

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: P847901

Luminaire Tested: **GLAN-SB4B-722-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847901  
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-SB4B-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17851 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

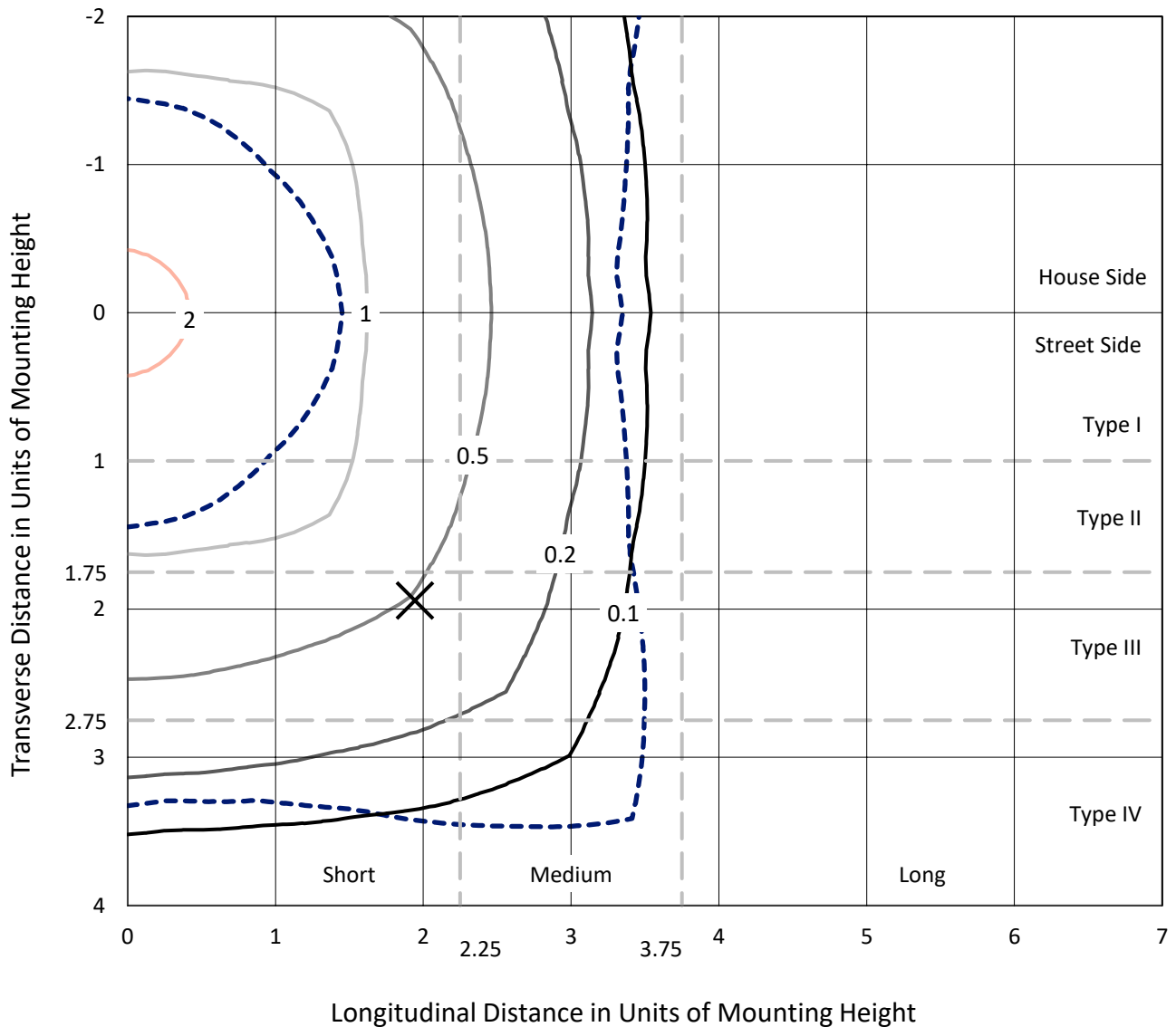
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

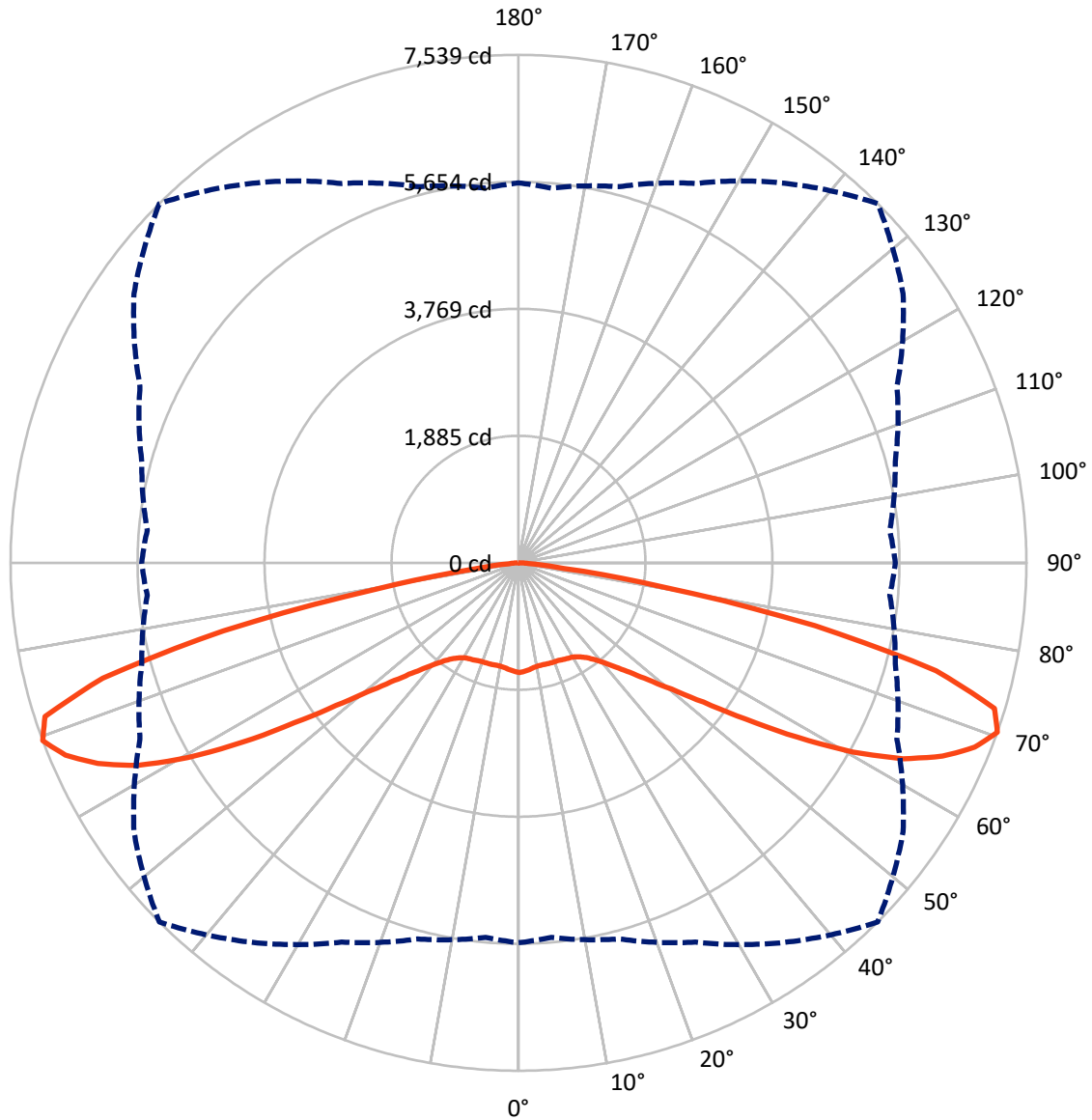
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	8925.5	0.0	8925.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8925.5	0.0	8925.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17851.0	0.0	17851.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.5	0.8
10°-20°	444.8	2.5
20°-30°	740.2	4.1
30°-40°	1119.4	6.3
40°-50°	1860.1	10.4
50°-60°	3510.0	19.7
60°-70°	5926.7	33.2
70°-80°	3894.4	21.8
80°-90°	204.0	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°	17851.0	100.0
0°-180°	17851.0	100.0

**Coefficient of Utilization**



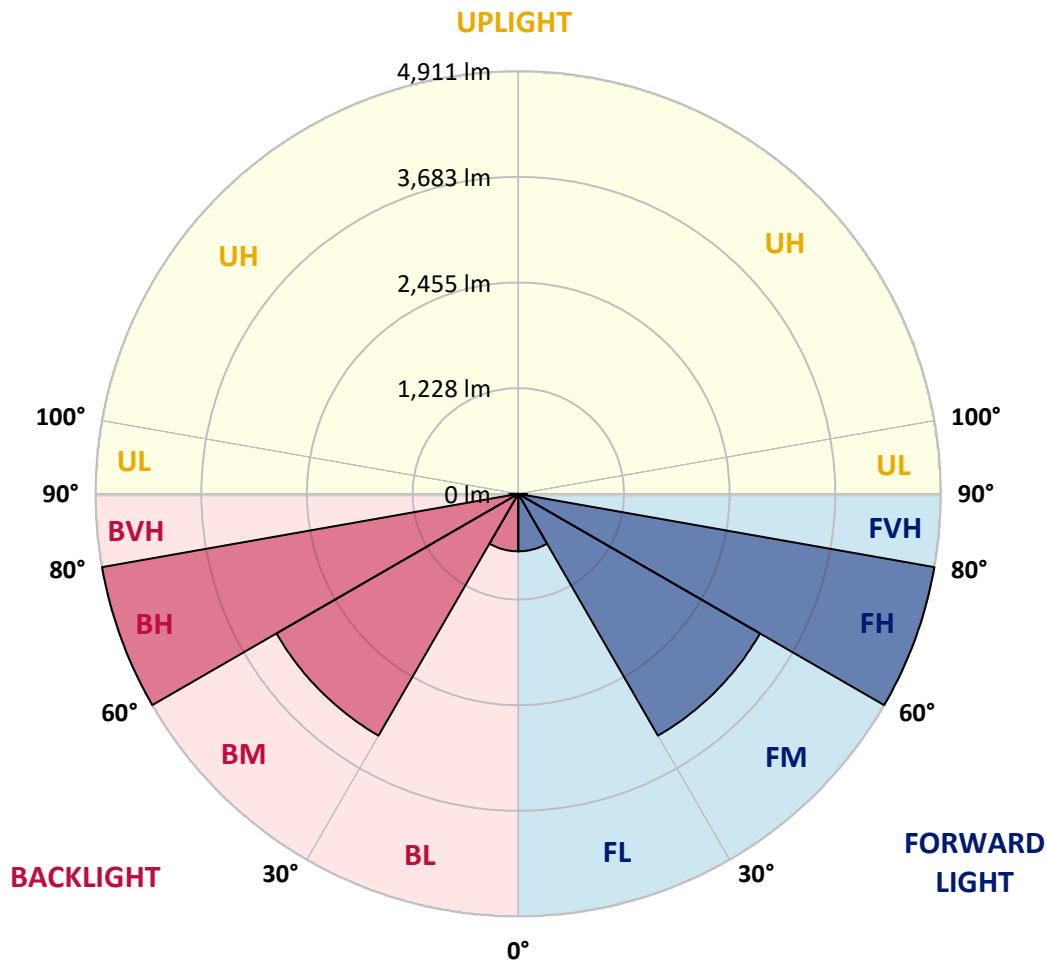
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	668.2	3.7			
FM (30°-60°)	3244.7	18.2			
FH (60°-80°)	4910.6	27.5			G2/5000
FVH (80°-90°)	102.0	0.6			G2/225
BL (0°-30°)	668.2	3.7	B2/1000		
BM (30°-60°)	3244.7	18.2	B3/5000		
BH (60°-80°)	4910.6	27.5	B4/5000		G2/5000
BVH (80°-90°)	102.0	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°	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4
2.5°	1618.2	1622.8	1620.9	1617.2	1617.2	1614.5	1617.2	1619.1	1621.9	1623.7
5°	1596.8	1600.5	1599.6	1596.8	1597.8	1595.0	1596.8	1599.6	1601.5	1602.4
7.5°	1578.3	1582.0	1580.1	1575.5	1575.5	1572.7	1573.6	1576.4	1579.2	1580.1
10°	1573.6	1577.3	1571.8	1564.3	1561.6	1557.9	1558.8	1561.6	1567.1	1569.9
12.5°	1575.5	1578.3	1572.7	1561.6	1558.8	1555.1	1555.1	1557.9	1565.3	1569.0
15°	1581.1	1583.8	1575.5	1563.4	1560.6	1557.9	1556.9	1560.6	1569.0	1575.5
17.5°	1591.3	1594.0	1581.1	1564.3	1560.6	1561.6	1560.6	1563.4	1576.4	1588.5
20°	1600.5	1602.4	1584.8	1564.3	1560.6	1561.6	1560.6	1566.2	1582.9	1599.6
22.5°	1603.3	1605.2	1588.5	1570.8	1568.1	1569.0	1568.1	1573.6	1589.4	1606.1
25°	1604.2	1607.0	1594.0	1580.1	1584.8	1586.6	1584.8	1585.7	1597.8	1612.6
27.5°	1618.2	1621.9	1609.8	1597.8	1600.5	1599.6	1602.4	1605.2	1614.5	1629.3
30°	1646.9	1649.7	1639.5	1627.4	1625.6	1619.1	1627.4	1636.7	1646.9	1659.9
32.5°	1694.2	1699.8	1686.8	1673.8	1665.5	1661.8	1668.3	1684.0	1698.0	1711.9
35°	1773.1	1776.8	1764.8	1740.6	1725.8	1725.8	1731.4	1751.8	1774.0	1791.7
37.5°	1884.5	1889.1	1867.8	1839.0	1816.7	1816.7	1824.1	1845.5	1878.9	1903.9
40°	2019.9	2026.4	1999.5	1969.8	1948.5	1944.8	1954.0	1978.2	2009.7	2041.3
42.5°	2183.2	2190.6	2155.4	2129.4	2112.7	2112.7	2117.3	2139.6	2168.4	2207.3
45°	2392.0	2405.0	2356.7	2330.8	2315.0	2318.7	2321.5	2341.0	2366.9	2411.5
47.5°	2640.7	2653.6	2602.6	2575.7	2572.9	2590.5	2579.4	2593.3	2607.2	2658.3
50°	2922.7	2945.0	2909.7	2907.9	2913.4	2945.9	2919.9	2927.4	2911.6	2944.1
52.5°	3267.9	3300.4	3293.9	3305.0	3367.2	3434.0	3374.6	3348.6	3289.2	3299.4
55°	3686.3	3735.5	3744.8	3811.6	3952.6	4089.0	3962.8	3858.0	3731.8	3708.6
57.5°	4162.3	4201.3	4245.8	4382.2	4645.7	4887.9	4645.7	4413.8	4215.2	4167.9
60°	4674.5	4722.7	4765.4	4966.8	5358.3	5698.8	5350.9	4982.5	4720.0	4655.9
62.5°	5224.7	5286.9	5316.6	5540.2	5996.7	6403.1	6003.2	5556.9	5265.5	5196.9
65°	5752.6	5803.7	5837.1	6075.5	6511.6	6919.0	6541.3	6101.5	5801.8	5711.8
67.5°	5998.5	6026.4	6108.0	6378.0	6838.2	7303.1	6916.2	6406.8	6071.8	5914.1
70°	5638.5	5581.9	5778.6	6211.0	6877.2	7538.8	6966.3	6198.0	5787.9	5531.8
72.5°	4357.2	4259.7	4601.2	5340.7	6431.8	7388.4	6476.4	5382.4	4813.7	4294.1
75°	2370.6	2260.2	2731.6	3666.8	5129.1	6404.0	5247.0	3771.7	3041.5	2353.0
77.5°	669.0	627.2	1007.6	1774.0	3085.1	4496.3	3203.9	1813.0	1195.1	708.9
80°	205.1	198.6	269.1	534.4	1310.1	2153.5	1259.1	540.9	342.4	216.2
82.5°	121.5	111.3	133.6	194.8	334.0	676.4	324.7	203.2	163.3	109.5
85°	69.6	64.9	78.9	94.6	112.3	143.8	93.7	96.5	87.2	58.5
87.5°	28.8	26.0	30.6	29.7	26.0	33.4	25.1	29.7	35.3	23.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1628.4
1622.8
1602.4
1580.1
1569.9
1569.9
1576.4
1588.5
1600.5
1606.1
1611.7
1625.6
1657.1
1706.3
1785.2
1894.7
2031.1
2204.6
2409.6
2643.4
2924.6
3265.1
3672.4
4134.5
4600.3
5141.2
5667.3
5915.9
5593.1
4423.0
2506.1
787.7
228.3
118.8
61.2
21.3
0.0

OF REPORT)