

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: P846121

Luminaire Tested: **GLAN-SB1C-835-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846121  
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-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6274 lumens  
Efficiency: N/A  
Efficacy: 115.3 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

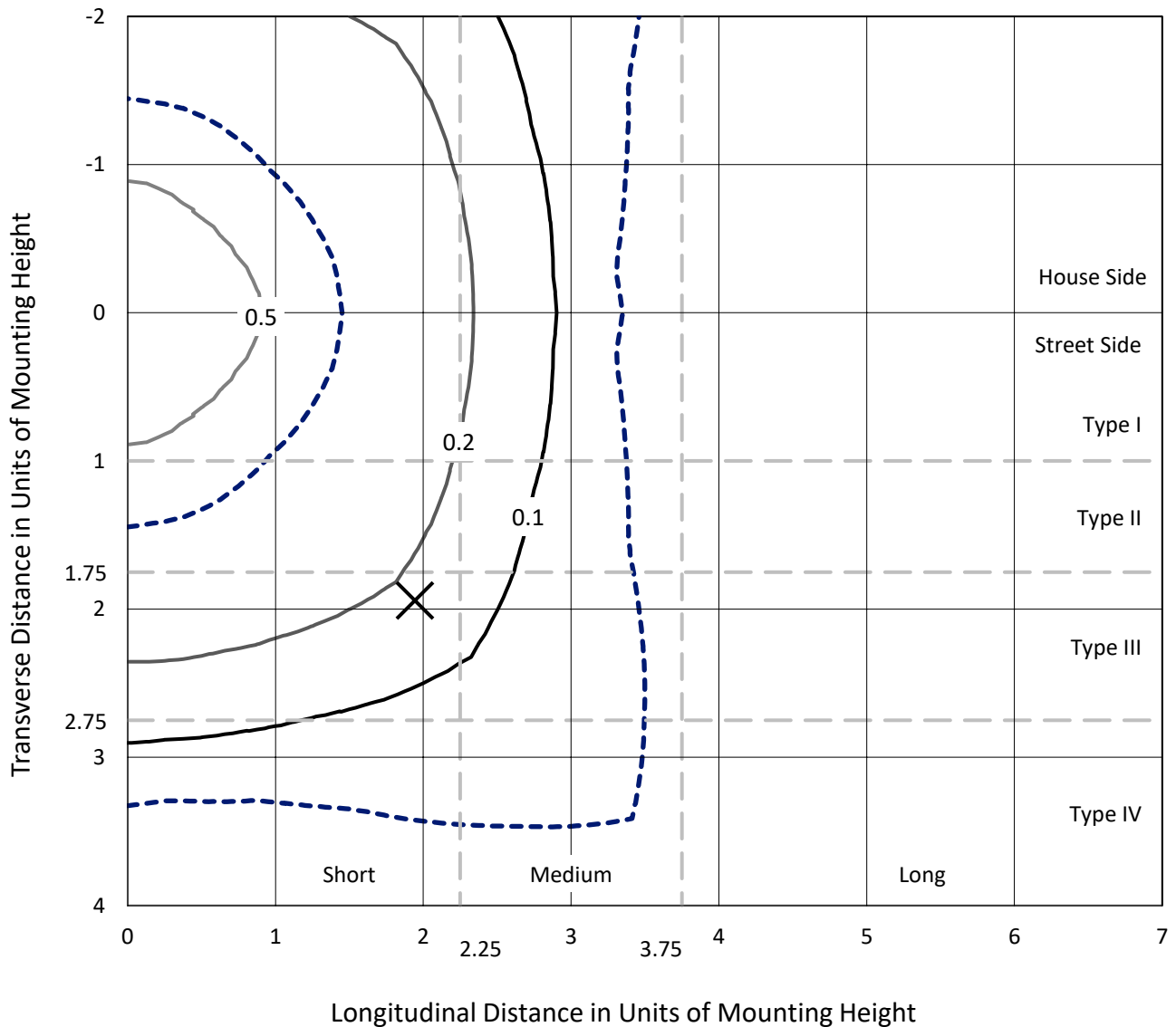
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

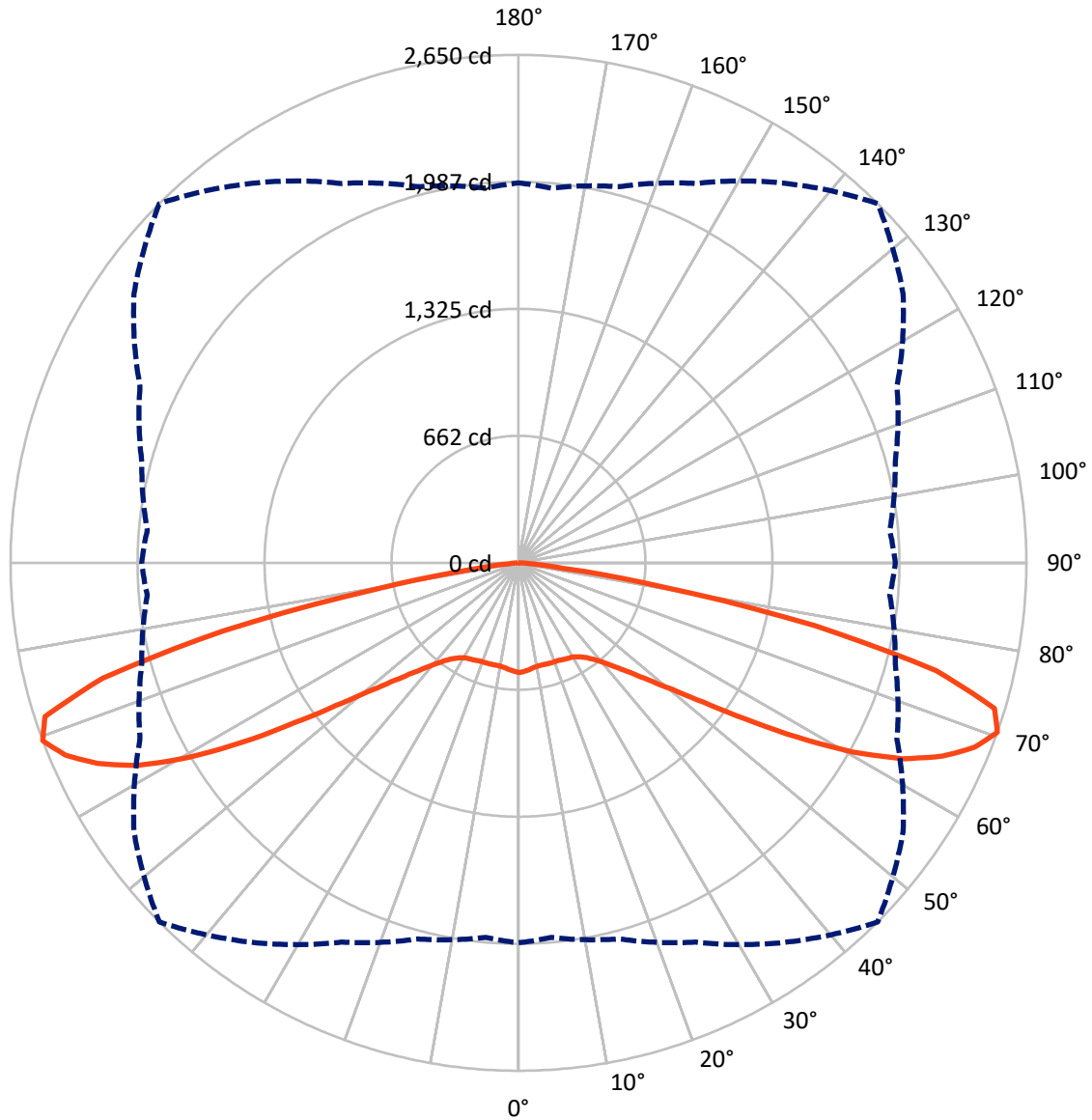
× Max cd  
 - - - 1/2 Max cd



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	3137.0	0.0	3137.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3137.0	0.0	3137.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6274.0	0.0	6274.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.2	0.8
10°-20°	156.3	2.5
20°-30°	260.1	4.1
30°-40°	393.4	6.3
40°-50°	653.8	10.4
50°-60°	1233.6	19.7
60°-70°	2083.0	33.2
70°-80°	1368.8	21.8
80°-90°	71.7	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°	6274.0	100.0
0°-180°	6274.0	100.0

**Coefficient of Utilization**



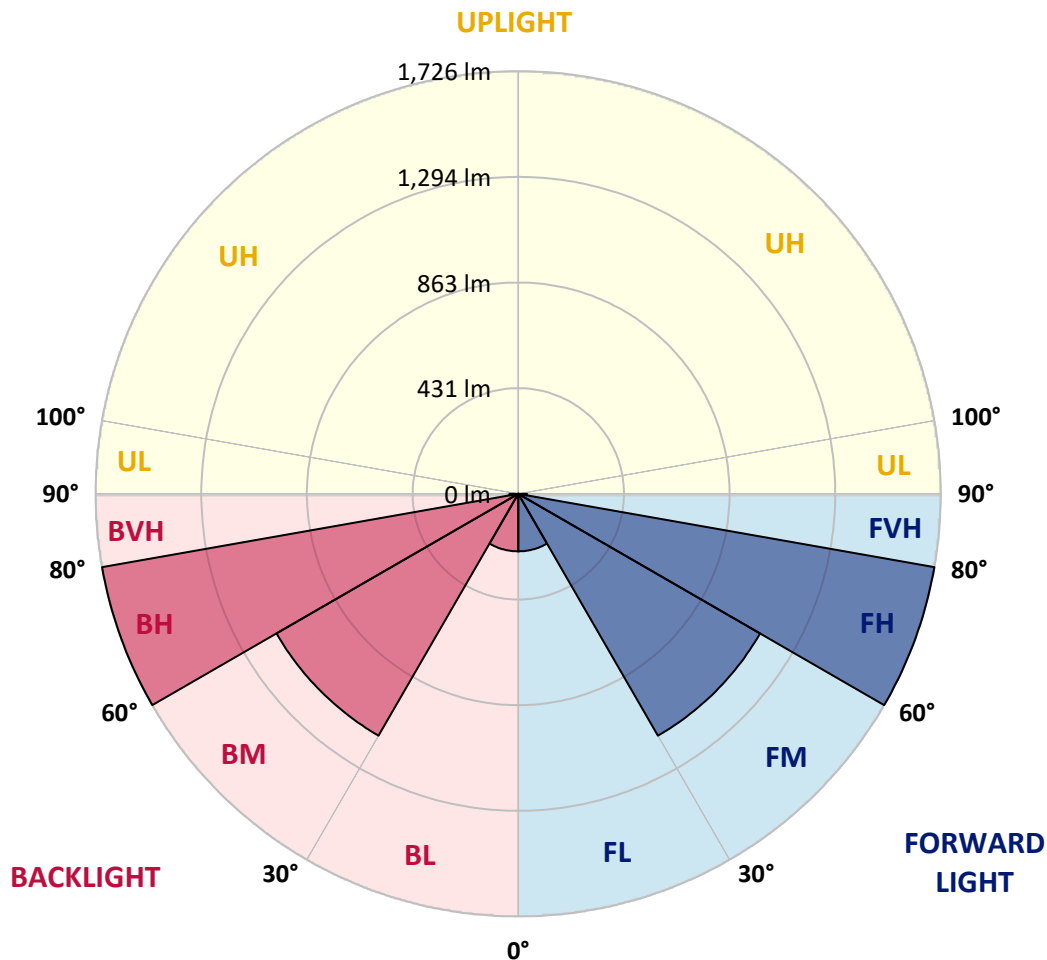
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.9	3.7			
FM (30°-60°)	1140.4	18.2			
FH (60°-80°)	1725.9	27.5			G1/1800
FVH (80°-90°)	35.9	0.6			G1/100
BL (0°-30°)	234.9	3.7	B1/500		
BM (30°-60°)	1140.4	18.2	B2/2500		
BH (60°-80°)	1725.9	27.5	B3/2500		G1/1800
BVH (80°-90°)	35.9	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°	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3
2.5°	568.7	570.4	569.7	568.4	568.4	567.4	568.4	569.1	570.0	570.7
5°	561.2	562.5	562.2	561.2	561.6	560.6	561.2	562.2	562.9	563.2
7.5°	554.7	556.0	555.4	553.7	553.7	552.7	553.1	554.1	555.0	555.4
10°	553.1	554.4	552.4	549.8	548.8	547.5	547.9	548.8	550.8	551.8
12.5°	553.7	554.7	552.7	548.8	547.9	546.6	546.6	547.5	550.1	551.4
15°	555.7	556.7	553.7	549.5	548.5	547.5	547.2	548.5	551.4	553.7
17.5°	559.3	560.2	555.7	549.8	548.5	548.8	548.5	549.5	554.1	558.3
20°	562.5	563.2	557.0	549.8	548.5	548.8	548.5	550.5	556.3	562.2
22.5°	563.5	564.2	558.3	552.1	551.1	551.4	551.1	553.1	558.6	564.5
25°	563.8	564.8	560.2	555.4	557.0	557.6	557.0	557.3	561.6	566.8
27.5°	568.7	570.0	565.8	561.6	562.5	562.2	563.2	564.2	567.4	572.6
30°	578.8	579.8	576.2	572.0	571.3	569.1	572.0	575.3	578.8	583.4
32.5°	595.5	597.4	592.9	588.3	585.4	584.1	586.3	591.9	596.8	601.7
35°	623.2	624.5	620.3	611.8	606.6	606.6	608.5	615.7	623.5	629.7
37.5°	662.3	664.0	656.5	646.3	638.5	638.5	641.1	648.6	660.4	669.2
40°	709.9	712.2	702.8	692.3	684.8	683.5	686.8	695.3	706.3	717.4
42.5°	767.3	769.9	757.5	748.4	742.5	742.5	744.2	752.0	762.1	775.8
45°	840.7	845.3	828.3	819.2	813.6	814.9	815.9	822.8	831.9	847.5
47.5°	928.1	932.7	914.7	905.3	904.3	910.5	906.6	911.5	916.4	934.3
50°	1027.2	1035.1	1022.7	1022.0	1024.0	1035.4	1026.3	1028.9	1023.3	1034.7
52.5°	1148.5	1160.0	1157.7	1161.6	1183.4	1206.9	1186.0	1176.9	1156.0	1159.6
55°	1295.6	1312.9	1316.2	1339.6	1389.2	1437.1	1392.8	1355.9	1311.6	1303.4
57.5°	1462.9	1476.6	1492.3	1540.2	1632.8	1717.9	1632.8	1551.3	1481.5	1464.9
60°	1642.9	1659.9	1674.9	1745.6	1883.3	2002.9	1880.7	1751.2	1658.9	1636.4
62.5°	1836.3	1858.1	1868.6	1947.2	2107.6	2250.5	2109.9	1953.0	1850.6	1826.5
65°	2021.9	2039.8	2051.5	2135.3	2288.6	2431.8	2299.0	2144.5	2039.1	2007.5
67.5°	2108.3	2118.1	2146.8	2241.6	2403.4	2566.8	2430.8	2251.8	2134.0	2078.6
70°	1981.7	1961.9	2031.0	2183.0	2417.1	2649.6	2448.4	2178.4	2034.2	1944.2
72.5°	1531.4	1497.2	1617.2	1877.1	2260.6	2596.8	2276.2	1891.7	1691.8	1509.2
75°	833.2	794.4	960.1	1288.8	1802.7	2250.8	1844.1	1325.6	1069.0	827.0
77.5°	235.1	220.4	354.2	623.5	1084.3	1580.3	1126.0	637.2	420.0	249.1
80°	72.1	69.8	94.6	187.8	460.5	756.9	442.5	190.1	120.3	76.0
82.5°	42.7	39.1	47.0	68.5	117.4	237.7	114.1	71.4	57.4	38.5
85°	24.5	22.8	27.7	33.3	39.5	50.5	32.9	33.9	30.7	20.5
87.5°	10.1	9.1	10.8	10.4	9.1	11.7	8.8	10.4	12.4	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
572.3
570.4
563.2
555.4
551.8
551.8
554.1
558.3
562.5
564.5
566.4
571.3
582.4
599.7
627.4
665.9
713.8
774.8
846.9
929.1
1027.9
1147.6
1290.7
1453.1
1616.8
1807.0
1991.9
2079.2
1965.8
1554.5
880.8
276.9
80.2
41.7
21.5
7.5
0.0

OF REPORT)