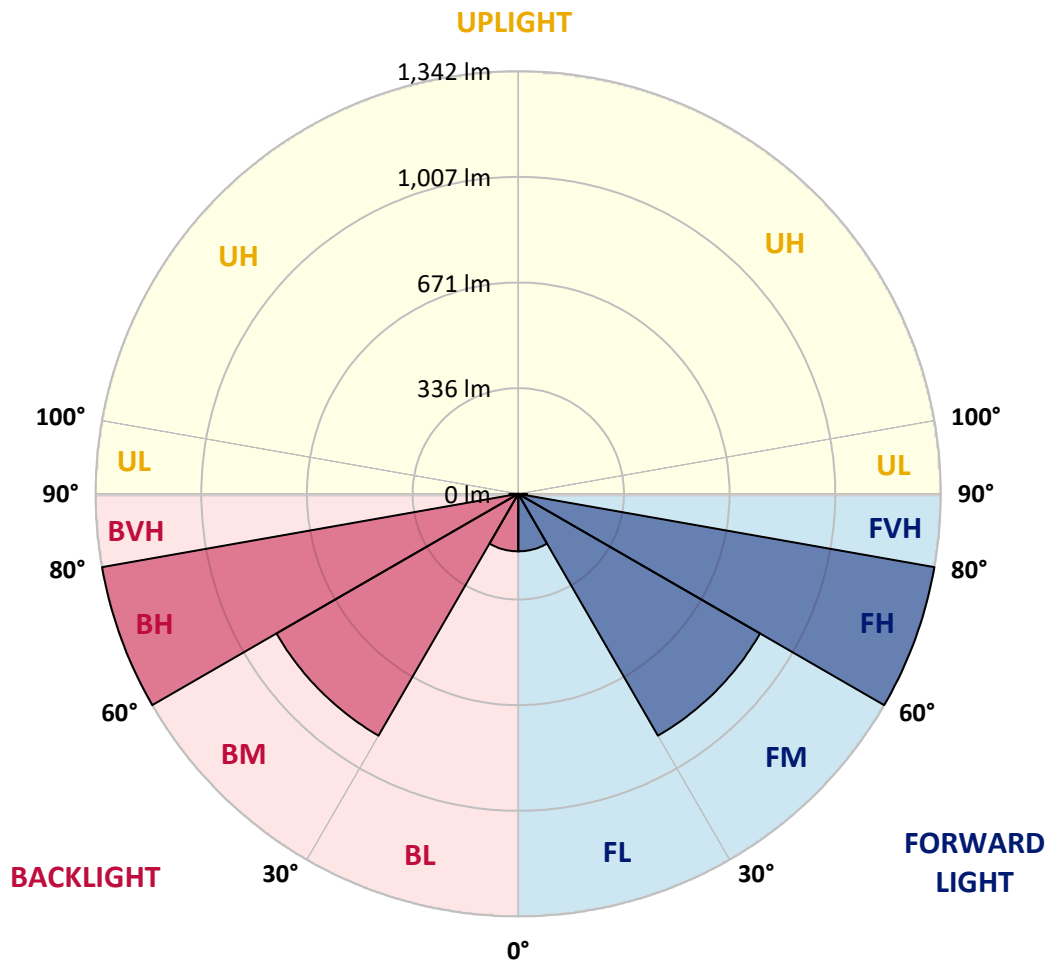
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.7	3.7			
FM (30°-60°)	887.0	18.2			
FH (60°-80°)	1342.4	27.5			G1/1800
FVH (80°-90°)	27.9	0.6			G1/100
BL (0°-30°)	182.7	3.7	B1/500		
BM (30°-60°)	887.0	18.2	B1/1000		
BH (60°-80°)	1342.4	27.5	B3/2500		G1/1800
BVH (80°-90°)	27.9	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°	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2
2.5°	442.4	443.6	443.1	442.1	442.1	441.3	442.1	442.6	443.4	443.9
5°	436.5	437.5	437.3	436.5	436.8	436.0	436.5	437.3	437.8	438.1
7.5°	431.5	432.5	432.0	430.7	430.7	429.9	430.2	430.9	431.7	432.0
10°	430.2	431.2	429.7	427.7	426.9	425.9	426.1	426.9	428.4	429.2
12.5°	430.7	431.5	429.9	426.9	426.1	425.1	425.1	425.9	427.9	428.9
15°	432.2	433.0	430.7	427.4	426.6	425.9	425.6	426.6	428.9	430.7
17.5°	435.0	435.8	432.2	427.7	426.6	426.9	426.6	427.4	430.9	434.2
20°	437.5	438.1	433.2	427.7	426.6	426.9	426.6	428.2	432.7	437.3
22.5°	438.3	438.8	434.2	429.4	428.7	428.9	428.7	430.2	434.5	439.1
25°	438.6	439.3	435.8	432.0	433.2	433.7	433.2	433.5	436.8	440.8
27.5°	442.4	443.4	440.1	436.8	437.5	437.3	438.1	438.8	441.3	445.4
30°	450.2	451.0	448.2	444.9	444.4	442.6	444.9	447.4	450.2	453.8
32.5°	463.2	464.7	461.1	457.6	455.3	454.3	456.1	460.4	464.2	468.0
35°	484.7	485.7	482.4	475.8	471.8	471.8	473.3	478.9	485.0	489.8
37.5°	515.2	516.4	510.6	502.7	496.6	496.6	498.7	504.5	513.6	520.5
40°	552.2	554.0	546.6	538.5	532.7	531.6	534.2	540.8	549.4	558.0
42.5°	596.8	598.9	589.2	582.1	577.6	577.6	578.8	584.9	592.8	603.4
45°	653.9	657.5	644.3	637.2	632.9	633.9	634.6	640.0	647.1	659.2
47.5°	721.9	725.4	711.5	704.1	703.4	708.2	705.1	708.9	712.8	726.7
50°	799.0	805.1	795.4	794.9	796.5	805.3	798.2	800.3	796.0	804.8
52.5°	893.4	902.2	900.5	903.5	920.5	938.8	922.5	915.4	899.2	902.0
55°	1007.7	1021.2	1023.7	1042.0	1080.5	1117.8	1083.3	1054.7	1020.2	1013.8
57.5°	1137.9	1148.5	1160.7	1198.0	1270.0	1336.2	1270.0	1206.6	1152.3	1139.4
60°	1277.9	1291.1	1302.7	1357.8	1464.8	1557.9	1462.8	1362.1	1290.3	1272.8
62.5°	1428.3	1445.3	1453.4	1514.5	1639.3	1750.4	1641.1	1519.1	1439.5	1420.7
65°	1572.6	1586.6	1595.7	1660.9	1780.1	1891.5	1788.2	1668.0	1586.1	1561.5
67.5°	1639.8	1647.5	1669.8	1743.6	1869.4	1996.5	1890.7	1751.4	1659.9	1616.8
70°	1541.4	1526.0	1579.7	1697.9	1880.0	2060.9	1904.4	1694.4	1582.3	1512.3
72.5°	1191.1	1164.5	1257.8	1460.0	1758.3	2019.8	1770.5	1471.4	1315.9	1173.9
75°	648.1	617.9	746.7	1002.4	1402.2	1750.7	1434.4	1031.1	831.5	643.3
77.5°	182.9	171.5	275.5	485.0	843.4	1229.2	875.9	495.6	326.7	193.8
80°	56.1	54.3	73.6	146.1	358.2	588.7	344.2	147.9	93.6	59.1
82.5°	33.2	30.4	36.5	53.3	91.3	184.9	88.8	55.5	44.6	29.9
85°	19.0	17.8	21.6	25.9	30.7	39.3	25.6	26.4	23.8	16.0
87.5°	7.9	7.1	8.4	8.1	7.1	9.1	6.8	8.1	9.6	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
445.2
443.6
438.1
432.0
429.2
429.2
430.9
434.2
437.5
439.1
440.6
444.4
453.0
466.5
488.0
518.0
555.2
602.7
658.7
722.6
799.5
892.6
1003.9
1130.3
1257.6
1405.5
1549.3
1617.3
1529.0
1209.1
685.1
215.3
62.4
32.5
16.7
5.8
0.0

OF REPORT)