

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: P846491

Luminaire Tested: **GLAN-SB2A-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846491
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-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5843 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

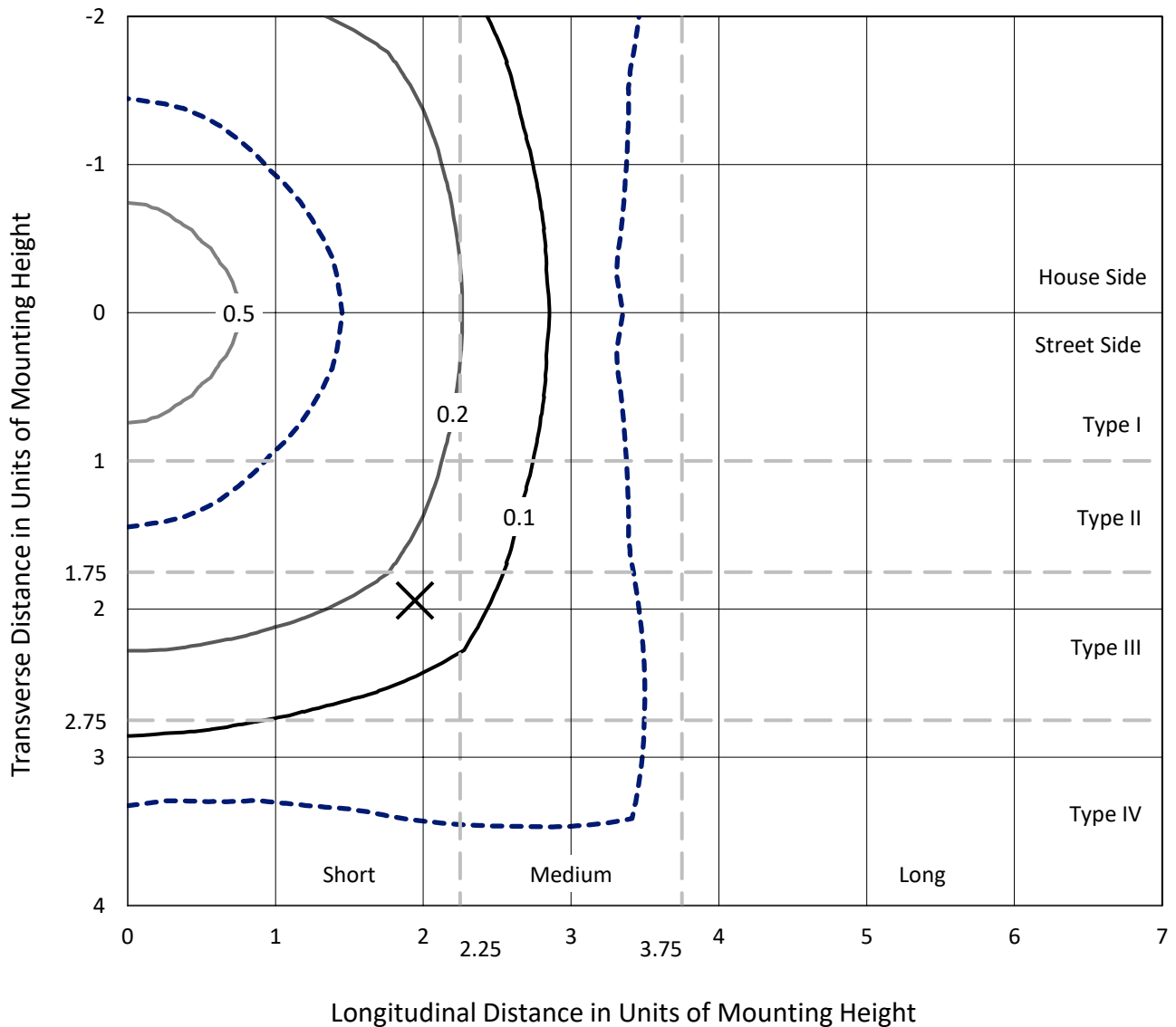
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

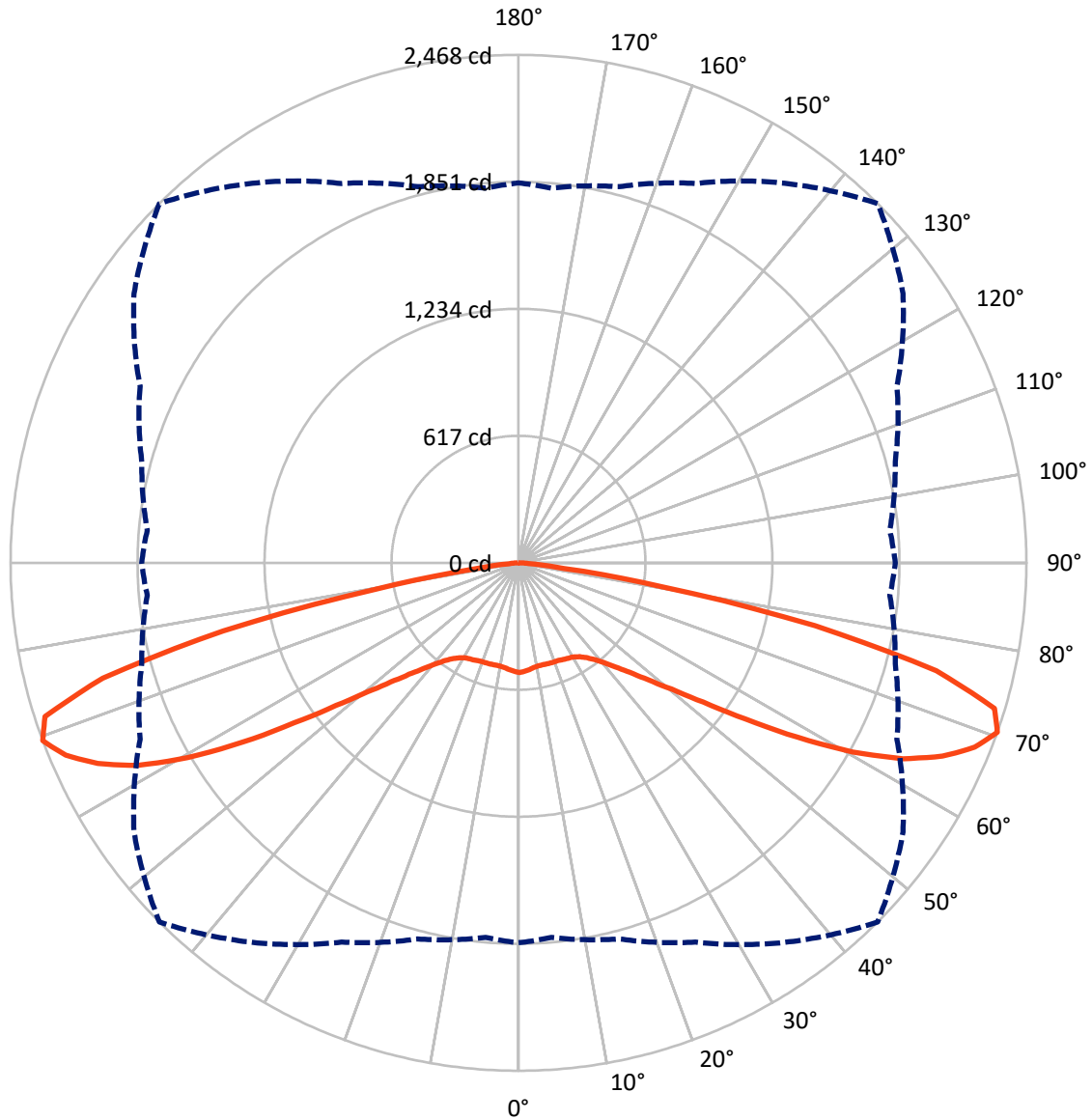
✕ Max cd
 - - - 1/2 Max cd



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	2921.5	0.0	2921.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2921.5	0.0	2921.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5843.0	0.0	5843.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	0.8
10°-20°	145.6	2.5
20°-30°	242.3	4.1
30°-40°	366.4	6.3
40°-50°	608.9	10.4
50°-60°	1148.9	19.7
60°-70°	1939.9	33.2
70°-80°	1274.7	21.8
80°-90°	66.8	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°	5843.0	100.0
0°-180°	5843.0	100.0

Coefficient of Utilization



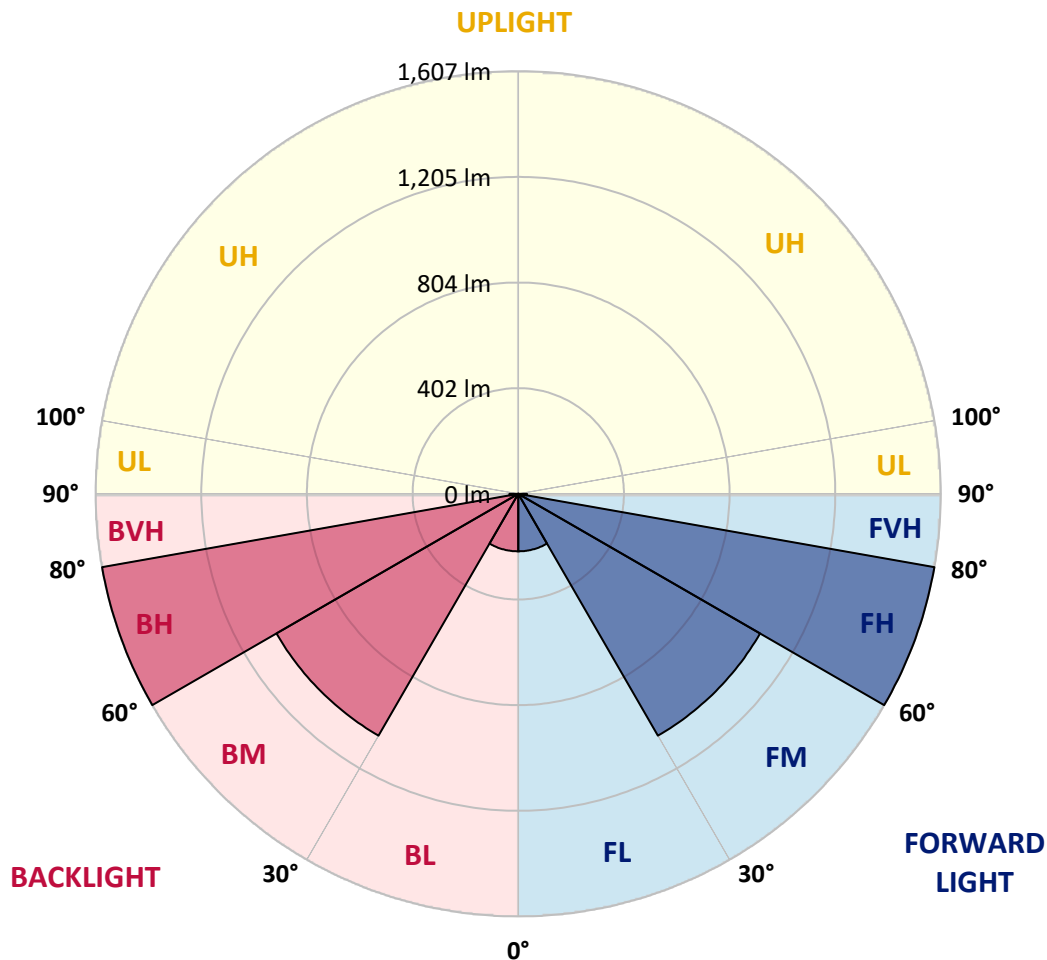
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.7	3.7			
FM (30°-60°)	1062.1	18.2			
FH (60°-80°)	1607.3	27.5			G1/1800
FVH (80°-90°)	33.4	0.6			G1/100
BL (0°-30°)	218.7	3.7	B1/500		
BM (30°-60°)	1062.1	18.2	B2/2500		
BH (60°-80°)	1607.3	27.5	B3/2500		G1/1800
BVH (80°-90°)	33.4	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°	533.0	533.0	533.0	533.0	533.0	533.0	533.0	533.0	533.0	533.0
2.5°	529.7	531.2	530.6	529.4	529.4	528.4	529.4	530.0	530.9	531.5
5°	522.7	523.9	523.6	522.7	523.0	522.1	522.7	523.6	524.2	524.5
7.5°	516.6	517.8	517.2	515.7	515.7	514.8	515.1	516.0	516.9	517.2
10°	515.1	516.3	514.5	512.0	511.1	509.9	510.2	511.1	513.0	513.9
12.5°	515.7	516.6	514.8	511.1	510.2	509.0	509.0	509.9	512.3	513.6
15°	517.5	518.4	515.7	511.7	510.8	509.9	509.6	510.8	513.6	515.7
17.5°	520.9	521.8	517.5	512.0	510.8	511.1	510.8	511.7	516.0	519.9
20°	523.9	524.5	518.7	512.0	510.8	511.1	510.8	512.7	518.1	523.6
22.5°	524.8	525.4	519.9	514.2	513.3	513.6	513.3	515.1	520.2	525.7
25°	525.1	526.0	521.8	517.2	518.7	519.3	518.7	519.0	523.0	527.8
27.5°	529.7	530.9	526.9	523.0	523.9	523.6	524.5	525.4	528.4	533.3
30°	539.1	540.0	536.6	532.7	532.1	530.0	532.7	535.7	539.1	543.3
32.5°	554.6	556.4	552.1	547.9	545.1	543.9	546.1	551.2	555.8	560.3
35°	580.4	581.6	577.6	569.7	564.9	564.9	566.7	573.4	580.7	586.5
37.5°	616.8	618.3	611.4	601.9	594.7	594.7	597.1	604.1	615.0	623.2
40°	661.2	663.3	654.5	644.8	637.8	636.6	639.6	647.5	657.8	668.1
42.5°	714.6	717.0	705.5	697.0	691.5	691.5	693.1	700.3	709.8	722.5
45°	782.9	787.2	771.4	762.9	757.7	759.0	759.9	766.2	774.7	789.3
47.5°	864.3	868.6	851.9	843.1	842.2	847.9	844.3	848.9	853.4	870.1
50°	956.7	964.0	952.4	951.8	953.6	964.3	955.8	958.2	953.0	963.7
52.5°	1069.6	1080.3	1078.1	1081.8	1102.1	1124.0	1104.6	1096.1	1076.6	1080.0
55°	1206.6	1222.7	1225.7	1247.6	1293.8	1338.4	1297.1	1262.8	1221.5	1213.9
57.5°	1362.4	1375.2	1389.7	1434.4	1520.6	1599.9	1520.6	1444.7	1379.7	1364.2
60°	1530.1	1545.8	1559.8	1625.7	1753.9	1865.3	1751.5	1630.9	1544.9	1524.0
62.5°	1710.2	1730.5	1740.2	1813.4	1962.8	2095.9	1965.0	1818.9	1723.5	1701.0
65°	1883.0	1899.7	1910.6	1988.6	2131.4	2264.7	2141.1	1997.2	1899.1	1869.6
67.5°	1963.4	1972.6	1999.3	2087.7	2238.3	2390.4	2263.8	2097.1	1987.4	1935.8
70°	1845.6	1827.1	1891.5	2033.0	2251.0	2467.6	2280.2	2028.7	1894.5	1810.7
72.5°	1426.2	1394.3	1506.1	1748.1	2105.3	2418.4	2119.8	1761.8	1575.6	1405.5
75°	776.0	739.8	894.1	1200.2	1678.9	2096.2	1717.4	1234.6	995.5	770.2
77.5°	219.0	205.3	329.8	580.7	1009.8	1471.7	1048.7	593.4	391.2	232.0
80°	67.1	65.0	88.1	174.9	428.8	704.9	412.1	177.1	112.1	70.8
82.5°	39.8	36.4	43.7	63.8	109.3	221.4	106.3	66.5	53.5	35.8
85°	22.8	21.3	25.8	31.0	36.7	47.1	30.7	31.6	28.5	19.1
87.5°	9.4	8.5	10.0	9.7	8.5	10.9	8.2	9.7	11.5	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
533.0
531.2
524.5
517.2
513.9
513.9
516.0
519.9
523.9
525.7
527.5
532.1
542.4
558.5
584.3
620.2
664.8
721.6
788.7
865.3
957.3
1068.7
1202.1
1353.3
1505.8
1682.8
1855.0
1936.4
1830.7
1447.8
820.3
257.8
74.7
38.9
20.0
7.0
0.0

OF REPORT)