

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: P846501

Luminaire Tested: **GLAN-SB2A-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846501
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-SB2A-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6122 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

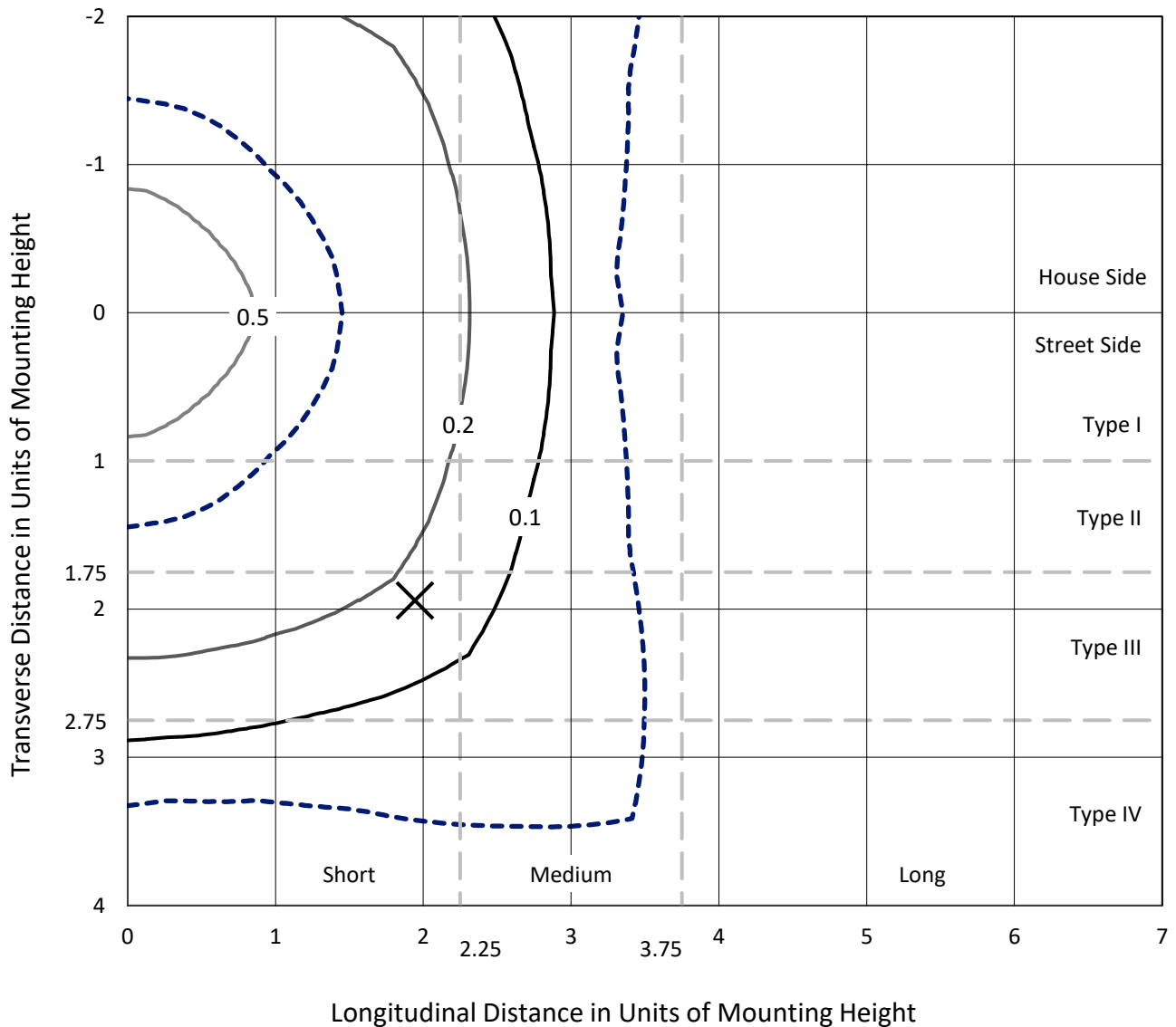
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

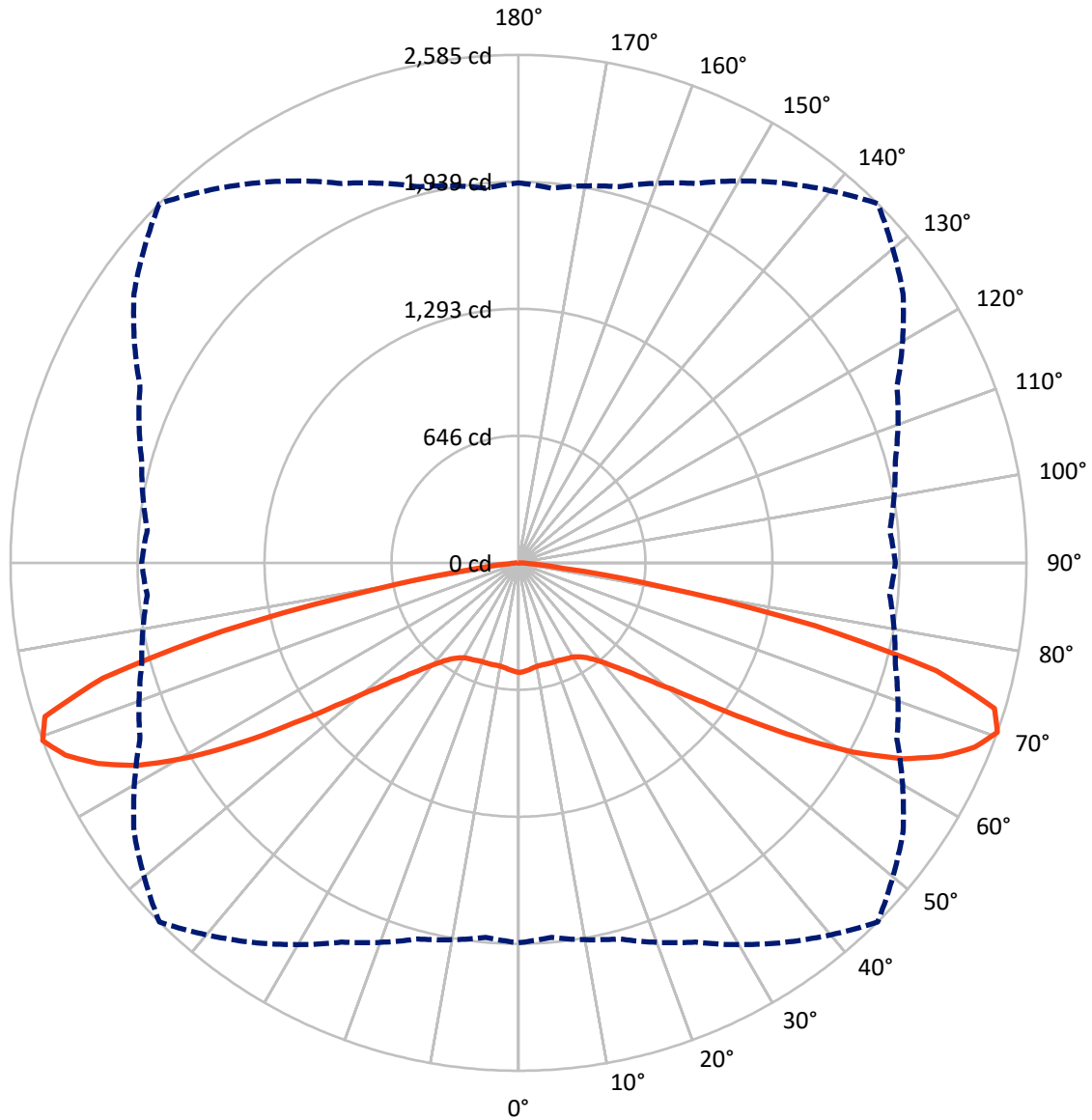
× Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	3061.0	0.0	3061.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3061.0	0.0	3061.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6122.0	0.0	6122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	0.8
10°-20°	152.5	2.5
20°-30°	253.8	4.1
30°-40°	383.9	6.3
40°-50°	637.9	10.4
50°-60°	1203.7	19.7
60°-70°	2032.6	33.2
70°-80°	1335.6	21.8
80°-90°	70.0	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°	6122.0	100.0
0°-180°	6122.0	100.0

Coefficient of Utilization



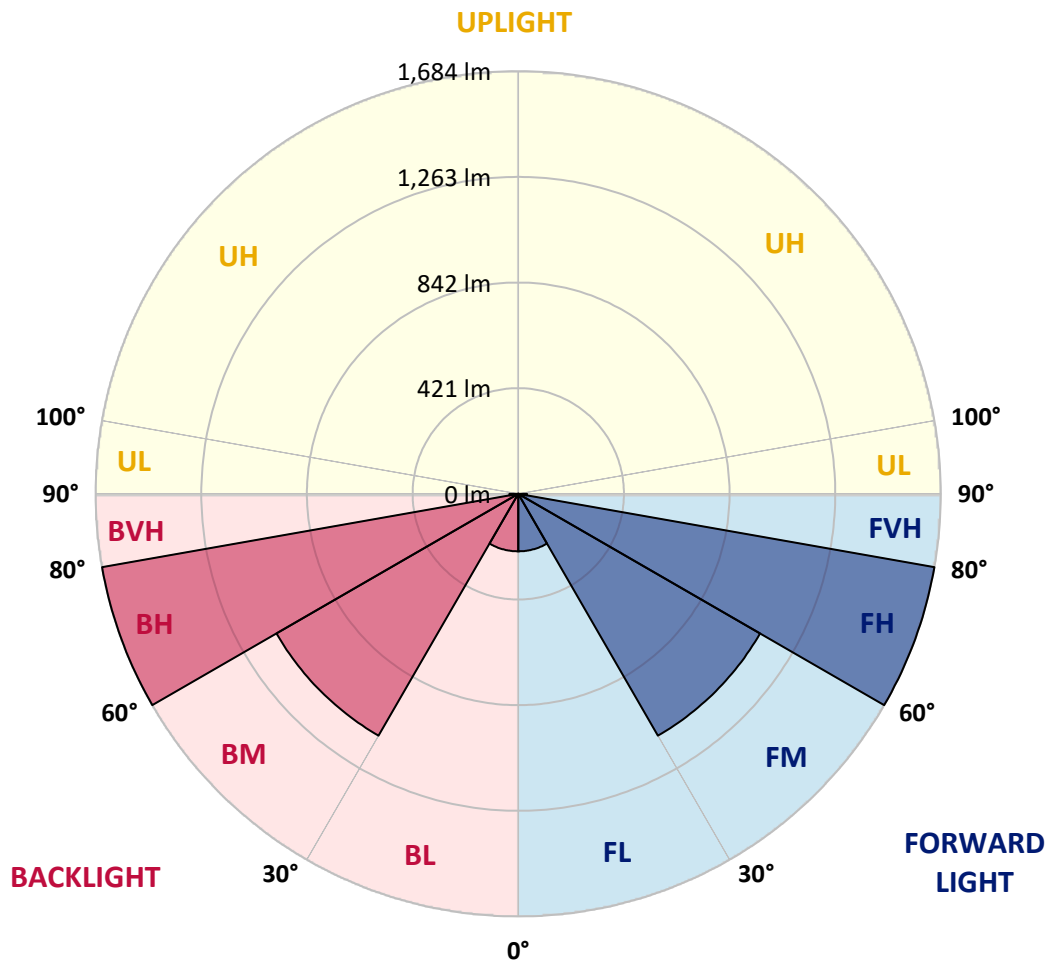
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.2	3.7			
FM (30°-60°)	1112.8	18.2			
FH (60°-80°)	1684.1	27.5			G1/1800
FVH (80°-90°)	35.0	0.6			G1/100
BL (0°-30°)	229.2	3.7	B1/500		
BM (30°-60°)	1112.8	18.2	B2/2500		
BH (60°-80°)	1684.1	27.5	B3/2500		G1/1800
BVH (80°-90°)	35.0	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°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	554.9	556.5	555.9	554.6	554.6	553.7	554.6	555.3	556.2	556.9
5°	547.6	548.9	548.6	547.6	547.9	547.0	547.6	548.6	549.2	549.5
7.5°	541.3	542.5	541.9	540.3	540.3	539.4	539.7	540.6	541.6	541.9
10°	539.7	540.9	539.0	536.5	535.5	534.3	534.6	535.5	537.4	538.4
12.5°	540.3	541.3	539.4	535.5	534.6	533.3	533.3	534.3	536.8	538.1
15°	542.2	543.2	540.3	536.2	535.2	534.3	533.9	535.2	538.1	540.3
17.5°	545.7	546.7	542.2	536.5	535.2	535.5	535.2	536.2	540.6	544.8
20°	548.9	549.5	543.5	536.5	535.2	535.5	535.2	537.1	542.9	548.6
22.5°	549.9	550.5	544.8	538.7	537.8	538.1	537.8	539.7	545.1	550.8
25°	550.2	551.1	546.7	541.9	543.5	544.1	543.5	543.8	547.9	553.0
27.5°	554.9	556.2	552.1	547.9	548.9	548.6	549.5	550.5	553.7	558.8
30°	564.8	565.8	562.3	558.1	557.5	555.3	558.1	561.3	564.8	569.3
32.5°	581.0	583.0	578.5	574.0	571.2	569.9	572.1	577.5	582.3	587.1
35°	608.1	609.4	605.2	597.0	591.9	591.9	593.8	600.8	608.4	614.5
37.5°	646.3	647.9	640.5	630.7	623.0	623.0	625.6	632.9	644.4	653.0
40°	692.7	695.0	685.7	675.5	668.2	667.0	670.1	678.4	689.2	700.1
42.5°	748.7	751.3	739.2	730.3	724.6	724.6	726.1	733.8	743.6	757.0
45°	820.3	824.8	808.2	799.3	793.9	795.2	796.1	802.8	811.7	827.0
47.5°	905.6	910.1	892.6	883.3	882.4	888.4	884.6	889.4	894.2	911.7
50°	1002.3	1010.0	997.9	997.3	999.2	1010.3	1001.4	1003.9	998.5	1009.7
52.5°	1120.7	1131.9	1129.6	1133.4	1154.8	1177.7	1157.3	1148.4	1128.0	1131.5
55°	1264.2	1281.1	1284.3	1307.2	1355.6	1402.3	1359.1	1323.1	1279.8	1271.9
57.5°	1427.5	1440.8	1456.1	1502.9	1593.3	1676.3	1593.3	1513.7	1445.6	1429.4
60°	1603.1	1619.7	1634.3	1703.4	1837.6	1954.4	1835.1	1708.8	1618.7	1596.8
62.5°	1791.8	1813.1	1823.3	1900.0	2056.6	2195.9	2058.8	1905.7	1805.8	1782.3
65°	1972.9	1990.4	2001.8	2083.6	2233.2	2372.9	2243.3	2092.5	1989.7	1958.9
67.5°	2057.2	2066.7	2094.7	2187.3	2345.2	2504.6	2371.9	2197.2	2082.3	2028.2
70°	1933.7	1914.3	1981.8	2130.1	2358.5	2585.4	2389.1	2125.6	1985.0	1897.1
72.5°	1494.3	1460.9	1578.0	1831.6	2205.8	2533.9	2221.1	1845.9	1650.8	1472.7
75°	813.0	775.1	936.8	1257.5	1759.0	2196.3	1799.4	1293.5	1043.1	807.0
77.5°	229.4	215.1	345.6	608.4	1058.0	1542.0	1098.8	621.8	409.8	243.1
80°	70.3	68.1	92.3	183.3	449.3	738.6	431.8	185.5	117.4	74.1
82.5°	41.7	38.2	45.8	66.8	114.6	232.0	111.4	69.7	56.0	37.5
85°	23.9	22.3	27.0	32.5	38.5	49.3	32.1	33.1	29.9	20.0
87.5°	9.9	8.9	10.5	10.2	8.9	11.5	8.6	10.2	12.1	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
558.4
556.5
549.5
541.9
538.4
538.4
540.6
544.8
548.9
550.8
552.7
557.5
568.3
585.2
612.2
649.8
696.6
756.1
826.4
906.6
1003.0
1119.8
1259.5
1417.9
1577.7
1763.2
1943.6
2028.9
<i>1918.1</i>
1516.9
859.5
270.2
78.3
40.7
21.0
7.3
0.0

OF REPORT)