

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: P847971

Luminaire Tested: **GLAN-SB4B-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847971  
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-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18201 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

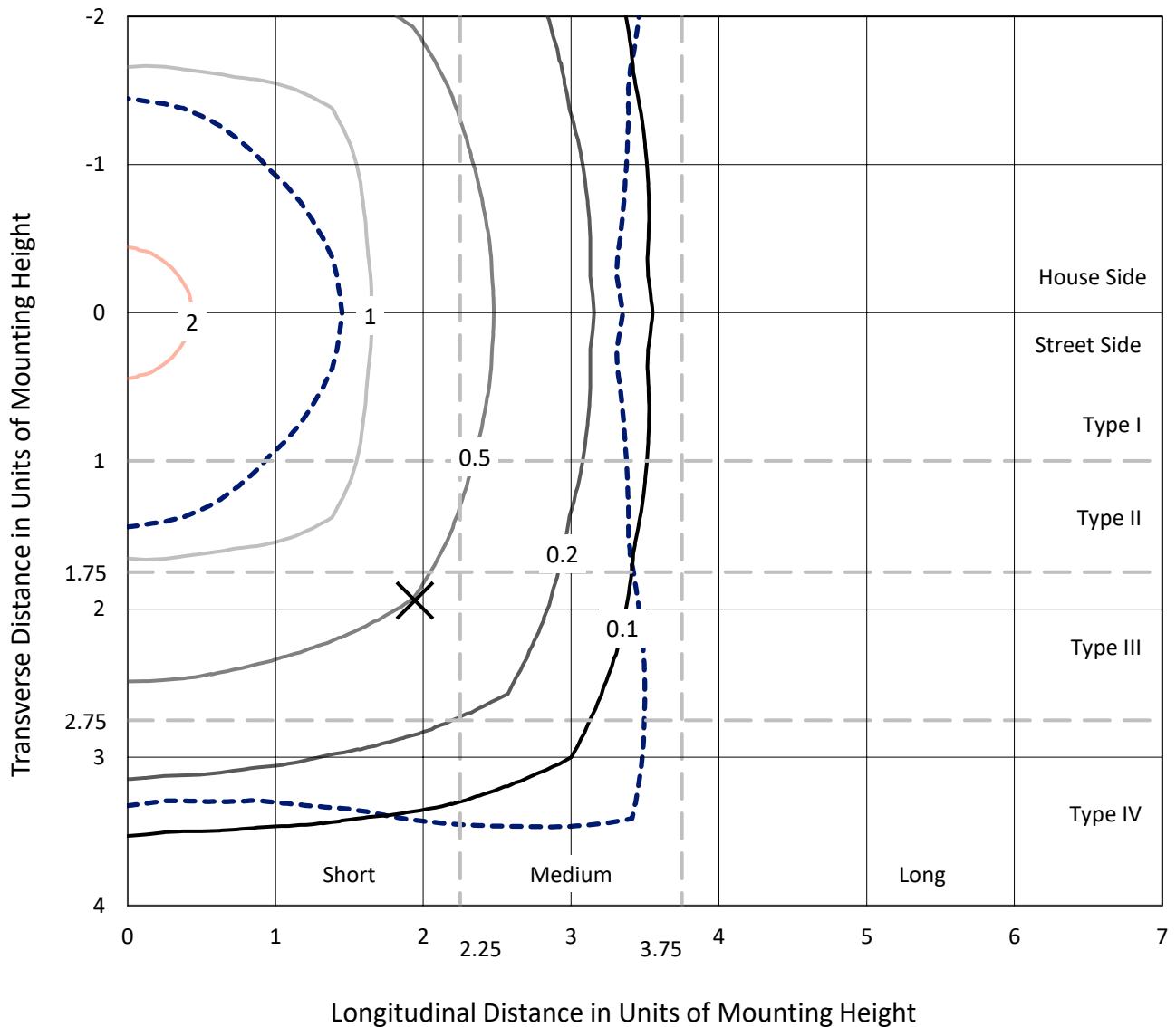
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

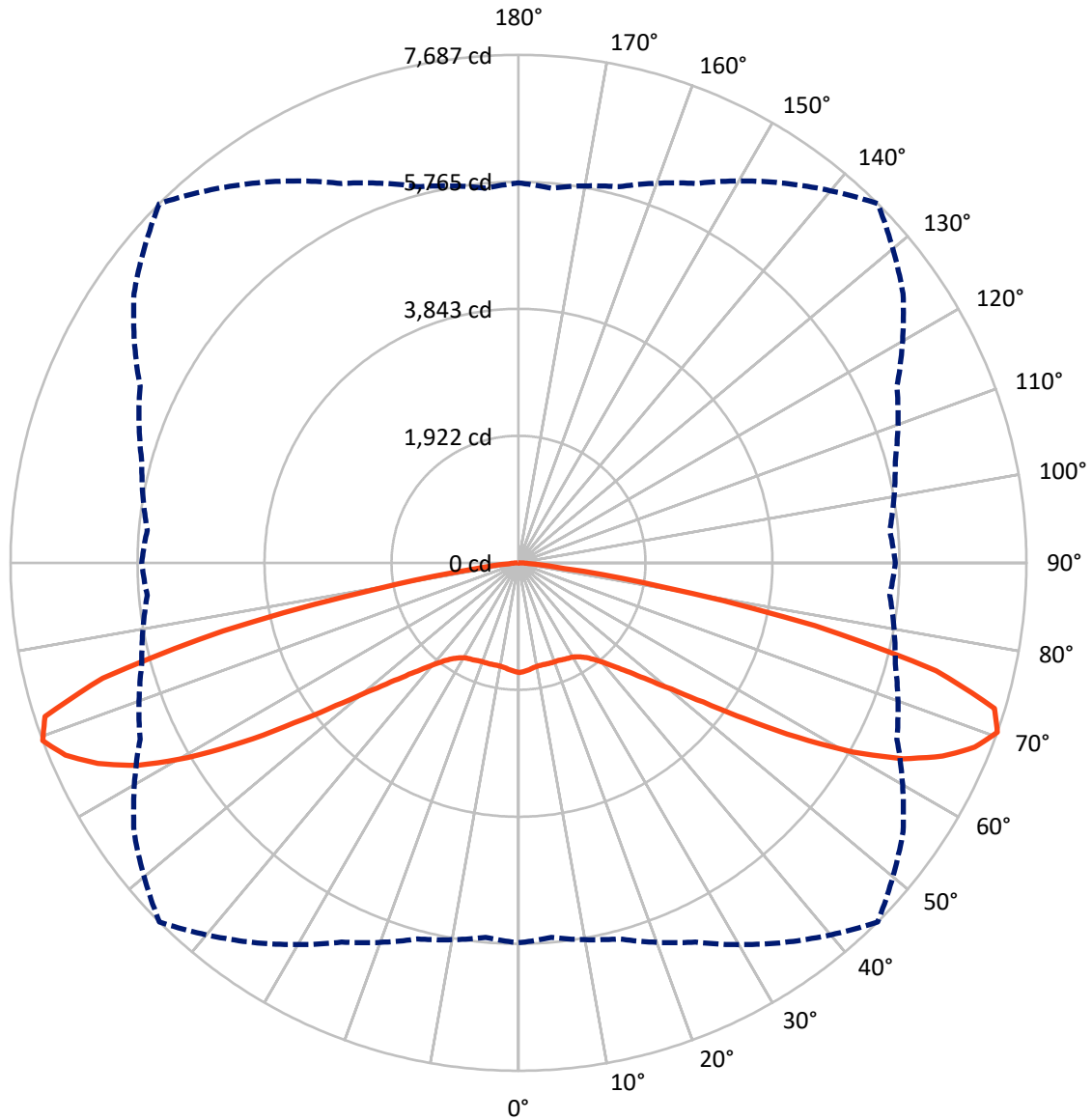
× Max cd  
 - - - 1/2 Max cd



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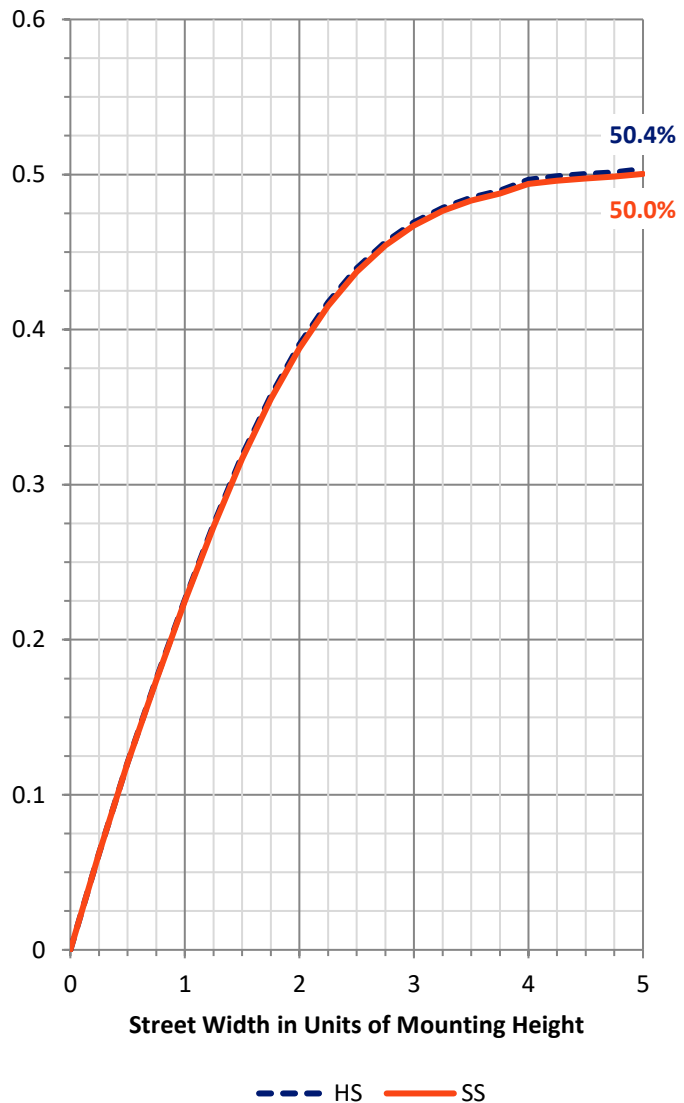
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9100.5	0.0	9100.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9100.5	0.0	9100.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18201.0	0.0	18201.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.4	0.8
10°-20°	453.5	2.5
20°-30°	754.7	4.1
30°-40°	1141.3	6.3
40°-50°	1896.6	10.4
50°-60°	3578.8	19.7
60°-70°	6042.9	33.2
70°-80°	3970.8	21.8
80°-90°	208.0	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°	18201.0	100.0
0°-180°	18201.0	100.0

**Coefficient of Utilization**



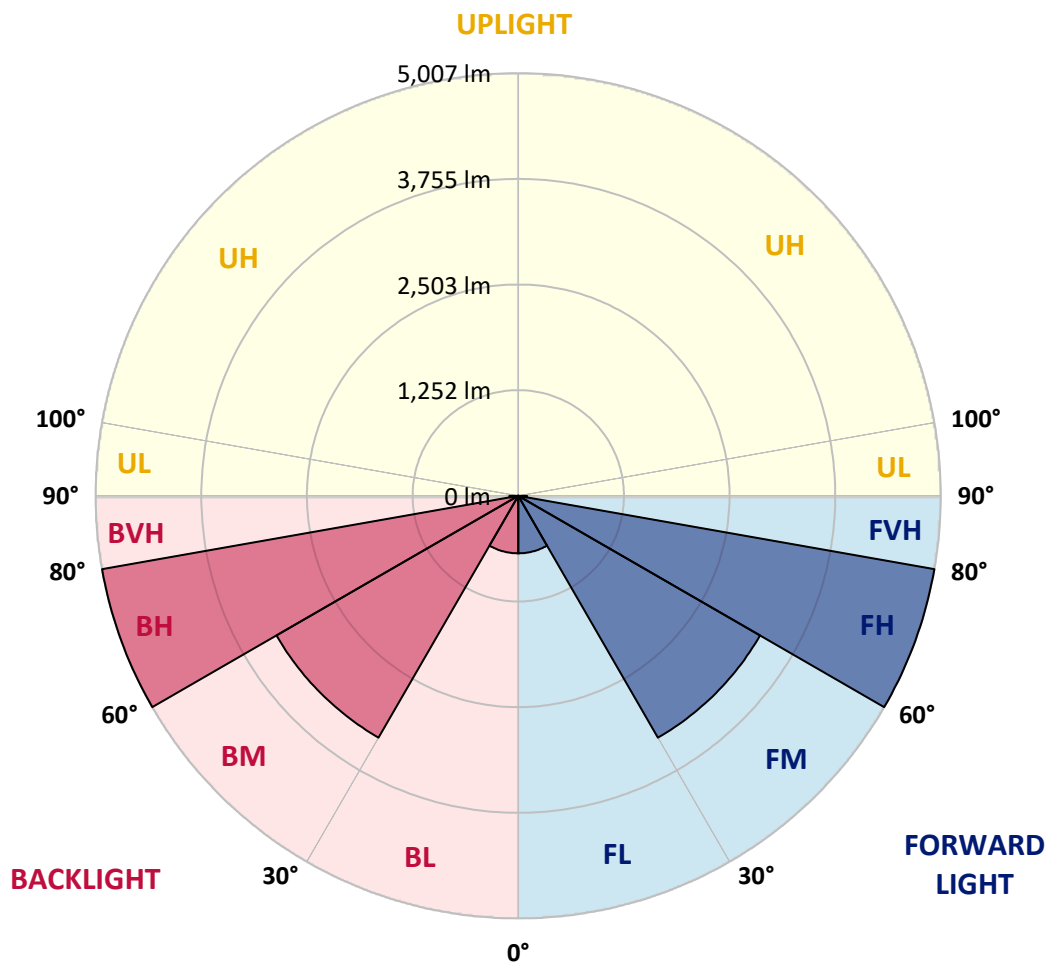
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	681.3	3.7			
FM (30°-60°)	3308.3	18.2			
FH (60°-80°)	5006.9	27.5			G3/7500
FVH (80°-90°)	104.0	0.6			G2/225
BL (0°-30°)	681.3	3.7	B2/1000		
BM (30°-60°)	3308.3	18.2	B3/5000		
BH (60°-80°)	5006.9	27.5	B5		G3/7500
BVH (80°-90°)	104.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3
2.5°	1649.9	1654.6	1652.7	1648.9	1648.9	1646.1	1648.9	1650.8	1653.7	1655.6
5°	1628.1	1631.9	1631.0	1628.1	1629.1	1626.2	1628.1	1631.0	1632.9	1633.8
7.5°	1609.2	1613.0	1611.1	1606.4	1606.4	1603.5	1604.5	1607.3	1610.2	1611.1
10°	1604.5	1608.3	1602.6	1595.0	1592.2	1588.4	1589.3	1592.2	1597.9	1600.7
12.5°	1606.4	1609.2	1603.5	1592.2	1589.3	1585.6	1585.6	1588.4	1596.0	1599.8
15°	1612.0	1614.9	1606.4	1594.1	1591.2	1588.4	1587.5	1591.2	1599.8	1606.4
17.5°	1622.5	1625.3	1612.0	1595.0	1591.2	1592.2	1591.2	1594.1	1607.3	1619.6
20°	1631.9	1633.8	1615.8	1595.0	1591.2	1592.2	1591.2	1596.9	1613.9	1631.0
22.5°	1634.8	1636.6	1619.6	1601.6	1598.8	1599.8	1598.8	1604.5	1620.6	1637.6
25°	1635.7	1638.5	1625.3	1611.1	1615.8	1617.7	1615.8	1616.8	1629.1	1644.2
27.5°	1649.9	1653.7	1641.4	1629.1	1631.9	1631.0	1633.8	1636.6	1646.1	1661.2
30°	1679.2	1682.1	1671.7	1659.4	1657.5	1650.8	1659.4	1668.8	1679.2	1692.5
32.5°	1727.5	1733.1	1719.9	1706.7	1698.1	1694.4	1701.0	1717.1	1731.3	1745.4
35°	1807.9	1811.7	1799.4	1774.8	1759.6	1759.6	1765.3	1786.1	1808.8	1826.8
37.5°	1921.4	1926.1	1904.4	1875.0	1852.3	1852.3	1859.9	1881.7	1915.7	1941.3
40°	2059.5	2066.1	2038.7	2008.4	1986.7	1982.9	1992.4	2017.0	2049.1	2081.3
42.5°	2226.0	2233.6	2197.6	2171.2	2154.1	2154.1	2158.9	2181.6	2210.9	2250.6
45°	2438.9	2452.1	2402.9	2376.4	2360.4	2364.2	2367.0	2386.9	2413.3	2458.8
47.5°	2692.4	2705.7	2653.6	2626.2	2623.4	2641.3	2630.0	2644.2	2658.4	2710.4
50°	2980.0	3002.7	2966.8	2964.9	2970.6	3003.7	2977.2	2984.8	2968.7	3001.8
52.5°	3331.9	3365.1	3358.4	3369.8	3433.2	3501.3	3440.7	3414.3	3353.7	3364.1
55°	3758.6	3808.8	3818.2	3886.3	4030.1	4169.2	4040.5	3933.6	3805.0	3781.3
57.5°	4243.9	4283.7	4329.1	4468.1	4736.8	4983.7	4736.8	4500.3	4297.9	4249.6
60°	4766.1	4815.3	4858.9	5064.1	5463.4	5810.6	5455.8	5080.2	4812.5	4747.2
62.5°	5327.1	5390.5	5420.8	5648.8	6114.2	6528.6	6120.9	5665.8	5368.8	5298.8
65°	5865.4	5917.5	5951.5	6194.7	6639.3	7054.6	6669.6	6221.1	5915.6	5823.8
67.5°	6116.1	6144.5	6227.8	6503.1	6972.3	7446.3	7051.8	6532.4	6190.9	6030.0
70°	5749.1	5691.4	5891.9	6332.8	7012.0	7686.6	7102.9	6319.5	5901.4	5640.3
72.5°	4442.6	4343.3	4691.4	5445.4	6557.9	7533.3	6603.3	5488.0	4908.0	4378.3
75°	2417.1	2304.5	2785.1	3738.7	5229.7	6529.6	5349.8	3845.6	3101.1	2399.2
77.5°	682.1	639.5	1027.4	1808.8	3145.6	4584.5	3266.7	1848.6	1218.5	722.8
80°	209.1	202.5	274.4	544.9	1335.8	2195.8	1283.8	551.5	349.1	220.4
82.5°	123.9	113.5	136.2	198.7	340.6	689.7	331.1	207.2	166.5	111.6
85°	71.0	66.2	80.4	96.5	114.5	146.6	95.5	98.4	88.9	59.6
87.5°	29.3	26.5	31.2	30.3	26.5	34.1	25.5	30.3	35.9	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°
1660.3
1654.6
1633.8
1611.1
1600.7
1600.7
1607.3
1619.6
1631.9
1637.6
1643.3
1657.5
1689.6
1739.8
1820.2
1931.8
2070.9
2247.8
2456.9
2695.3
2981.9
3329.1
3744.4
4215.5
4690.5
5242.0
5778.4
6031.9
5702.7
4509.8
2555.3
803.2
232.7
121.1
62.4
21.8
0.0

OF REPORT)