

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: P848201

Luminaire Tested: **GLAN-SB4C-930-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848201  
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-930-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20482 lumens  
Efficiency: N/A  
Efficacy: 102.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

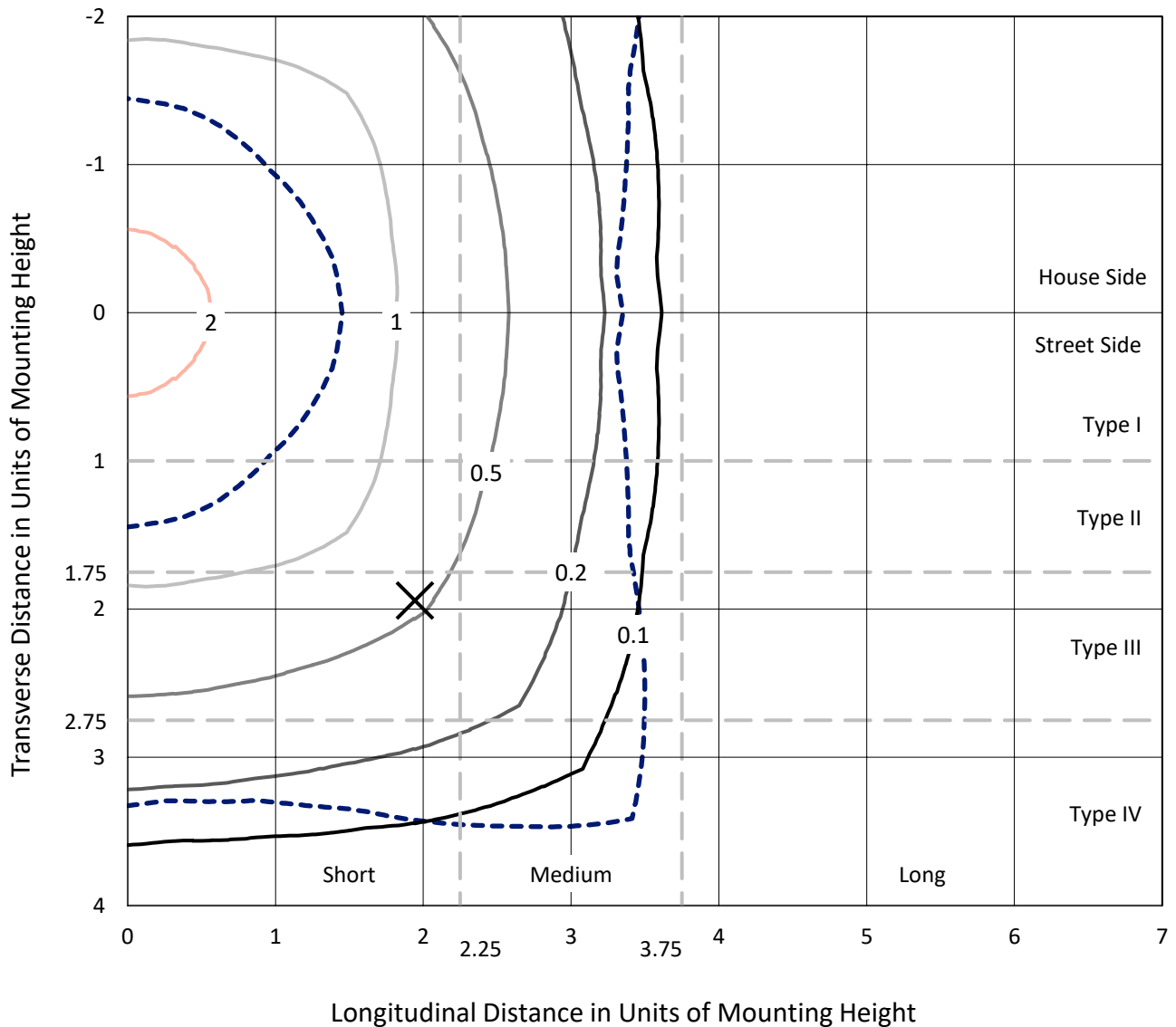
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

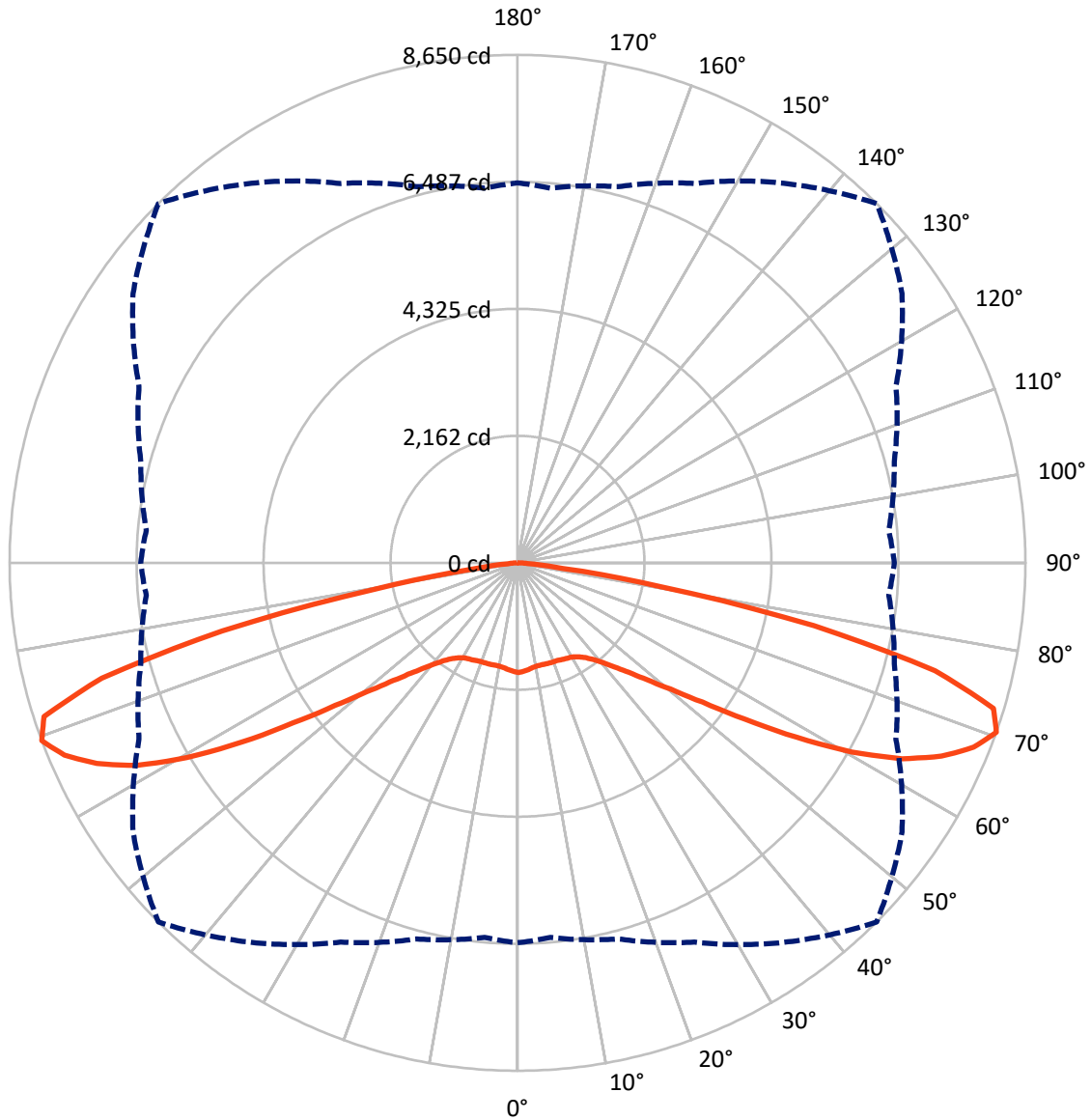
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	10241.0	0.0	10241.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10241.0	0.0	10241.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20482.0	0.0	20482.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.8	0.8
10°-20°	510.3	2.5
20°-30°	849.3	4.1
30°-40°	1284.3	6.3
40°-50°	2134.3	10.4
50°-60°	4027.3	19.7
60°-70°	6800.2	33.2
70°-80°	4468.4	21.8
80°-90°	234.1	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°	20482.0	100.0
0°-180°	20482.0	100.0

**Coefficient of Utilization**



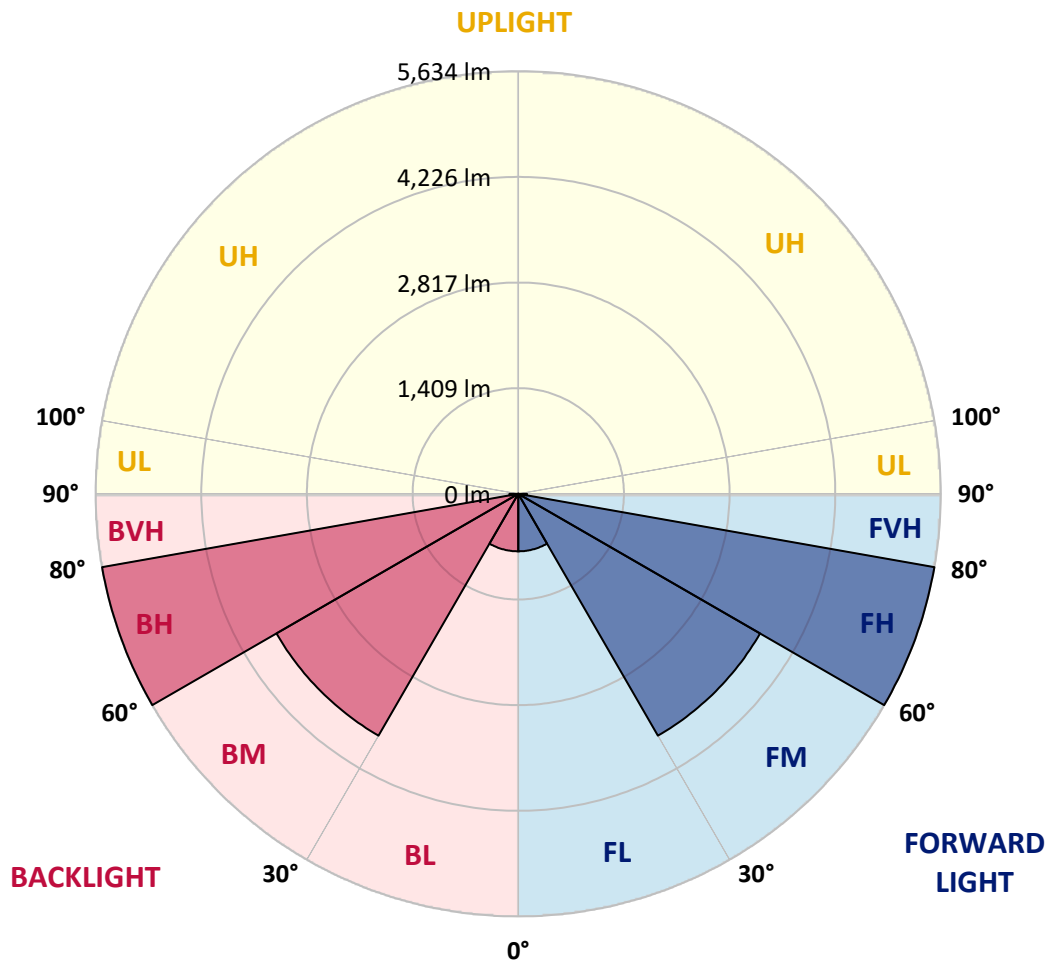
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	766.7	3.7			
FM (30°-60°)	3722.9	18.2			
FH (60°-80°)	5634.3	27.5			G3/7500
FVH (80°-90°)	117.1	0.6			G2/225
BL (0°-30°)	766.7	3.7	B2/1000		
BM (30°-60°)	3722.9	18.2	B3/5000		
BH (60°-80°)	5634.3	27.5	B5		G3/7500
BVH (80°-90°)	117.1	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°	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4
2.5°	1856.7	1862.0	1859.9	1855.6	1855.6	1852.4	1855.6	1857.7	1860.9	1863.0
5°	1832.2	1836.4	1835.4	1832.2	1833.2	1830.0	1832.2	1835.4	1837.5	1838.6
7.5°	1810.9	1815.1	1813.0	1807.7	1807.7	1804.5	1805.6	1808.8	1811.9	1813.0
10°	1805.6	1809.8	1803.4	1794.9	1791.7	1787.5	1788.5	1791.7	1798.1	1801.3
12.5°	1807.7	1810.9	1804.5	1791.7	1788.5	1784.3	1784.3	1787.5	1796.0	1800.2
15°	1814.1	1817.3	1807.7	1793.8	1790.7	1787.5	1786.4	1790.7	1800.2	1807.7
17.5°	1825.8	1829.0	1814.1	1794.9	1790.7	1791.7	1790.7	1793.8	1808.8	1822.6
20°	1836.4	1838.6	1818.3	1794.9	1790.7	1791.7	1790.7	1797.0	1816.2	1835.4
22.5°	1839.6	1841.8	1822.6	1802.4	1799.2	1800.2	1799.2	1805.6	1823.7	1842.8
25°	1840.7	1843.9	1829.0	1813.0	1818.3	1820.5	1818.3	1819.4	1833.2	1850.3
27.5°	1856.7	1860.9	1847.1	1833.2	1836.4	1835.4	1838.6	1841.8	1852.4	1869.4
30°	1889.7	1892.9	1881.1	1867.3	1865.2	1857.7	1867.3	1878.0	1889.7	1904.6
32.5°	1944.0	1950.3	1935.4	1920.5	1911.0	1906.7	1914.1	1932.2	1948.2	1964.2
35°	2034.4	2038.7	2024.9	1997.2	1980.2	1980.2	1986.5	2010.0	2035.5	2055.7
37.5°	2162.2	2167.5	2143.0	2110.0	2084.5	2084.5	2093.0	2117.5	2155.8	2184.6
40°	2317.6	2325.1	2294.2	2260.1	2235.7	2231.4	2242.0	2269.7	2305.9	2342.1
42.5°	2505.0	2513.5	2473.1	2443.3	2424.1	2424.1	2429.4	2455.0	2488.0	2532.7
45°	2744.5	2759.4	2704.1	2674.3	2656.2	2660.4	2663.6	2686.0	2715.8	2766.9
47.5°	3029.8	3044.8	2986.2	2955.3	2952.1	2972.4	2959.6	2975.6	2991.5	3050.1
50°	3353.5	3379.0	3338.6	3336.5	3342.8	3380.1	3350.3	3358.8	3340.7	3378.0
52.5°	3749.5	3786.8	3779.3	3792.1	3863.4	3940.1	3871.9	3842.1	3774.0	3785.7
55°	4229.7	4286.1	4296.7	4373.4	4535.2	4691.7	4546.9	4426.6	4281.8	4255.2
57.5°	4775.8	4820.5	4871.6	5028.1	5330.4	5608.3	5330.4	5064.3	4836.5	4782.2
60°	5363.4	5418.8	5467.8	5698.8	6148.1	6538.8	6139.5	5716.9	5415.6	5342.2
62.5°	5994.8	6066.1	6100.2	6356.7	6880.5	7346.8	6888.0	6375.9	6041.6	5962.8
65°	6600.5	6659.1	6697.4	6971.0	7471.4	7938.7	7505.4	7000.8	6656.9	6553.7
67.5°	6882.6	6914.6	7008.3	7318.1	7846.1	8379.5	7935.5	7351.1	6966.7	6785.8
70°	6469.6	6404.6	6630.3	7126.4	7890.8	8649.9	7993.0	7111.5	6641.0	6347.1
72.5°	4999.4	4887.6	5279.3	6127.8	7379.8	8477.4	7430.9	6175.7	5523.1	4927.0
75°	2720.0	2593.4	3134.2	4207.3	5885.1	7347.9	6020.3	4327.6	3489.8	2699.8
77.5°	767.6	719.7	1156.2	2035.5	3539.8	5159.0	3676.1	2080.2	1371.2	813.4
80°	235.3	227.8	308.7	613.2	1503.2	2470.9	1444.7	620.7	392.8	248.1
82.5°	139.5	127.8	153.3	223.6	383.3	776.1	372.6	233.1	187.4	125.6
85°	79.8	74.5	90.5	108.6	128.8	165.0	107.5	110.7	100.1	67.1
87.5°	33.0	29.8	35.1	34.1	29.8	38.3	28.7	34.1	40.5	26.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1868.4
1862.0
1838.6
1813.0
1801.3
1801.3
1808.8
1822.6
1836.4
1842.8
1849.2
1865.2
1901.4
1957.8
2048.3
2173.9
2330.4
2529.5
2764.8
3033.0
3355.6
3746.3
4213.7
4743.9
5278.3
5898.9
6502.6
6787.9
6417.4
5074.9
2875.5
903.8
261.9
136.3
70.3
24.5
0.0

OF REPORT)