

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: P849211

Luminaire Tested: **GLAN-SB6A-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849211
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-SB6A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 17719 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

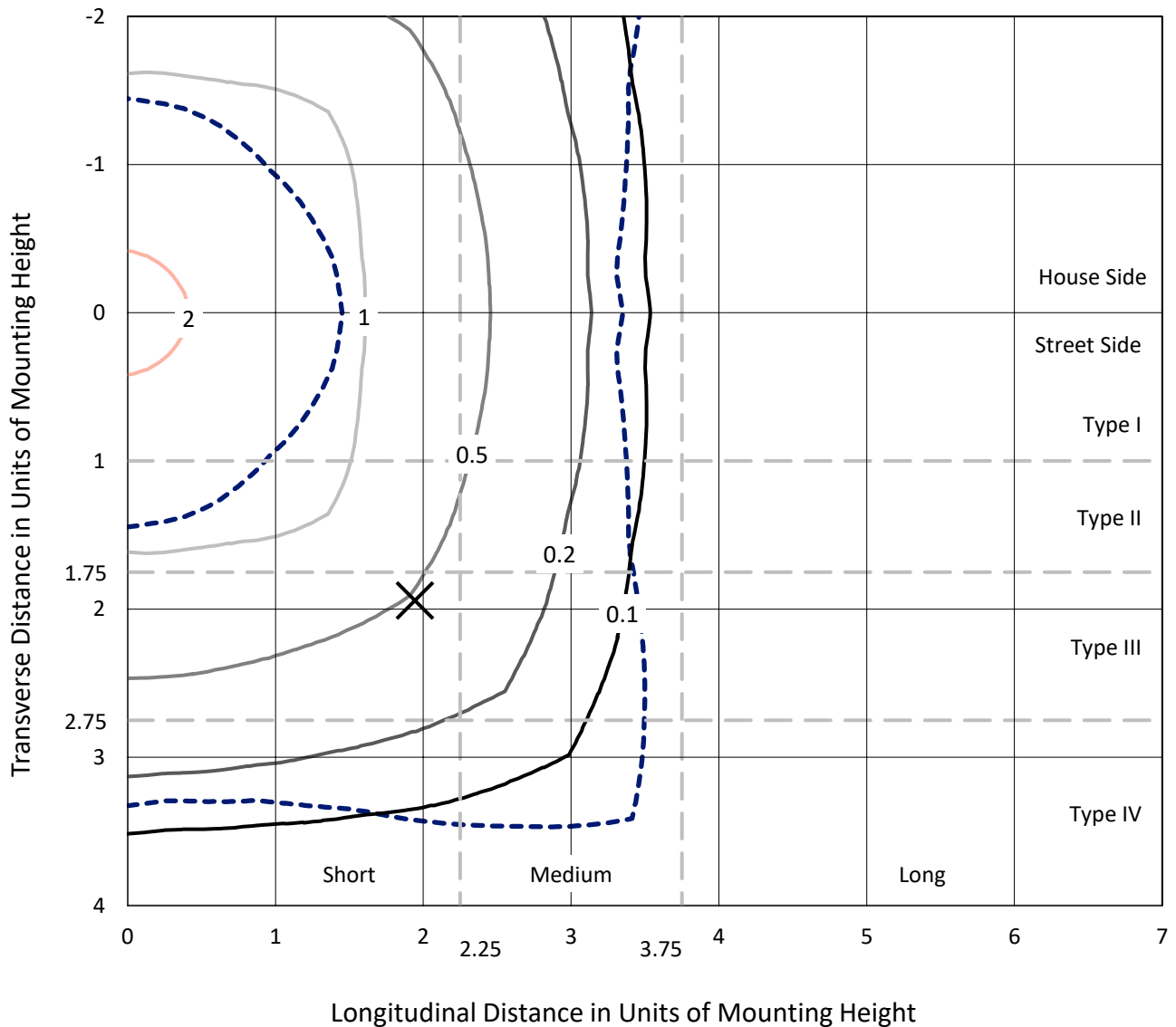
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

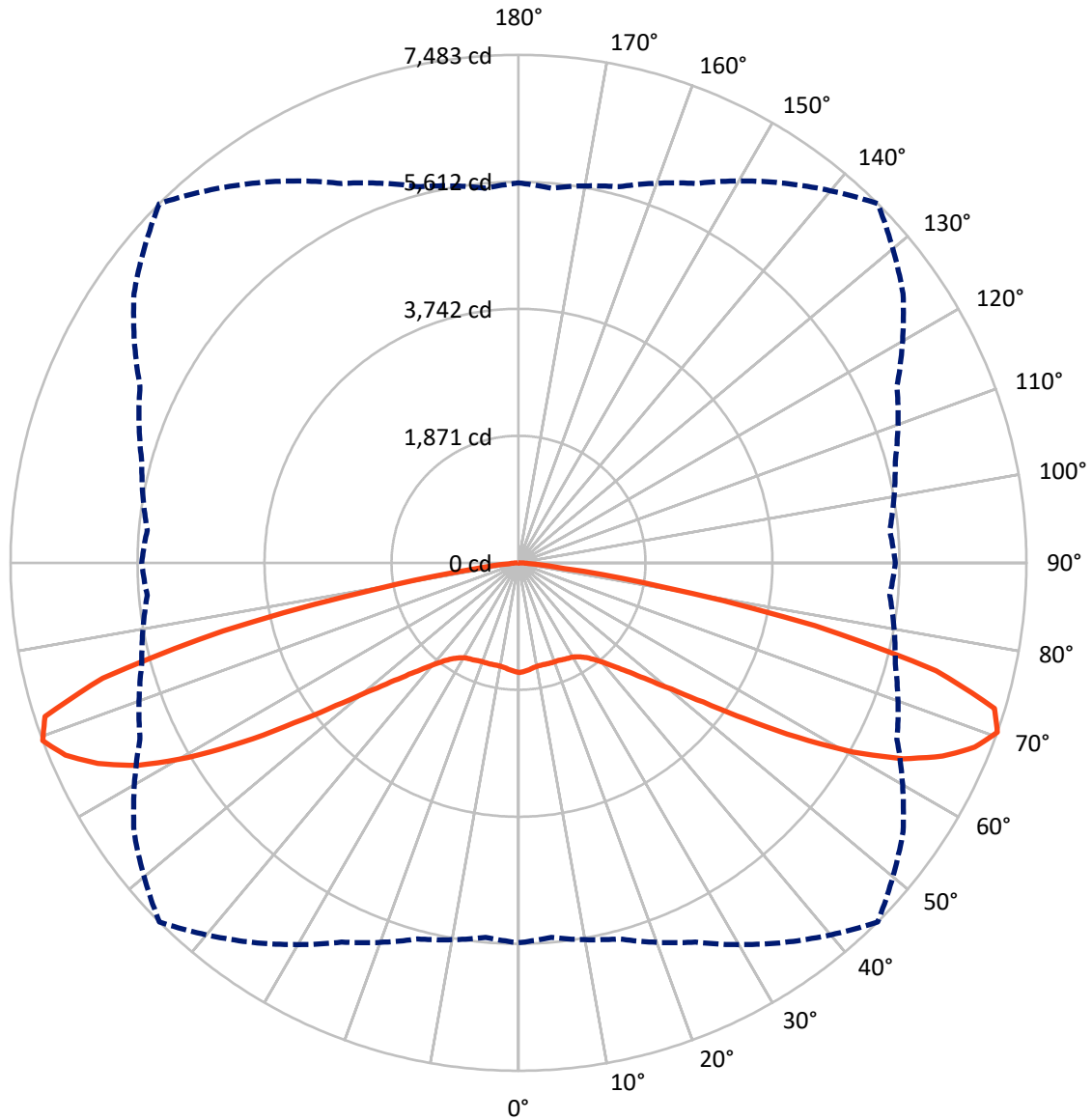
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	8859.5	0.0	8859.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8859.5	0.0	8859.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17719.0	0.0	17719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	0.8
10°-20°	441.5	2.5
20°-30°	734.7	4.1
30°-40°	1111.1	6.3
40°-50°	1846.3	10.4
50°-60°	3484.0	19.7
60°-70°	5882.9	33.2
70°-80°	3865.6	21.8
80°-90°	202.5	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°	17719.0	100.0
0°-180°	17719.0	100.0

Coefficient of Utilization



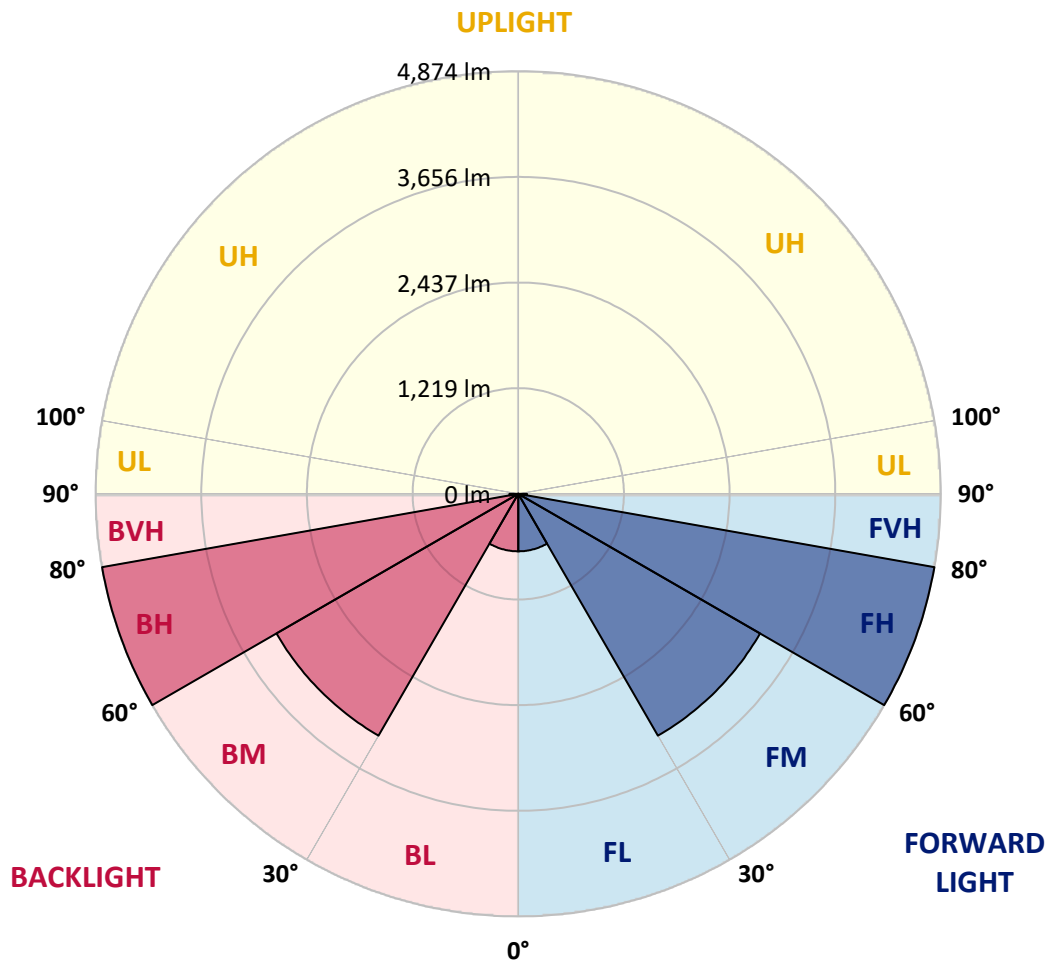
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	663.3	3.7			
FM (30°-60°)	3220.7	18.2			
FH (60°-80°)	4874.3	27.5			G2/5000
FVH (80°-90°)	101.3	0.6			G2/225
BL (0°-30°)	663.3	3.7	B2/1000		
BM (30°-60°)	3220.7	18.2	B3/5000		
BH (60°-80°)	4874.3	27.5	B4/5000		G2/5000
BVH (80°-90°)	101.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1616.3	1616.3	1616.3	1616.3	1616.3	1616.3	1616.3	1616.3	1616.3	1616.3
2.5°	1606.2	1610.8	1609.0	1605.3	1605.3	1602.5	1605.3	1607.1	1609.9	1611.7
5°	1585.0	1588.7	1587.8	1585.0	1585.9	1583.2	1585.0	1587.8	1589.6	1590.5
7.5°	1566.6	1570.3	1568.4	1563.8	1563.8	1561.1	1562.0	1564.8	1567.5	1568.4
10°	1562.0	1565.7	1560.1	1552.8	1550.0	1546.3	1547.3	1550.0	1555.5	1558.3
12.5°	1563.8	1566.6	1561.1	1550.0	1547.3	1543.6	1543.6	1546.3	1553.7	1557.4
15°	1569.4	1572.1	1563.8	1551.9	1549.1	1546.3	1545.4	1549.1	1557.4	1563.8
17.5°	1579.5	1582.3	1569.4	1552.8	1549.1	1550.0	1549.1	1551.9	1564.8	1576.7
20°	1588.7	1590.5	1573.0	1552.8	1549.1	1550.0	1549.1	1554.6	1571.2	1587.8
22.5°	1591.5	1593.3	1576.7	1559.2	1556.5	1557.4	1556.5	1562.0	1577.6	1594.2
25°	1592.4	1595.1	1582.3	1568.4	1573.0	1574.9	1573.0	1574.0	1585.9	1600.7
27.5°	1606.2	1609.9	1597.9	1585.9	1588.7	1587.8	1590.5	1593.3	1602.5	1617.3
30°	1634.7	1637.5	1627.4	1615.4	1613.6	1607.1	1615.4	1624.6	1634.7	1647.6
32.5°	1681.7	1687.2	1674.4	1661.5	1653.2	1649.5	1655.9	1671.6	1685.4	1699.2
35°	1760.0	1763.7	1751.7	1727.8	1713.0	1713.0	1718.6	1738.8	1760.9	1778.4
37.5°	1870.5	1875.1	1853.9	1825.4	1803.3	1803.3	1810.7	1831.8	1865.0	1889.9
40°	2005.0	2011.4	1984.7	1955.3	1934.1	1930.4	1939.6	1963.5	1994.9	2026.2
42.5°	2167.1	2174.4	2139.4	2113.7	2097.1	2097.1	2101.7	2123.8	2152.3	2191.0
45°	2374.3	2387.2	2339.3	2313.5	2297.9	2301.5	2304.3	2323.6	2349.4	2393.6
47.5°	2621.1	2634.0	2583.4	2556.7	2553.9	2571.4	2560.3	2574.2	2588.0	2638.6
50°	2901.1	2923.2	2888.2	2886.4	2891.9	2924.1	2898.3	2905.7	2890.1	2922.3
52.5°	3243.7	3275.9	3269.5	3280.6	3342.3	3408.6	3349.6	3323.8	3264.9	3275.0
55°	3659.1	3707.9	3717.1	3783.4	3923.4	4058.8	3933.5	3829.5	3704.2	3681.2
57.5°	4131.5	4170.2	4214.4	4349.8	4611.4	4851.8	4611.4	4381.1	4184.0	4137.1
60°	4639.9	4687.8	4730.2	4930.0	5318.7	5656.7	5311.3	4945.7	4685.1	4621.5
62.5°	5186.1	5247.8	5277.2	5499.2	5952.3	6355.7	5958.8	5515.8	5226.6	5158.4
65°	5710.1	5760.8	5793.9	6030.6	6463.5	6867.8	6492.9	6056.4	5758.9	5669.6
67.5°	5954.2	5981.8	6062.8	6330.9	6787.7	7249.1	6865.0	6359.4	6026.9	5870.4
70°	5596.8	5540.6	5735.9	6165.1	6826.3	7483.0	6914.8	6152.2	5745.1	5490.9
72.5°	4324.9	4228.2	4567.2	5301.2	6384.3	7333.8	6428.5	5342.6	4778.1	4262.3
75°	2353.1	2243.5	2711.4	3639.7	5091.2	6356.6	5208.2	3743.8	3019.0	2335.6
77.5°	664.0	622.6	1000.2	1760.9	3062.3	4463.1	3180.2	1799.6	1186.2	703.6
80°	203.5	197.1	267.1	530.5	1300.4	2137.6	1249.8	536.9	339.8	214.6
82.5°	120.6	110.5	132.6	193.4	331.6	671.4	322.3	201.7	162.1	108.7
85°	69.1	64.5	78.3	93.9	111.4	142.8	93.0	95.8	86.6	58.0
87.5°	28.6	25.8	30.4	29.5	25.8	33.2	24.9	29.5	35.0	23.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1616.3
1610.8
1590.5
1568.4
1558.3
1558.3
1564.8
1576.7
1588.7
1594.2
1599.8
1613.6
1644.9
1693.7
1772.0
1880.7
2016.0
2188.3
2391.8
2623.9
2902.9
3240.9
3645.3
4103.9
4566.2
5103.2
5625.4
5872.2
5551.7
4390.3
2487.6
781.9
226.6
117.9
60.8
21.2
0.0

OF REPORT)