

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: P848191

Luminaire Tested: **GLAN-SB4C-927-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848191  
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-SB4C-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19551 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

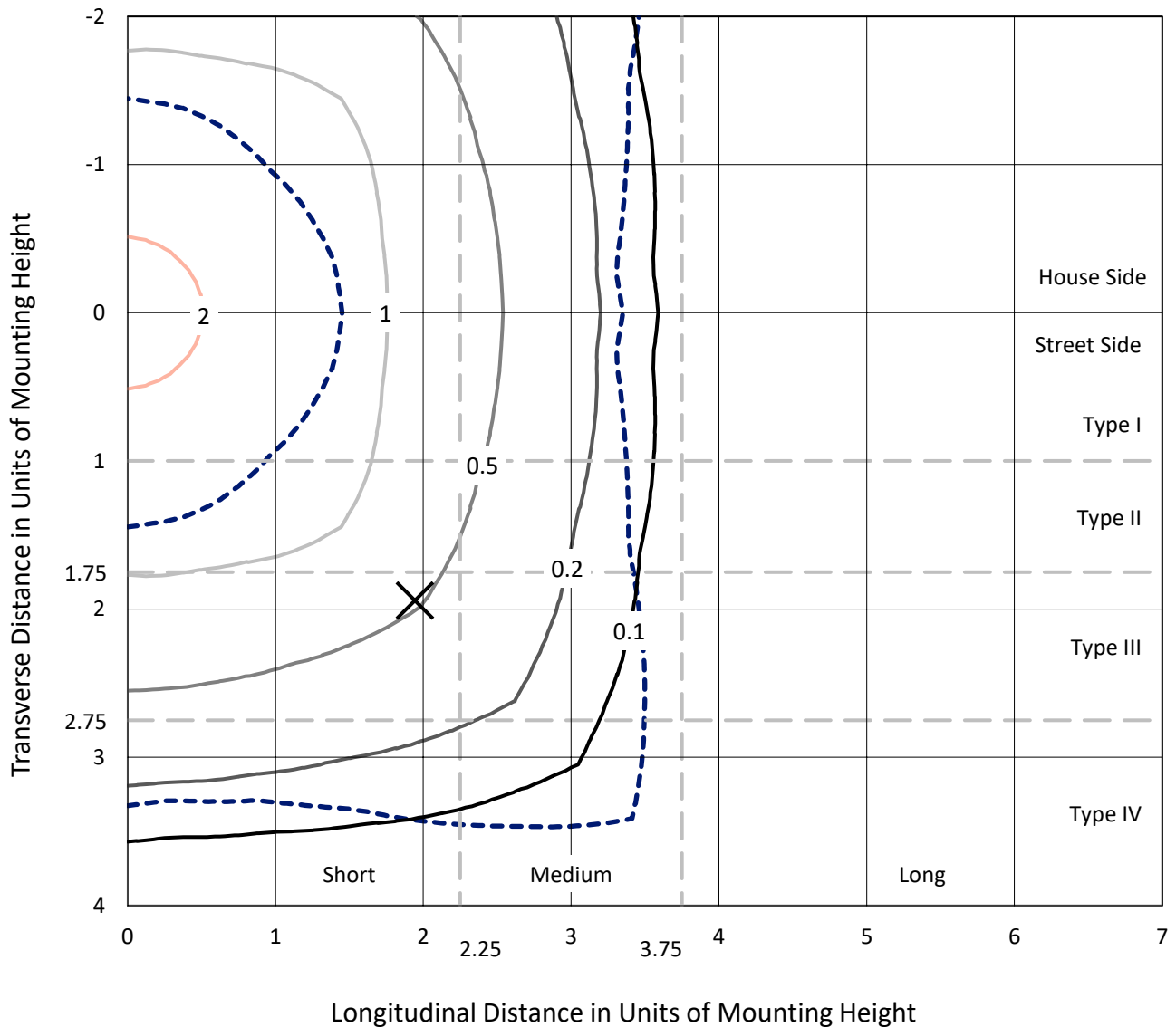
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

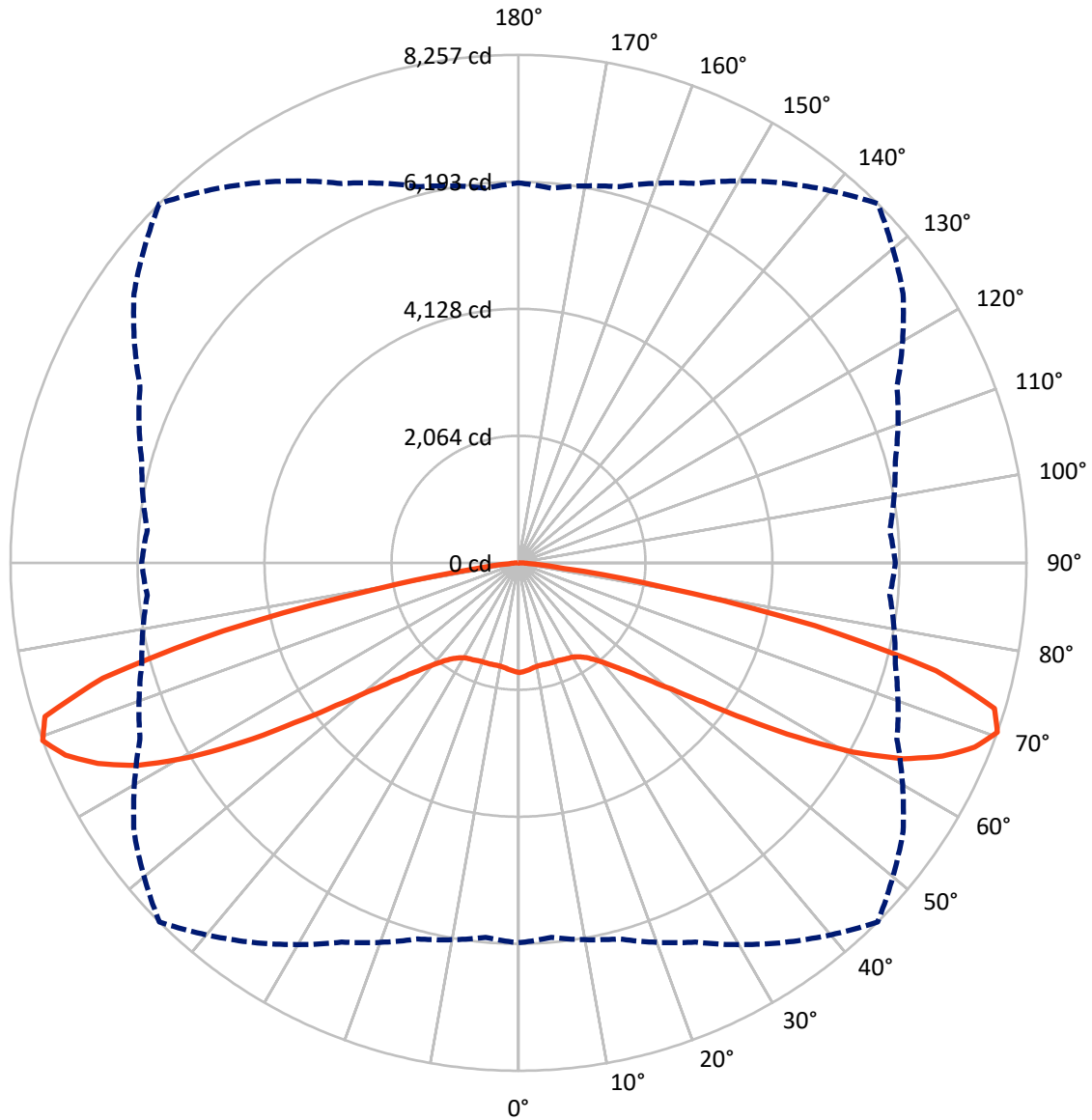
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	9775.5	0.0	9775.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9775.5	0.0	9775.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19551.0	0.0	19551.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.9	0.8
10°-20°	487.1	2.5
20°-30°	810.7	4.1
30°-40°	1225.9	6.3
40°-50°	2037.2	10.4
50°-60°	3844.2	19.7
60°-70°	6491.1	33.2
70°-80°	4265.3	21.8
80°-90°	223.5	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°	19551.0	100.0
0°-180°	19551.0	100.0

**Coefficient of Utilization**



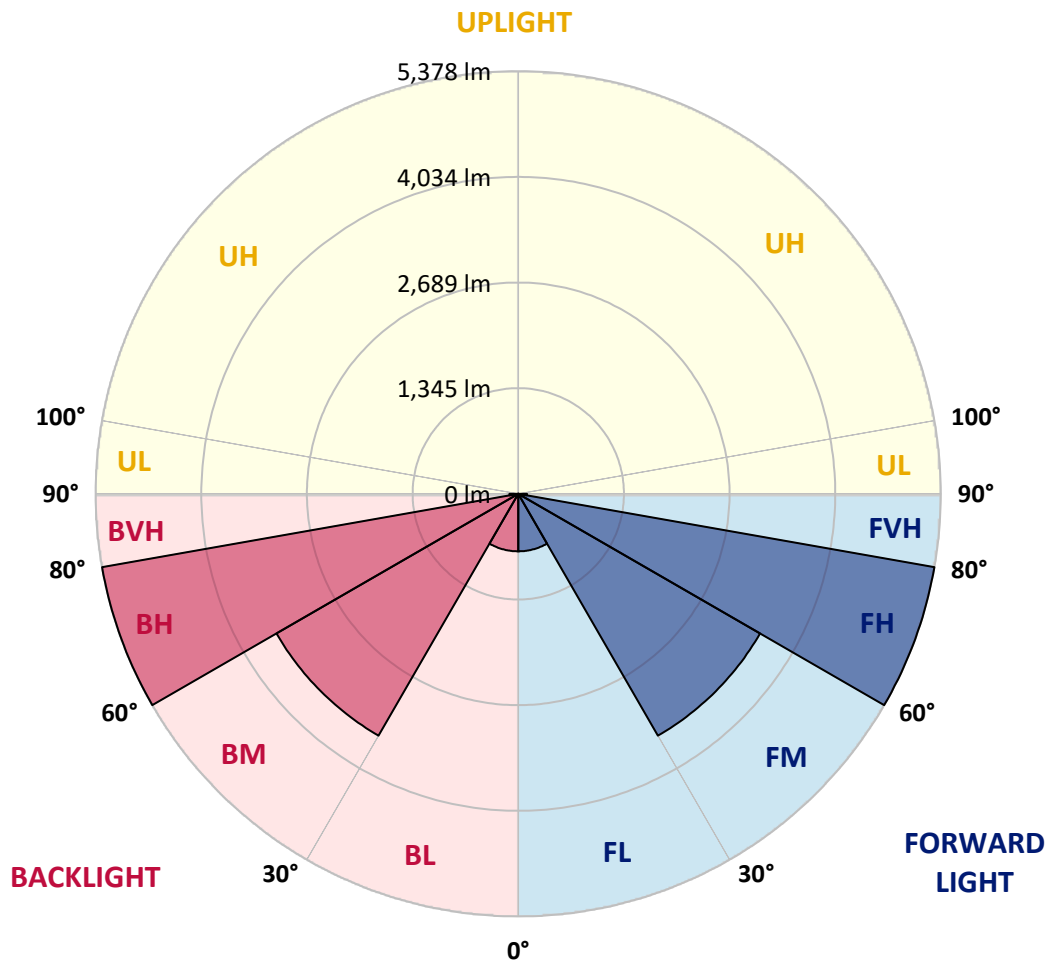
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	731.8	3.7			
FM (30°-60°)	3553.7	18.2			
FH (60°-80°)	5378.2	27.5			G3/7500
FVH (80°-90°)	111.7	0.6			G2/225
BL (0°-30°)	731.8	3.7	B2/1000		
BM (30°-60°)	3553.7	18.2	B3/5000		
BH (60°-80°)	5378.2	27.5	B5		G3/7500
BVH (80°-90°)	111.7	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°	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4
2.5°	1772.3	1777.3	1775.3	1771.3	1771.3	1768.2	1771.3	1773.3	1776.3	1778.4
5°	1748.9	1753.0	1751.9	1748.9	1749.9	1746.9	1748.9	1751.9	1754.0	1755.0
7.5°	1728.6	1732.6	1730.6	1725.5	1725.5	1722.5	1723.5	1726.5	1729.6	1730.6
10°	1723.5	1727.6	1721.5	1713.3	1710.3	1706.2	1707.2	1710.3	1716.4	1719.4
12.5°	1725.5	1728.6	1722.5	1710.3	1707.2	1703.2	1703.2	1706.2	1714.3	1718.4
15°	1731.6	1734.7	1725.5	1712.3	1709.3	1706.2	1705.2	1709.3	1718.4	1725.5
17.5°	1742.8	1745.8	1731.6	1713.3	1709.3	1710.3	1709.3	1712.3	1726.5	1739.7
20°	1753.0	1755.0	1735.7	1713.3	1709.3	1710.3	1709.3	1715.4	1733.7	1751.9
22.5°	1756.0	1758.0	1739.7	1720.4	1717.4	1718.4	1717.4	1723.5	1740.8	1759.1
25°	1757.0	1760.1	1745.8	1730.6	1735.7	1737.7	1735.7	1736.7	1749.9	1766.2
27.5°	1772.3	1776.3	1763.1	1749.9	1753.0	1751.9	1755.0	1758.0	1768.2	1784.5
30°	1803.8	1806.8	1795.6	1782.4	1780.4	1773.3	1782.4	1792.6	1803.8	1818.0
32.5°	1855.6	1861.7	1847.5	1833.2	1824.1	1820.0	1827.1	1844.4	1859.7	1874.9
35°	1942.0	1946.0	1932.8	1906.4	1890.1	1890.1	1896.2	1918.6	1943.0	1962.3
37.5°	2063.9	2069.0	2045.6	2014.1	1989.7	1989.7	1997.9	2021.2	2057.8	2085.3
40°	2212.3	2219.4	2189.9	2157.4	2134.0	2130.0	2140.1	2166.6	2201.1	2235.7
42.5°	2391.1	2399.3	2360.7	2332.2	2313.9	2313.9	2319.0	2343.4	2374.9	2417.6
45°	2619.8	2634.0	2581.2	2552.7	2535.4	2539.5	2542.6	2563.9	2592.3	2641.1
47.5°	2892.1	2906.4	2850.5	2821.0	2817.9	2837.3	2825.1	2840.3	2855.5	2911.4
50°	3201.1	3225.4	3186.8	3184.8	3190.9	3226.5	3198.0	3206.1	3188.9	3224.4
52.5°	3579.1	3614.7	3607.5	3619.7	3687.8	3761.0	3695.9	3667.5	3602.5	3613.6
55°	4037.4	4091.3	4101.4	4174.6	4329.0	4478.4	4340.2	4225.4	4087.2	4061.8
57.5°	4558.7	4601.4	4650.2	4799.5	5088.2	5353.4	5088.2	4834.1	4616.6	4564.8
60°	5119.7	5172.5	5219.2	5439.8	5868.6	6241.5	5860.5	5457.0	5169.4	5099.3
62.5°	5722.3	5790.4	5822.9	6067.8	6567.8	7012.9	6574.9	6086.1	5767.0	5691.8
65°	6300.5	6356.4	6393.0	6654.1	7131.7	7577.9	7164.3	6682.6	6354.3	6255.8
67.5°	6569.8	6600.3	6689.7	6985.4	7489.5	7998.6	7574.8	7016.9	6650.1	6477.3
70°	6175.5	6113.5	6328.9	6802.5	7532.1	8256.7	7629.7	6788.3	6339.1	6058.6
72.5°	4772.1	4665.4	5039.4	5849.3	7044.4	8092.1	7093.1	5895.0	5272.1	4703.0
75°	2596.4	2475.5	2991.7	4016.1	5617.6	7013.9	5746.7	4130.9	3331.1	2577.1
77.5°	732.7	687.0	1103.6	1943.0	3378.9	4924.5	3509.0	1985.7	1308.9	776.4
80°	224.6	217.5	294.7	585.3	1434.9	2358.6	1379.0	592.4	375.0	236.8
82.5°	133.1	121.9	146.3	213.4	365.8	740.8	355.7	222.5	178.9	119.9
85°	76.2	71.1	86.4	103.7	123.0	157.5	102.6	105.7	95.5	64.0
87.5°	31.5	28.5	33.5	32.5	28.5	36.6	27.4	32.5	38.6	25.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1783.4
1777.3
1755.0
1730.6
1719.4
1719.4
1726.5
1739.7
1753.0
1759.1
1765.2
1780.4
1814.9
1868.8
1955.2
2075.1
2224.5
2414.5
2639.1
2895.2
3203.1
3576.0
4022.2
4528.2
5038.4
5630.8
6207.0
6479.3
6125.7
4844.3
2744.8
862.8
250.0
130.1
67.1
23.4
0.0

OF REPORT)