

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: P848411

Luminaire Tested: **GLAN-SB5A-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848411
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-SB5A-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17923 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

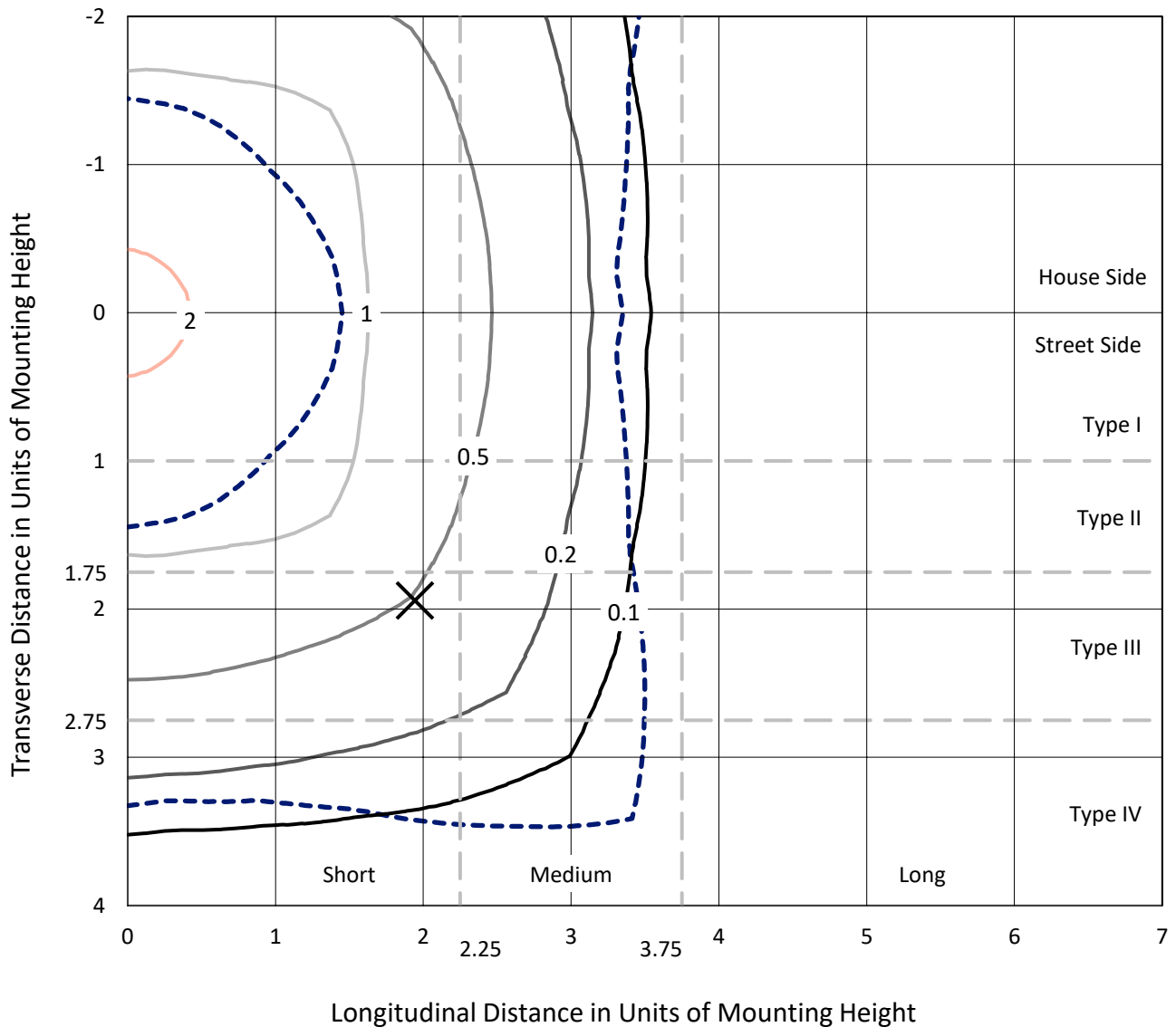
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

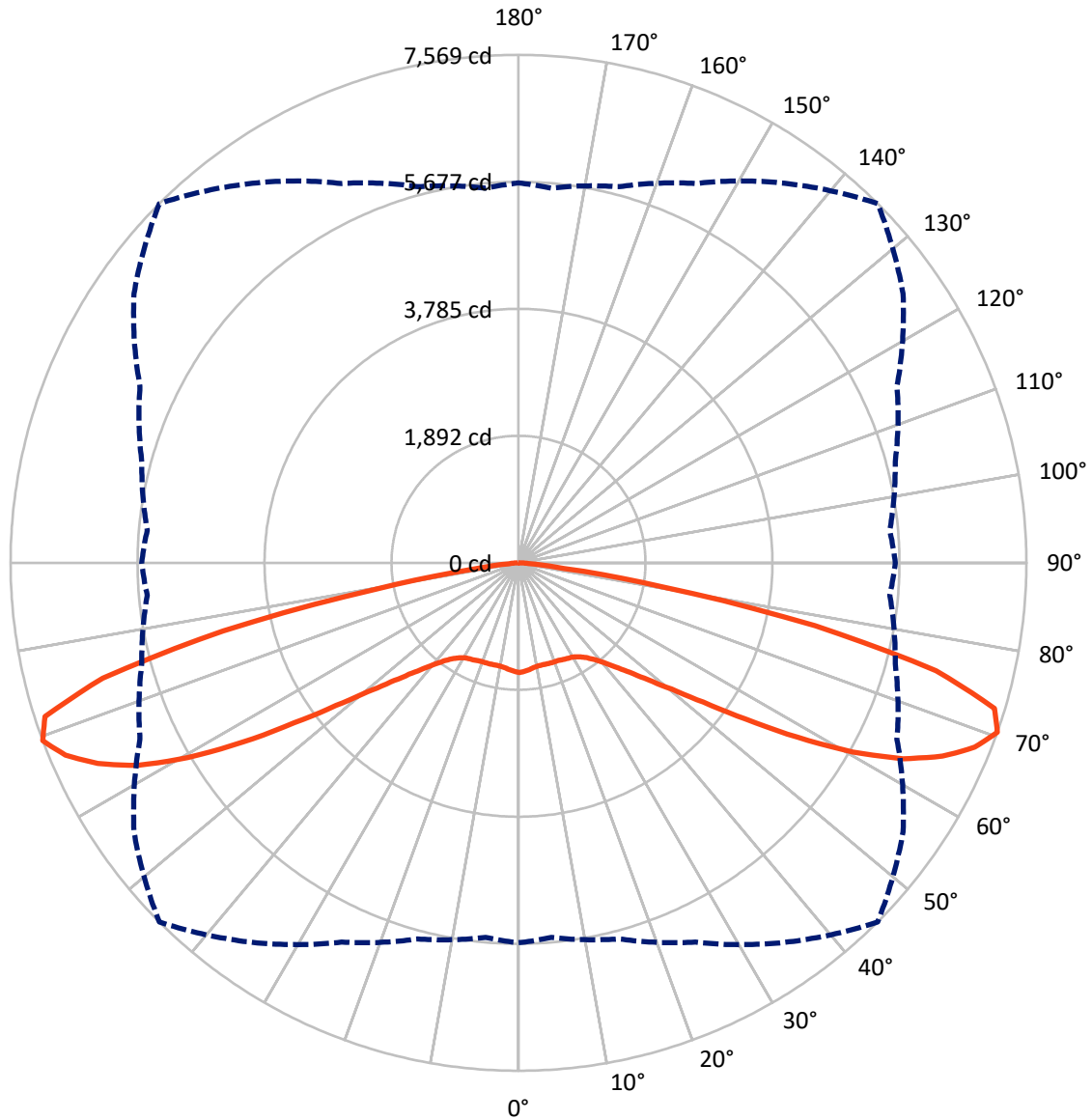
✕ Max cd
 - - - 1/2 Max cd



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	8961.5	0.0	8961.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8961.5	0.0	8961.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17923.0	0.0	17923.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	0.8
10°-20°	446.6	2.5
20°-30°	743.2	4.1
30°-40°	1123.9	6.3
40°-50°	1867.6	10.4
50°-60°	3524.1	19.7
60°-70°	5950.6	33.2
70°-80°	3910.2	21.8
80°-90°	204.9	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°	17923.0	100.0
0°-180°	17923.0	100.0

Coefficient of Utilization

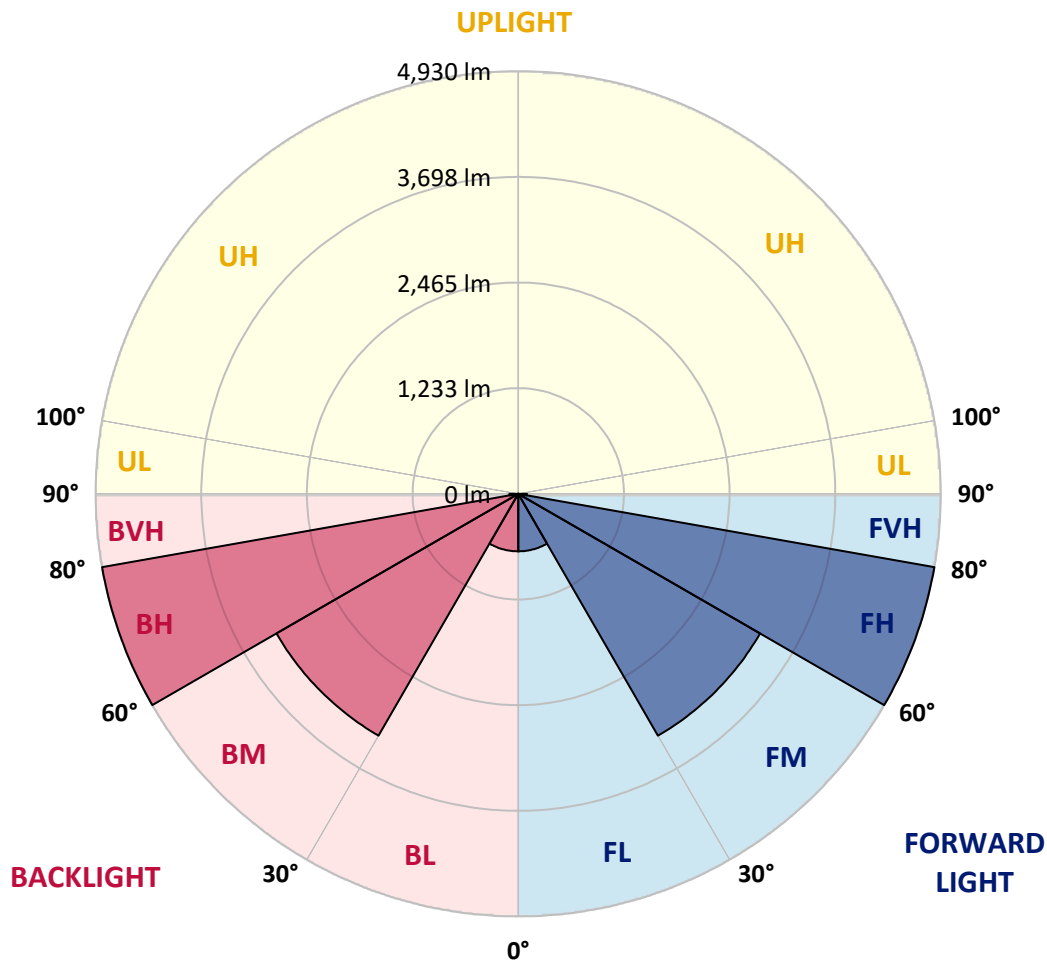


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	670.9	3.7			
FM (30°-60°)	3257.8	18.2			
FH (60°-80°)	4930.4	27.5			G2/5000
FVH (80°-90°)	102.4	0.6			G2/225
BL (0°-30°)	670.9	3.7	B2/1000		
BM (30°-60°)	3257.8	18.2	B3/5000		
BH (60°-80°)	4930.4	27.5	B4/5000		G2/5000
BVH (80°-90°)	102.4	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°	1634.9	1634.9	1634.9	1634.9	1634.9	1634.9	1634.9	1634.9	1634.9	1634.9
2.5°	1624.7	1629.3	1627.5	1623.8	1623.8	1621.0	1623.8	1625.6	1628.4	1630.3
5°	1603.3	1607.0	1606.1	1603.3	1604.2	1601.4	1603.3	1606.1	1607.9	1608.9
7.5°	1584.6	1588.4	1586.5	1581.8	1581.8	1579.0	1580.0	1582.8	1585.6	1586.5
10°	1580.0	1583.7	1578.1	1570.7	1567.9	1564.1	1565.1	1567.9	1573.5	1576.2
12.5°	1581.8	1584.6	1579.0	1567.9	1565.1	1561.3	1561.3	1564.1	1571.6	1575.3
15°	1587.4	1590.2	1581.8	1569.7	1566.9	1564.1	1563.2	1566.9	1575.3	1581.8
17.5°	1597.7	1600.5	1587.4	1570.7	1566.9	1567.9	1566.9	1569.7	1582.8	1594.9
20°	1607.0	1608.9	1591.2	1570.7	1566.9	1567.9	1566.9	1572.5	1589.3	1606.1
22.5°	1609.8	1611.6	1594.9	1577.2	1574.4	1575.3	1574.4	1580.0	1595.8	1612.6
25°	1610.7	1613.5	1600.5	1586.5	1591.2	1593.0	1591.2	1592.1	1604.2	1619.1
27.5°	1624.7	1628.4	1616.3	1604.2	1607.0	1606.1	1608.9	1611.6	1621.0	1635.9
30°	1653.6	1656.4	1646.1	1634.0	1632.1	1625.6	1634.0	1643.3	1653.6	1666.6
32.5°	1701.1	1706.7	1693.6	1680.6	1672.2	1668.5	1675.0	1690.8	1704.8	1718.8
35°	1780.3	1784.0	1771.9	1747.7	1732.8	1732.8	1738.3	1758.8	1781.2	1798.9
37.5°	1892.1	1896.7	1875.3	1846.4	1824.1	1824.1	1831.5	1852.9	1886.5	1911.6
40°	2028.1	2034.6	2007.6	1977.8	1956.3	1952.6	1961.9	1986.1	2017.8	2049.5
42.5°	2192.0	2199.5	2164.1	2138.0	2121.2	2121.2	2125.9	2148.2	2177.1	2216.2
45°	2401.6	2414.7	2366.2	2340.2	2324.3	2328.0	2330.8	2350.4	2376.5	2421.2
47.5°	2651.3	2664.3	2613.1	2586.1	2583.3	2601.0	2589.8	2603.8	2617.8	2669.0
50°	2934.5	2956.9	2921.5	2919.6	2925.2	2957.8	2931.7	2939.2	2923.3	2955.9
52.5°	3281.1	3313.7	3307.1	3318.3	3380.7	3447.8	3388.2	3362.1	3302.5	3312.7
55°	3701.2	3750.6	3759.9	3827.0	3968.6	4105.5	3978.8	3873.5	3746.9	3723.6
57.5°	4179.1	4218.2	4263.0	4399.9	4664.5	4907.6	4664.5	4431.6	4232.2	4184.7
60°	4693.3	4741.8	4784.6	4986.8	5379.9	5721.8	5372.5	5002.6	4739.0	4674.7
62.5°	5245.8	5308.2	5338.0	5562.5	6020.9	6428.9	6027.4	5579.3	5286.8	5217.8
65°	5775.9	5827.1	5860.6	6100.0	6537.9	6946.9	6567.7	6126.1	5825.2	5734.9
67.5°	6022.7	6050.7	6132.6	6403.7	6865.8	7332.5	6944.1	6432.6	6096.3	5937.9
70°	5661.3	5604.4	5801.9	6236.1	6904.9	7569.2	6994.4	6223.0	5811.3	5554.1
72.5°	4374.7	4276.9	4619.7	5362.2	6457.8	7418.2	6502.5	5404.1	4833.1	4311.4
75°	2380.2	2269.4	2742.6	3681.6	5149.8	6429.8	5268.1	3786.9	3053.7	2362.5
77.5°	671.7	629.8	1011.7	1781.2	3097.5	4514.5	3216.8	1820.3	1199.9	711.7
80°	205.9	199.4	270.2	536.6	1315.4	2162.2	1264.2	543.1	343.8	217.1
82.5°	122.0	111.8	134.1	195.6	335.4	679.1	326.1	204.0	164.0	109.9
85°	69.9	65.2	79.2	95.0	112.7	144.4	94.1	96.9	87.6	58.7
87.5°	28.9	26.1	30.7	29.8	26.1	33.5	25.2	29.8	35.4	23.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1634.9
1629.3
1608.9
1586.5
1576.2
1576.2
1582.8
1594.9
1607.0
1612.6
1618.2
1632.1
1663.8
1713.2
1792.4
1902.3
2039.2
2213.5
2419.3
2654.1
2936.4
3278.3
3687.2
4151.2
4618.8
5161.9
5690.1
5939.8
5615.6
4440.9
2516.2
790.9
229.2
119.2
61.5
21.4
0.0

OF REPORT)