

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: P848481

Luminaire Tested: **GLAN-SB5A-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848481  
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-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 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: 18275 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

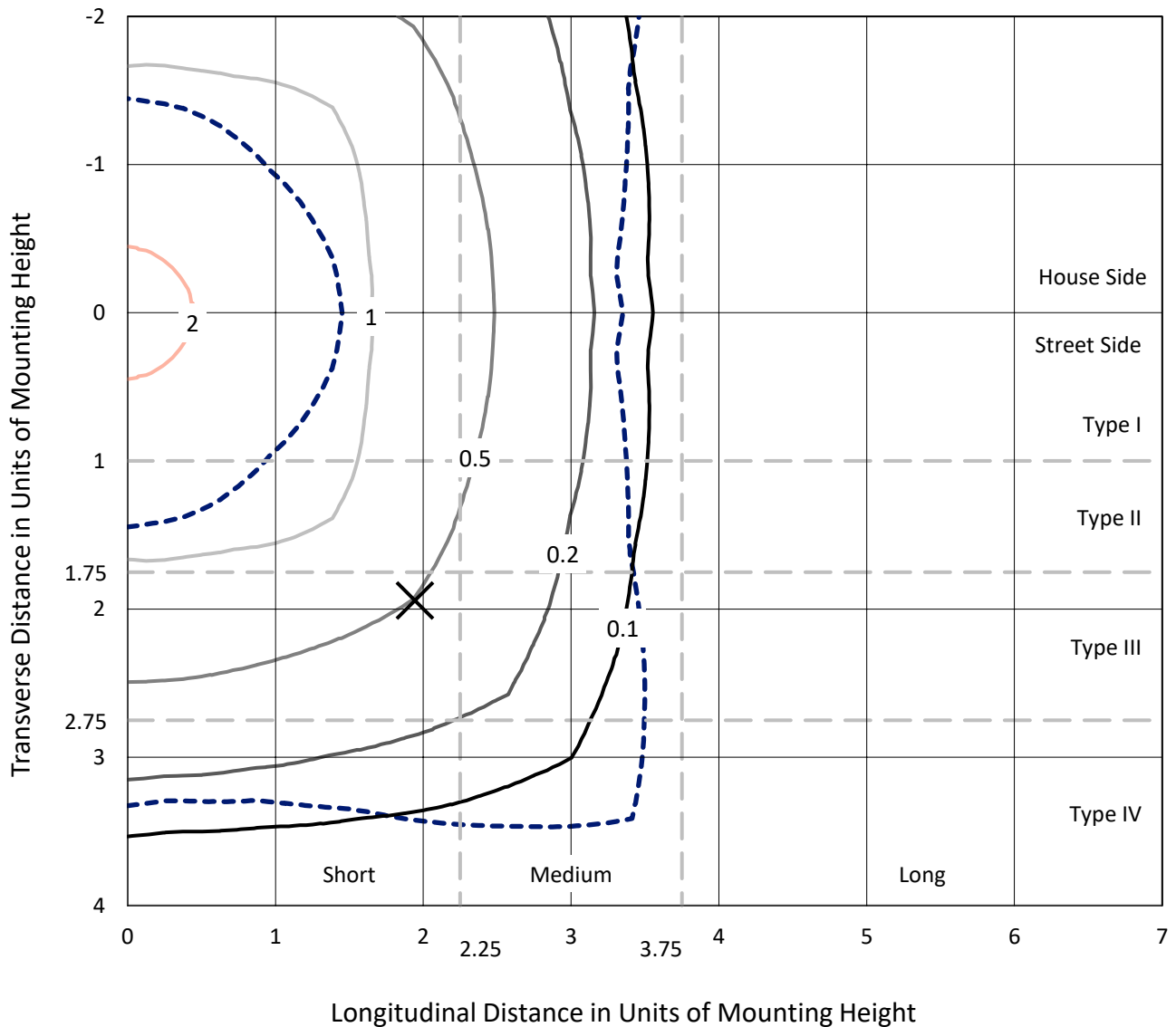
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

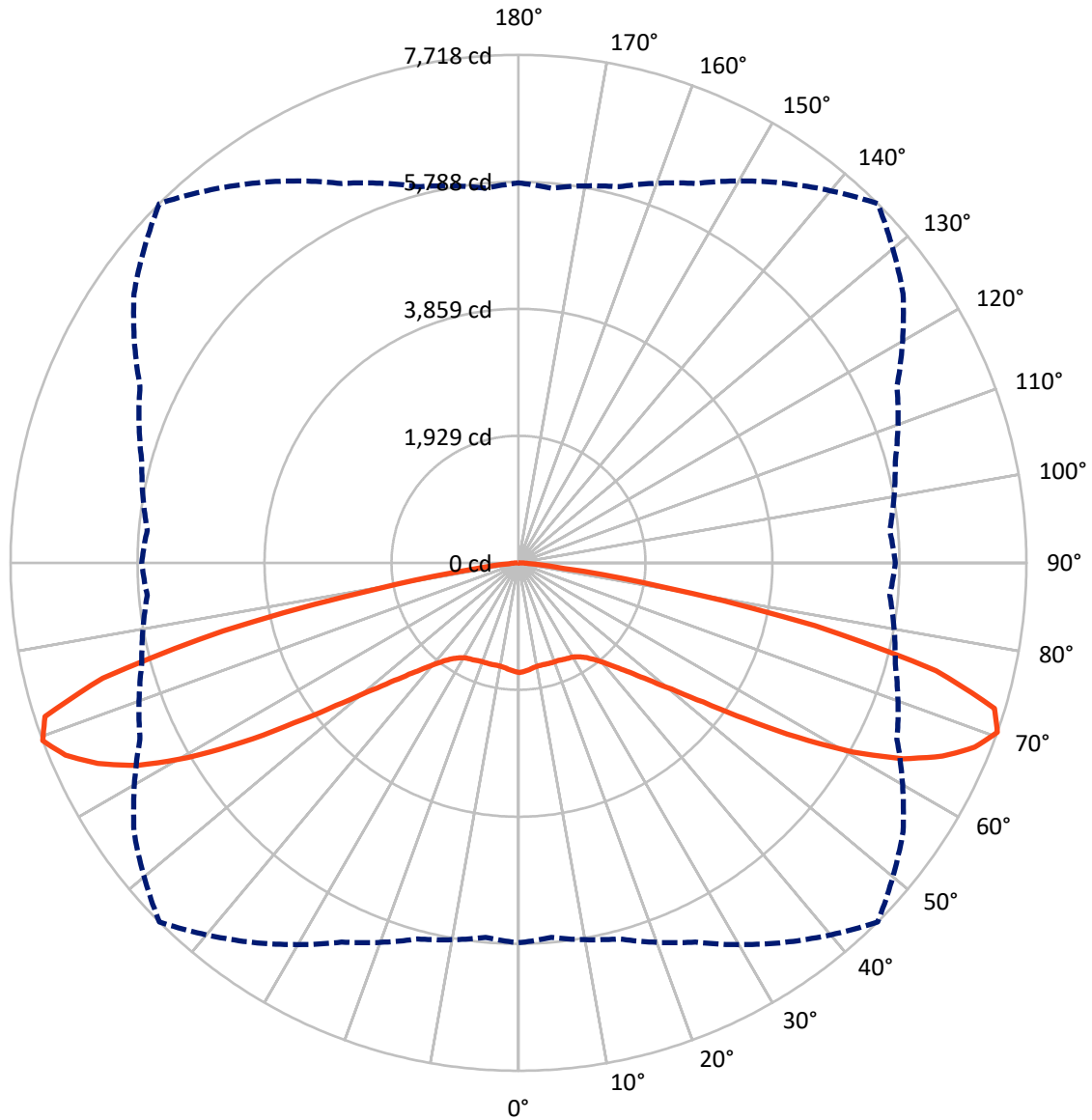
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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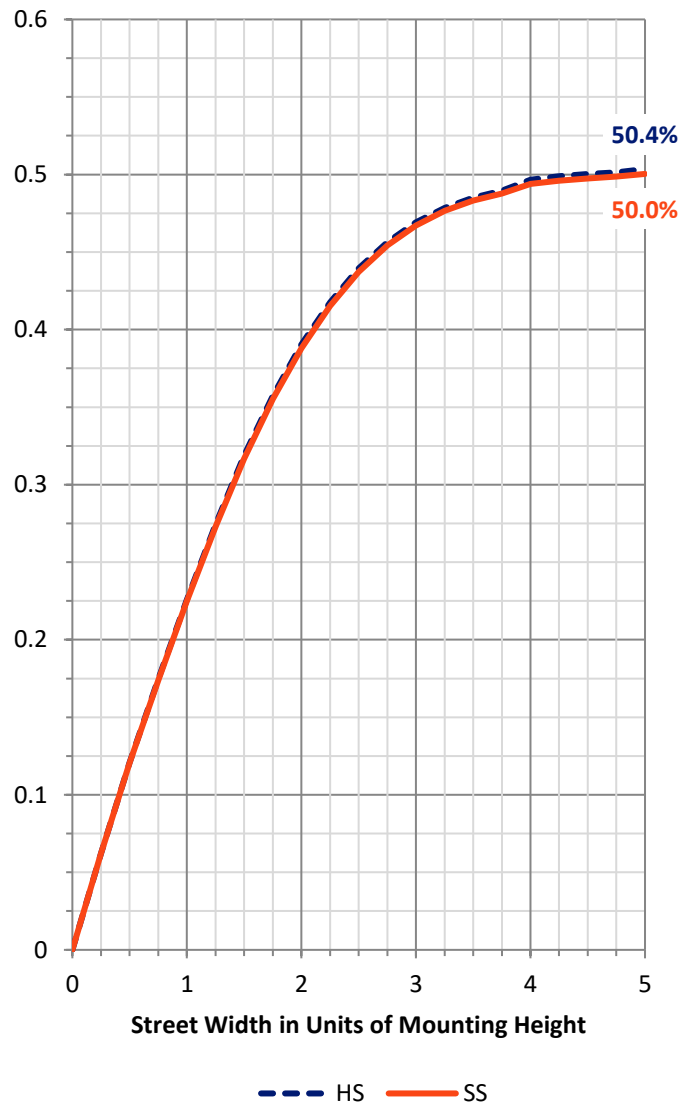
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9137.5	0.0	9137.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9137.5	0.0	9137.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18275.0	0.0	18275.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.1	0.8
10°-20°	455.3	2.5
20°-30°	757.8	4.1
30°-40°	1145.9	6.3
40°-50°	1904.3	10.4
50°-60°	3593.3	19.7
60°-70°	6067.5	33.2
70°-80°	3987.0	21.8
80°-90°	208.9	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°	18275.0	100.0
0°-180°	18275.0	100.0

**Coefficient of Utilization**



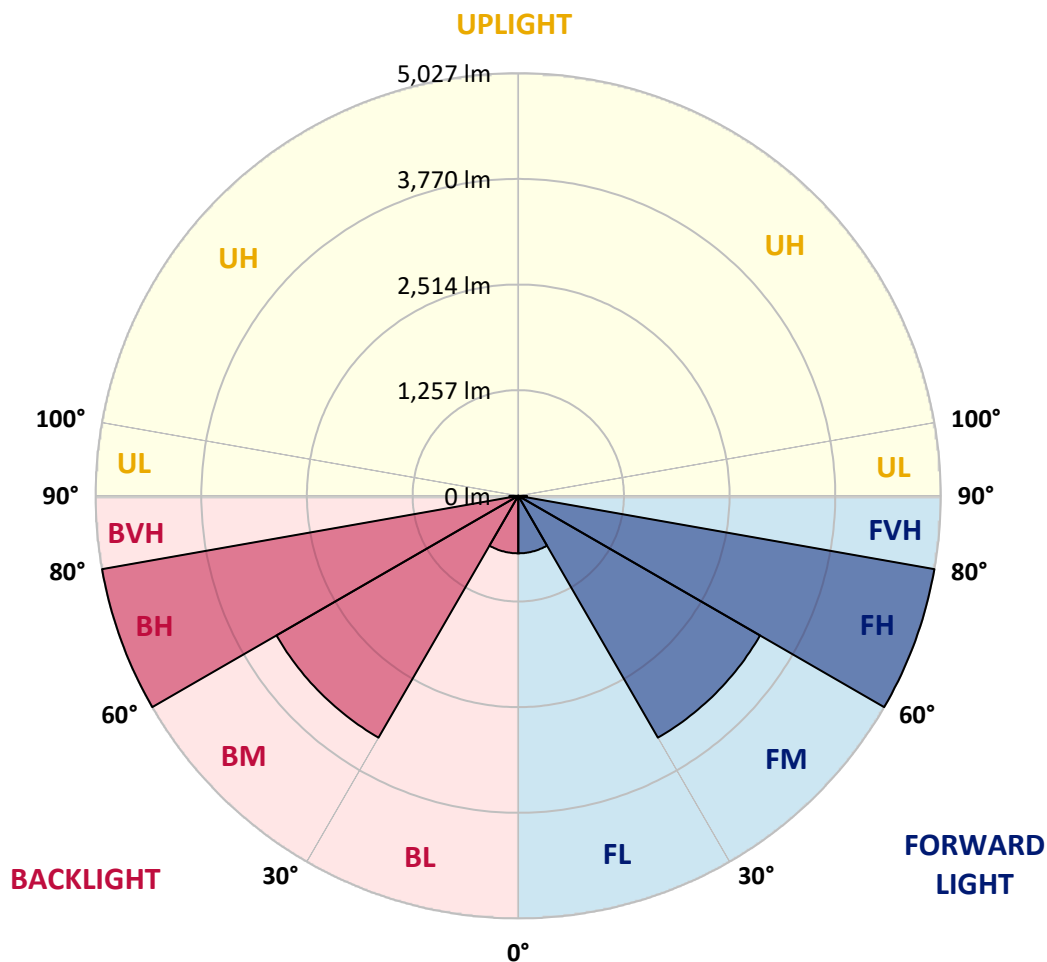
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	684.1	3.7			
FM (30°-60°)	3321.8	18.2			
FH (60°-80°)	5027.2	27.5			G3/7500
FVH (80°-90°)	104.4	0.6			G2/225
BL (0°-30°)	684.1	3.7	B2/1000		
BM (30°-60°)	3321.8	18.2	B3/5000		
BH (60°-80°)	5027.2	27.5	B5		G3/7500
BVH (80°-90°)	104.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1667.0	1667.0	1667.0	1667.0	1667.0	1667.0	1667.0	1667.0	1667.0	1667.0
2.5°	1656.6	1661.3	1659.4	1655.6	1655.6	1652.8	1655.6	1657.5	1660.4	1662.3
5°	1634.8	1638.6	1637.6	1634.8	1635.7	1632.9	1634.8	1637.6	1639.5	1640.5
7.5°	1615.8	1619.6	1617.7	1612.9	1612.9	1610.1	1611.0	1613.9	1616.7	1617.7
10°	1611.0	1614.8	1609.1	1601.5	1598.7	1594.9	1595.8	1598.7	1604.4	1607.2
12.5°	1612.9	1615.8	1610.1	1598.7	1595.8	1592.0	1592.0	1594.9	1602.5	1606.3
15°	1618.6	1621.5	1612.9	1600.6	1597.7	1594.9	1593.9	1597.7	1606.3	1612.9
17.5°	1629.1	1631.9	1618.6	1601.5	1597.7	1598.7	1597.7	1600.6	1613.9	1626.2
20°	1638.6	1640.5	1622.4	1601.5	1597.7	1598.7	1597.7	1603.4	1620.5	1637.6
22.5°	1641.4	1643.3	1626.2	1608.2	1605.3	1606.3	1605.3	1611.0	1627.2	1644.3
25°	1642.4	1645.2	1631.9	1617.7	1622.4	1624.3	1622.4	1623.4	1635.7	1650.9
27.5°	1656.6	1660.4	1648.1	1635.7	1638.6	1637.6	1640.5	1643.3	1652.8	1668.0
30°	1686.0	1688.9	1678.4	1666.1	1664.2	1657.5	1666.1	1675.6	1686.0	1699.3
32.5°	1734.5	1740.2	1726.9	1713.6	1705.0	1701.2	1707.9	1724.0	1738.3	1752.5
35°	1815.2	1819.0	1806.7	1782.0	1766.8	1766.8	1772.5	1793.4	1816.2	1834.2
37.5°	1929.2	1934.0	1912.1	1882.7	1859.9	1859.9	1867.5	1889.3	1923.5	1949.2
40°	2067.9	2074.5	2047.0	2016.6	1994.8	1991.0	2000.5	2025.2	2057.5	2089.7
42.5°	2235.1	2242.7	2206.6	2180.0	2162.9	2162.9	2167.6	2190.4	2219.9	2259.8
45°	2448.8	2462.1	2412.7	2386.1	2370.0	2373.8	2376.6	2396.6	2423.2	2468.8
47.5°	2703.4	2716.7	2664.4	2636.9	2634.0	2652.1	2640.7	2654.9	2669.2	2721.4
50°	2992.1	3014.9	2978.8	2976.9	2982.6	3015.9	2989.3	2996.9	2980.7	3014.0
52.5°	3345.5	3378.7	3372.1	3383.5	3447.1	3515.5	3454.7	3428.1	3367.3	3377.8
55°	3773.9	3824.2	3833.7	3902.1	4046.5	4186.1	4057.0	3949.6	3820.4	3796.7
57.5°	4261.2	4301.1	4346.7	4486.3	4756.1	5004.0	4756.1	4518.6	4315.3	4266.9
60°	4785.5	4834.9	4878.6	5084.7	5485.6	5834.2	5478.0	5100.9	4832.1	4766.5
62.5°	5348.8	5412.4	5442.8	5671.8	6139.1	6555.2	6145.8	5688.9	5390.6	5320.3
65°	5889.3	5941.5	5975.7	6219.8	6666.3	7083.3	6696.7	6246.4	5939.6	5847.5
67.5°	6141.0	6169.5	6253.1	6529.5	7000.7	7476.5	7080.4	6559.0	6216.0	6054.6
70°	5772.5	5714.5	5915.9	6358.5	7040.5	7717.8	7131.7	6345.2	5925.4	5663.2
72.5°	4460.7	4360.9	4710.5	5467.5	6584.6	7563.9	6630.2	5510.3	4928.0	4396.1
75°	2427.0	2313.9	2796.5	3753.9	5251.0	6556.1	5371.6	3861.3	3113.7	2408.9
77.5°	684.9	642.1	1031.6	1816.2	3158.4	4603.1	3280.0	1856.1	1223.5	725.7
80°	209.9	203.3	275.5	547.1	1341.2	2204.7	1289.0	553.8	350.5	221.3
82.5°	124.4	114.0	136.8	199.5	342.0	692.5	332.5	208.0	167.2	112.1
85°	71.2	66.5	80.7	96.9	114.9	147.2	95.9	98.8	89.3	59.8
87.5°	29.4	26.6	31.3	30.4	26.6	34.2	25.6	30.4	36.1	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1667.0
1661.3
1640.5
1617.7
1607.2
1607.2
1613.9
1626.2
1638.6
1644.3
1650.0
1664.2
1696.5
1746.8
1827.6
1939.7
2079.3
2256.9
2466.9
2706.2
2994.0
3342.6
3759.6
4232.7
4709.5
5263.3
5801.9
6056.5
5725.9
4528.1
2565.6
806.5
233.7
121.6
62.7
21.8
0.0

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