

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: P845971

Luminaire Tested: **GLAN-SB1B-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845971
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-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4892 lumens
Efficiency: N/A
Efficacy: 122.9 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

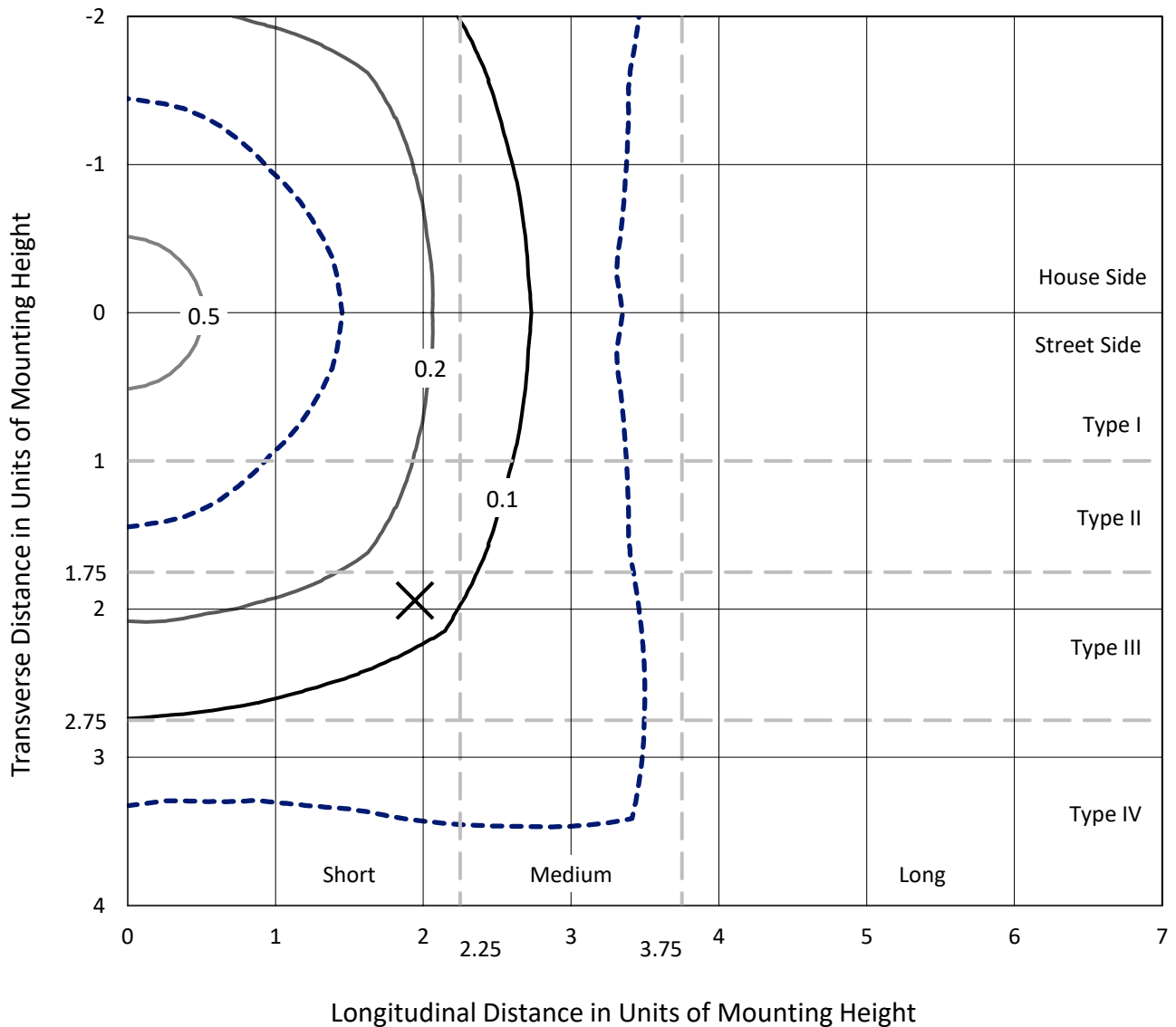
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

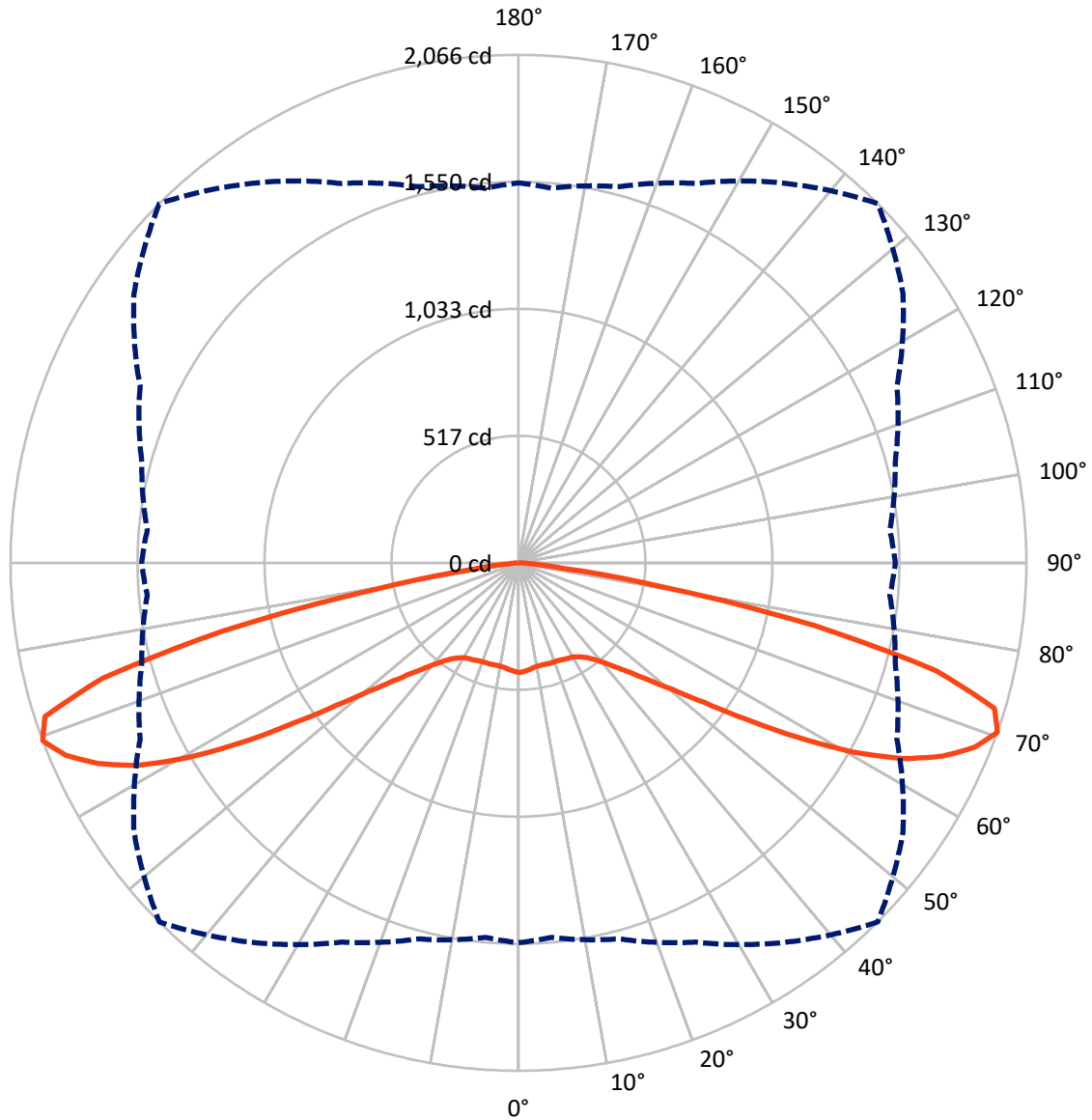
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	2446.0	0.0	2446.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2446.0	0.0	2446.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4892.0	0.0	4892.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	0.8
10°-20°	121.9	2.5
20°-30°	202.8	4.1
30°-40°	306.8	6.3
40°-50°	509.8	10.4
50°-60°	961.9	19.7
60°-70°	1624.2	33.2
70°-80°	1067.3	21.8
80°-90°	55.9	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°	4892.0	100.0
0°-180°	4892.0	100.0

Coefficient of Utilization



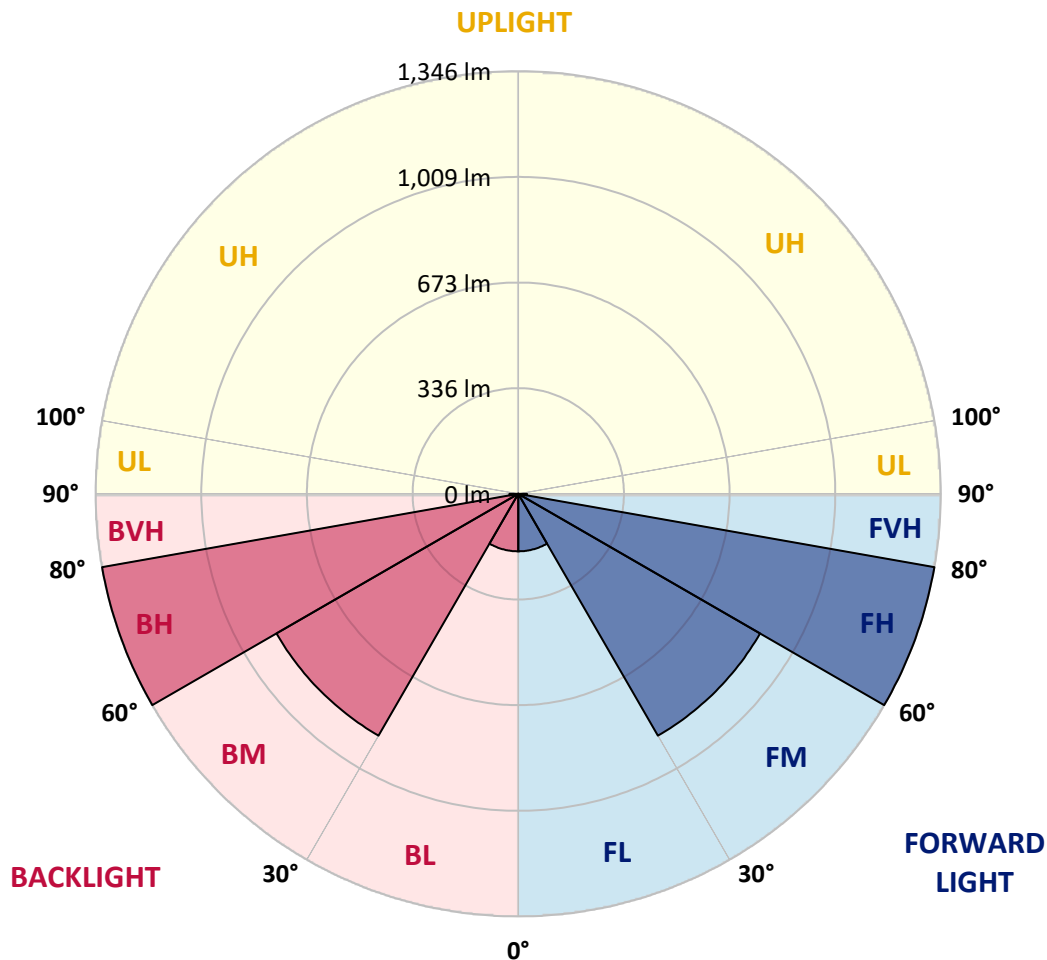
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.1	3.7			
FM (30°-60°)	889.2	18.2			
FH (60°-80°)	1345.7	27.5			G1/1800
FVH (80°-90°)	28.0	0.6			G1/100
BL (0°-30°)	183.1	3.7	B1/500		
BM (30°-60°)	889.2	18.2	B1/1000		
BH (60°-80°)	1345.7	27.5	B3/2500		G1/1800
BVH (80°-90°)	28.0	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°	446.2	446.2	446.2	446.2	446.2	446.2	446.2	446.2	446.2	446.2
2.5°	443.5	444.7	444.2	443.2	443.2	442.4	443.2	443.7	444.5	445.0
5°	437.6	438.6	438.4	437.6	437.9	437.1	437.6	438.4	438.9	439.1
7.5°	432.5	433.5	433.0	431.8	431.8	431.0	431.2	432.0	432.8	433.0
10°	431.2	432.3	430.7	428.7	427.9	426.9	427.2	427.9	429.5	430.2
12.5°	431.8	432.5	431.0	427.9	427.2	426.2	426.2	426.9	429.0	430.0
15°	433.3	434.0	431.8	428.4	427.7	426.9	426.7	427.7	430.0	431.8
17.5°	436.1	436.8	433.3	428.7	427.7	427.9	427.7	428.4	432.0	435.3
20°	438.6	439.1	434.3	428.7	427.7	427.9	427.7	429.2	433.8	438.4
22.5°	439.4	439.9	435.3	430.5	429.7	430.0	429.7	431.2	435.6	440.1
25°	439.6	440.4	436.8	433.0	434.3	434.8	434.3	434.6	437.9	441.9
27.5°	443.5	444.5	441.2	437.9	438.6	438.4	439.1	439.9	442.4	446.5
30°	451.3	452.1	449.3	446.0	445.5	443.7	446.0	448.5	451.3	454.9
32.5°	464.3	465.8	462.3	458.7	456.4	455.4	457.2	461.5	465.3	469.1
35°	485.9	486.9	483.6	477.0	472.9	472.9	474.5	480.1	486.2	491.0
37.5°	516.4	517.7	511.9	504.0	497.9	497.9	499.9	505.7	514.9	521.8
40°	553.6	555.3	548.0	539.8	534.0	533.0	535.5	542.1	550.8	559.4
42.5°	598.3	600.3	590.7	583.6	579.0	579.0	580.3	586.4	594.2	604.9
45°	655.5	659.1	645.9	638.7	634.4	635.4	636.2	641.5	648.7	660.9
47.5°	723.7	727.2	713.2	705.9	705.1	709.9	706.9	710.7	714.5	728.5
50°	801.0	807.1	797.4	796.9	798.4	807.3	800.2	802.2	797.9	806.8
52.5°	895.5	904.4	902.7	905.7	922.8	941.1	924.8	917.7	901.4	904.2
55°	1010.2	1023.7	1026.2	1044.6	1083.2	1120.6	1086.0	1057.3	1022.7	1016.3
57.5°	1140.7	1151.3	1163.6	1200.9	1273.1	1339.5	1273.1	1209.6	1155.2	1142.2
60°	1281.0	1294.2	1305.9	1361.1	1468.4	1561.7	1466.4	1365.4	1293.5	1275.9
62.5°	1431.8	1448.8	1457.0	1518.3	1643.4	1754.7	1645.1	1522.8	1443.0	1424.2
65°	1576.5	1590.5	1599.6	1665.0	1784.5	1896.1	1792.6	1672.1	1590.0	1565.3
67.5°	1643.9	1651.5	1673.9	1747.9	1874.0	2001.4	1895.4	1755.8	1664.0	1620.7
70°	1545.2	1529.7	1583.6	1702.1	1884.7	2066.0	1909.1	1698.5	1586.2	1516.0
72.5°	1194.1	1167.4	1260.9	1463.6	1762.6	2024.8	1774.8	1475.0	1319.2	1176.8
75°	649.7	619.4	748.6	1004.9	1405.6	1755.0	1437.9	1033.6	833.5	644.8
77.5°	183.3	171.9	276.1	486.2	845.5	1232.2	878.0	496.8	327.5	194.3
80°	56.2	54.4	73.7	146.5	359.0	590.2	345.0	148.2	93.8	59.2
82.5°	33.3	30.5	36.6	53.4	91.5	185.4	89.0	55.7	44.8	30.0
85°	19.1	17.8	21.6	25.9	30.8	39.4	25.7	26.4	23.9	16.0
87.5°	7.9	7.1	8.4	8.1	7.1	9.2	6.9	8.1	9.7	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
446.2
444.7
439.1
433.0
430.2
430.2
432.0
435.3
438.6
440.1
441.7
445.5
454.1
467.6
489.2
519.2
556.6
604.2
660.3
724.4
801.5
894.8
1006.4
1133.0
1260.7
1408.9
1553.1
1621.2
1532.8
1212.1
686.8
215.9
62.6
32.5
16.8
5.8
0.0

OF REPORT)