

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: P846141

Luminaire Tested: **GLAN-SB1C-850-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846141  
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-850-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6507 lumens  
Efficiency: N/A  
Efficacy: 119.6 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

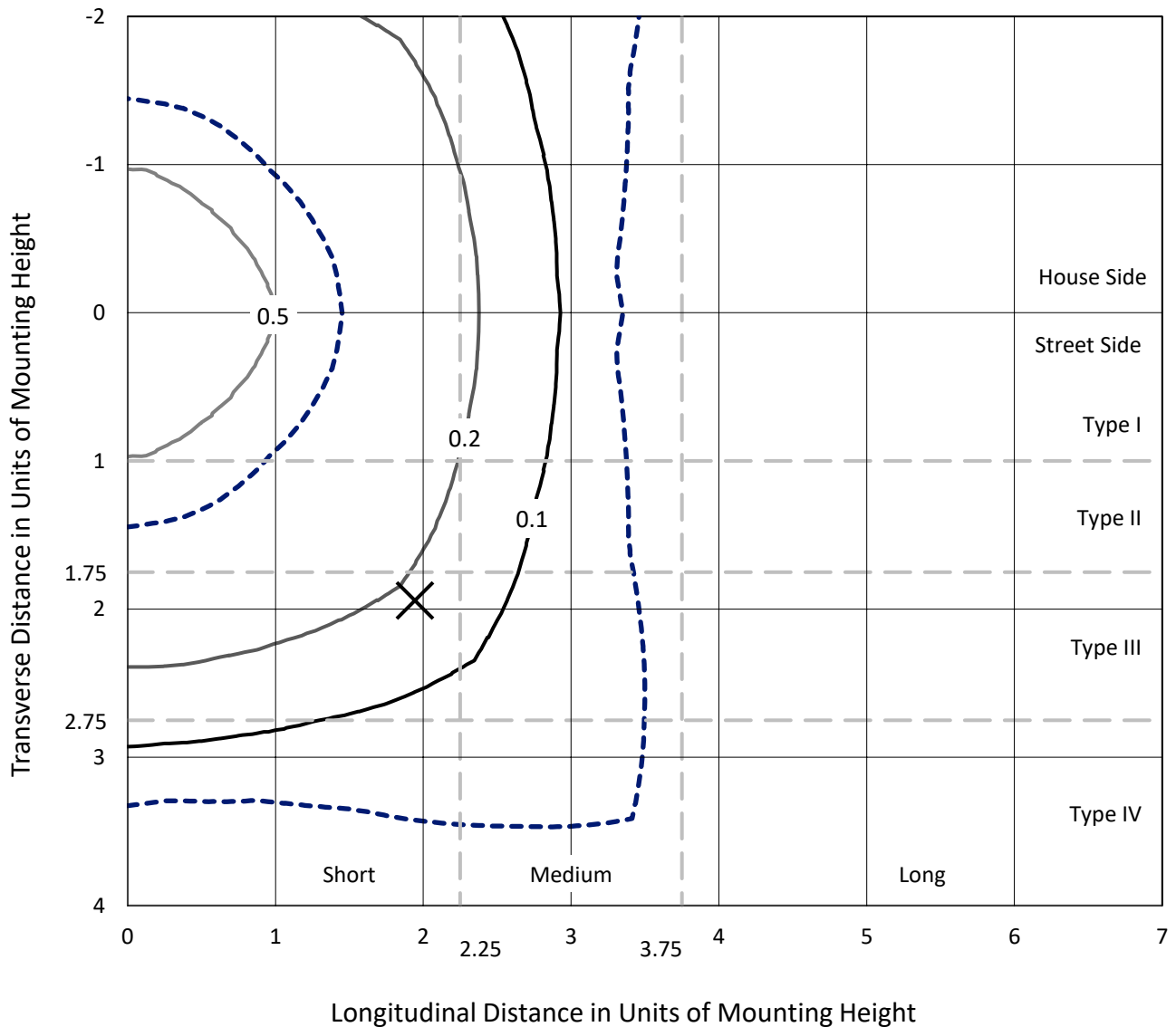
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

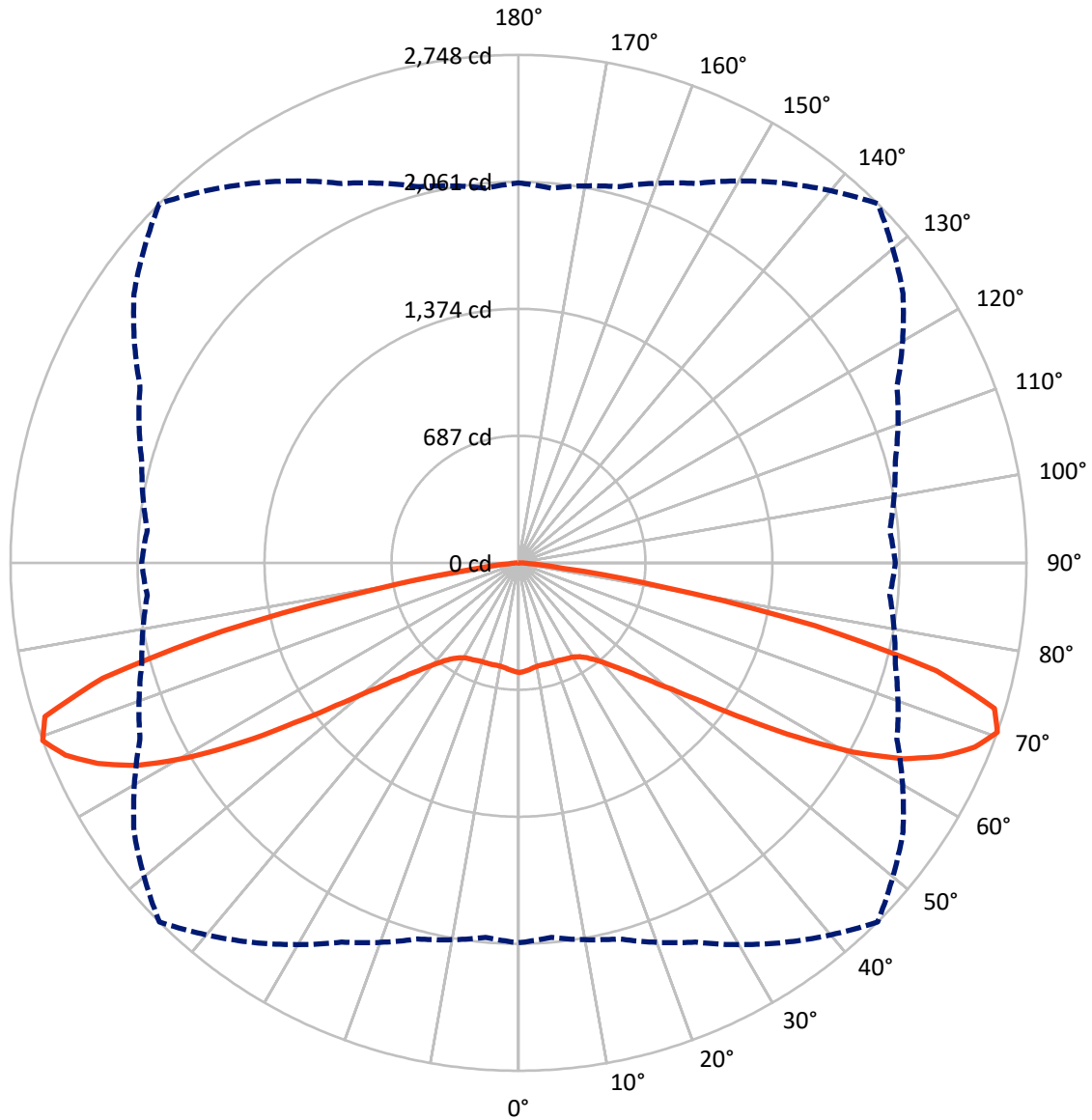
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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
<b>House Side</b>	Lumens	3253.5	0.0	3253.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3253.5	0.0	3253.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6507.0	0.0	6507.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.2	0.8
10°-20°	162.1	2.5
20°-30°	269.8	4.1
30°-40°	408.0	6.3
40°-50°	678.0	10.4
50°-60°	1279.4	19.7
60°-70°	2160.4	33.2
70°-80°	1419.6	21.8
80°-90°	74.4	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°	6507.0	100.0
0°-180°	6507.0	100.0

**Coefficient of Utilization**



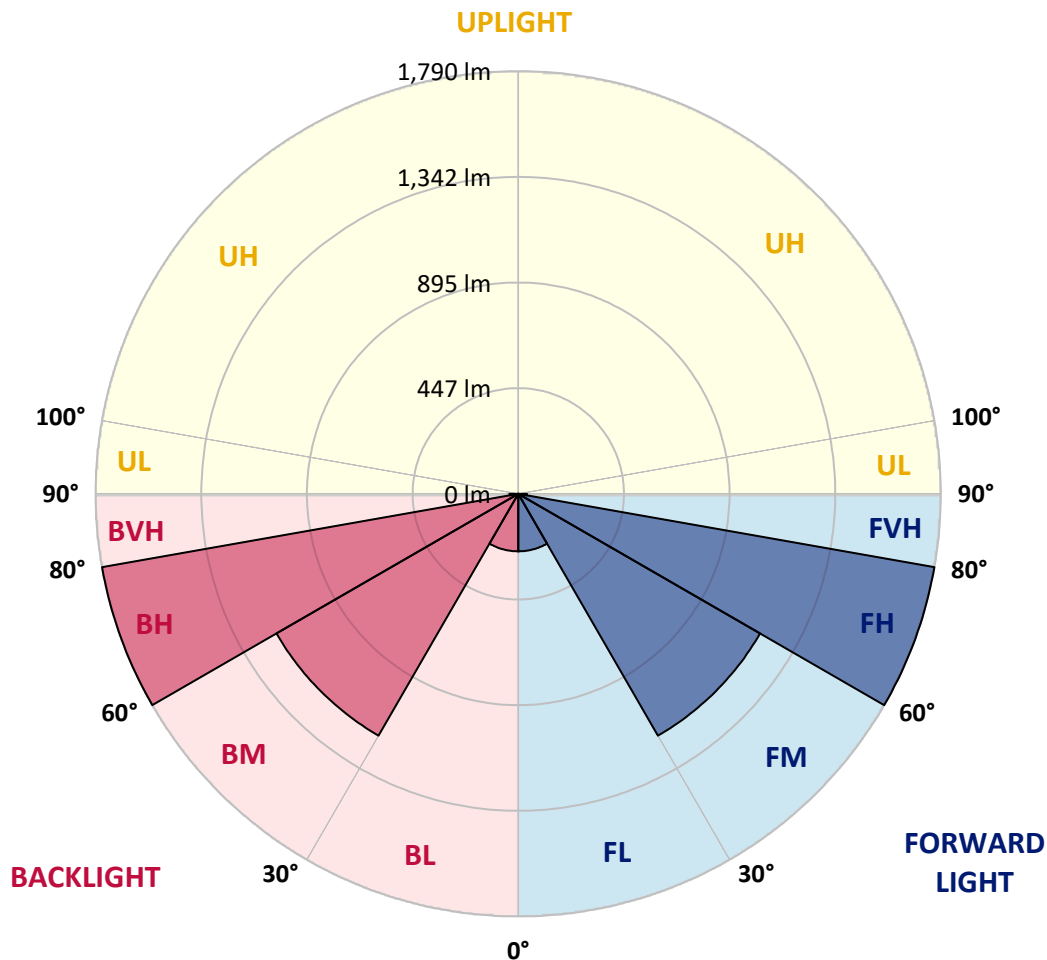
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.6	3.7			
FM (30°-60°)	1182.7	18.2			
FH (60°-80°)	1790.0	27.5			G1/1800
FVH (80°-90°)	37.2	0.6			G1/100
BL (0°-30°)	243.6	3.7	B1/500		
BM (30°-60°)	1182.7	18.2	B2/2500		
BH (60°-80°)	1790.0	27.5	B3/2500		G1/1800
BVH (80°-90°)	37.2	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°	593.6	593.6	593.6	593.6	593.6	593.6	593.6	593.6	593.6	593.6
2.5°	589.8	591.5	590.9	589.5	589.5	588.5	589.5	590.2	591.2	591.9
5°	582.1	583.4	583.1	582.1	582.4	581.4	582.1	583.1	583.8	584.1
7.5°	575.3	576.7	576.0	574.3	574.3	573.3	573.6	574.6	575.6	576.0
10°	573.6	575.0	572.9	570.2	569.2	567.9	568.2	569.2	571.2	572.3
12.5°	574.3	575.3	573.3	569.2	568.2	566.9	566.9	567.9	570.6	571.9
15°	576.3	577.3	574.3	569.9	568.9	567.9	567.5	568.9	571.9	574.3
17.5°	580.0	581.1	576.3	570.2	568.9	569.2	568.9	569.9	574.6	579.0
20°	583.4	584.1	577.7	570.2	568.9	569.2	568.9	570.9	577.0	583.1
22.5°	584.4	585.1	579.0	572.6	571.6	571.9	571.6	573.6	579.4	585.5
25°	584.8	585.8	581.1	576.0	577.7	578.3	577.7	578.0	582.4	587.8
27.5°	589.8	591.2	586.8	582.4	583.4	583.1	584.1	585.1	588.5	593.9
30°	600.3	601.3	597.6	593.2	592.6	590.2	593.2	596.6	600.3	605.1
32.5°	617.6	619.6	614.9	610.1	607.1	605.7	608.1	613.9	618.9	624.0
35°	646.3	647.7	643.3	634.5	629.1	629.1	631.1	638.6	646.7	653.1
37.5°	686.9	688.6	680.8	670.3	662.2	662.2	664.9	672.7	684.9	694.0
40°	736.3	738.7	728.9	718.0	710.3	708.9	712.3	721.1	732.6	744.1
42.5°	795.8	798.5	785.7	776.2	770.1	770.1	771.8	779.9	790.4	804.6
45°	871.9	876.7	859.1	849.6	843.8	845.2	846.2	853.3	862.8	879.0
47.5°	962.6	967.3	948.7	938.9	937.9	944.3	940.2	945.3	950.4	969.0
50°	1065.4	1073.5	1060.6	1060.0	1062.0	1073.8	1064.4	1067.1	1061.3	1073.2
52.5°	1191.2	1203.0	1200.7	1204.7	1227.4	1251.7	1230.1	1220.6	1199.0	1202.7
55°	1343.7	1361.7	1365.0	1389.4	1440.8	1490.5	1444.5	1406.3	1360.3	1351.9
57.5°	1517.2	1531.4	1547.7	1597.4	1693.4	1781.7	1693.4	1608.9	1536.5	1519.3
60°	1703.9	1721.5	1737.1	1810.5	1953.2	2077.3	1950.5	1816.2	1720.5	1697.2
62.5°	1904.5	1927.2	1938.0	2019.5	2185.9	2334.0	2188.3	2025.6	1919.4	1894.3
65°	2096.9	2115.5	2127.7	2214.6	2373.6	2522.1	2384.4	2224.1	2114.9	2082.1
67.5°	2186.6	2196.7	2226.5	2324.9	2492.7	2662.1	2521.1	2335.4	2213.3	2155.8
70°	2055.3	2034.7	2106.4	2264.0	2506.9	2748.0	2539.3	2259.3	2109.8	2016.4
72.5°	1588.3	1552.8	1677.2	1946.8	2344.5	2693.2	2360.7	1962.0	1754.7	1565.3
75°	864.1	823.9	995.7	1336.6	1869.7	2334.4	1912.6	1374.8	1108.7	857.7
77.5°	243.9	228.6	367.3	646.7	1124.6	1639.0	1167.9	660.9	435.6	258.4
80°	74.7	72.4	98.1	194.8	477.6	785.0	459.0	197.2	124.8	78.8
82.5°	44.3	40.6	48.7	71.0	121.8	246.6	118.4	74.1	59.5	39.9
85°	25.4	23.7	28.7	34.5	40.9	52.4	34.2	35.2	31.8	21.3
87.5°	10.5	9.5	11.2	10.8	9.5	12.2	9.1	10.8	12.9	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
593.6
591.5
584.1
576.0
572.3
572.3
574.6
579.0
583.4
585.5
587.5
592.6
604.1
622.0
650.7
690.6
740.4
803.6
878.3
963.6
1066.1
1190.2
1338.7
1507.1
1676.9
1874.1
2065.8
2156.5
2038.8
1612.3
913.5
287.1
83.2
43.3
22.3
7.8
0.0

OF REPORT)