

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: P847401

Luminaire Tested: **GLAN-SB3C-727-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847401  
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-SB3C-727-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 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: 20213 lumens  
Efficiency: N/A  
Efficacy: 135.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

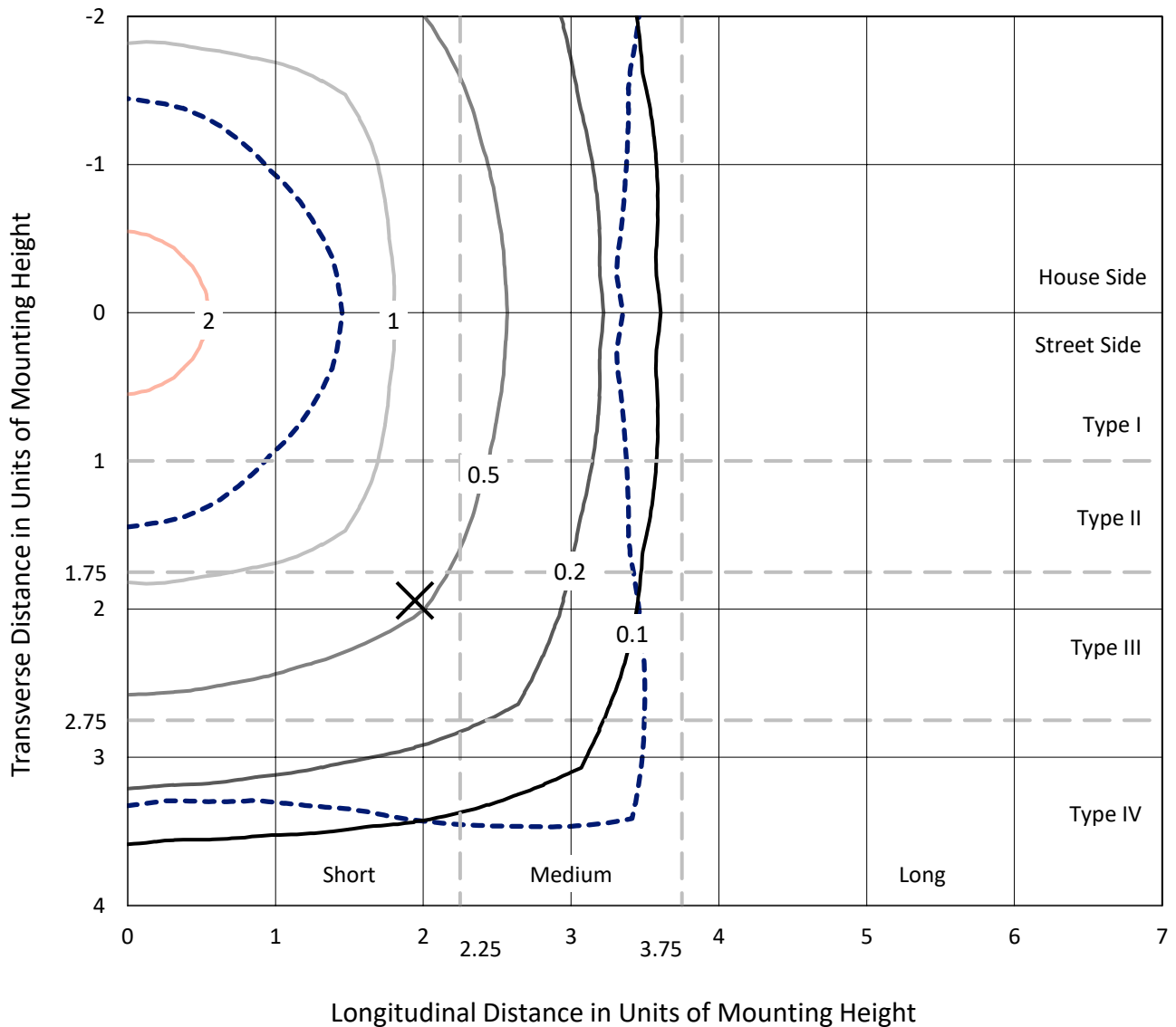
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

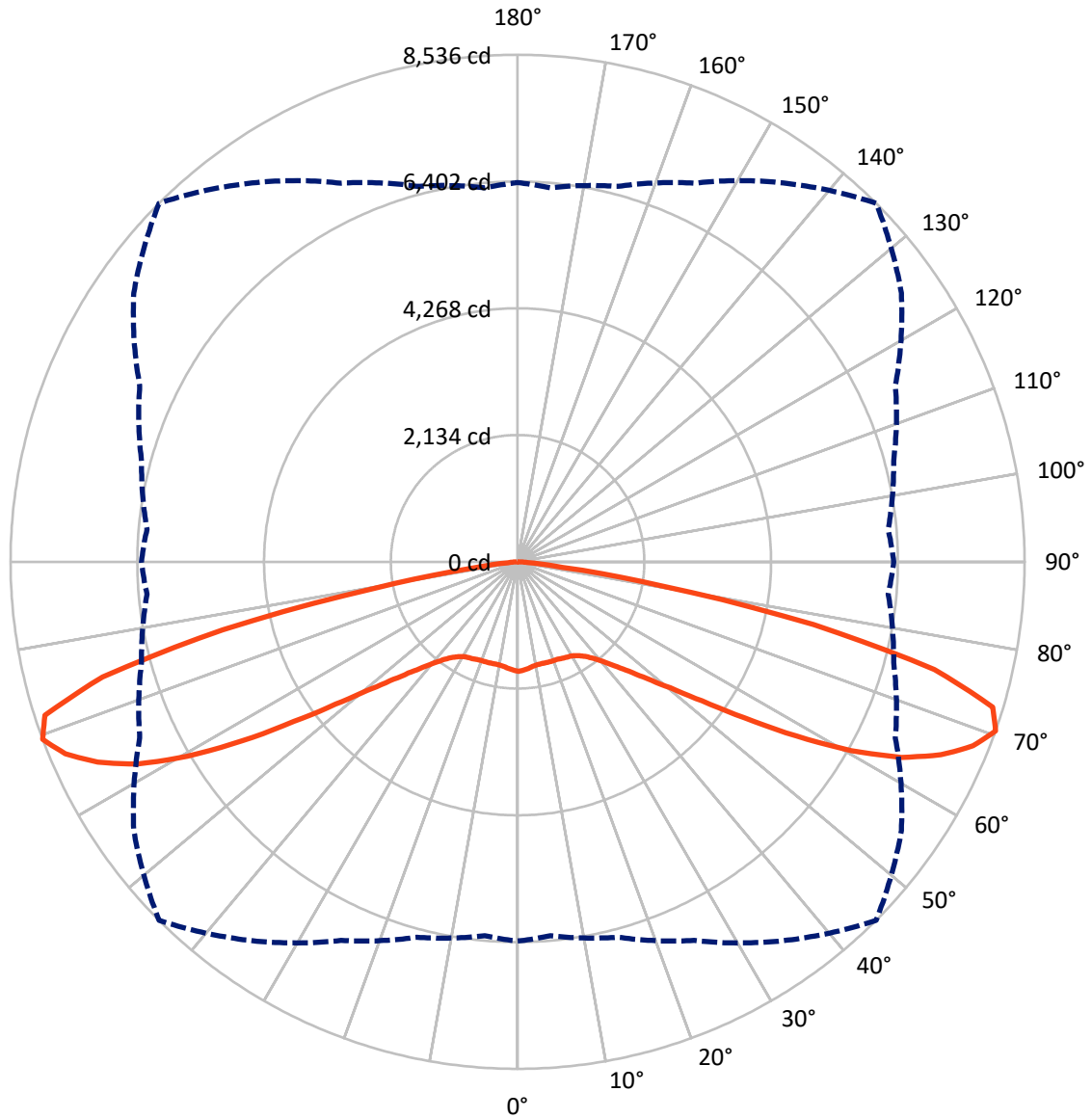
✕ Max cd  
 - - - 1/2 Max cd



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	10106.5	0.0	10106.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10106.5	0.0	10106.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20213.0	0.0	20213.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.5	0.8
10°-20°	503.6	2.5
20°-30°	838.1	4.1
30°-40°	1267.5	6.3
40°-50°	2106.2	10.4
50°-60°	3974.4	19.7
60°-70°	6710.9	33.2
70°-80°	4409.8	21.8
80°-90°	231.0	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°	20213.0	100.0
0°-180°	20213.0	100.0

**Coefficient of Utilization**



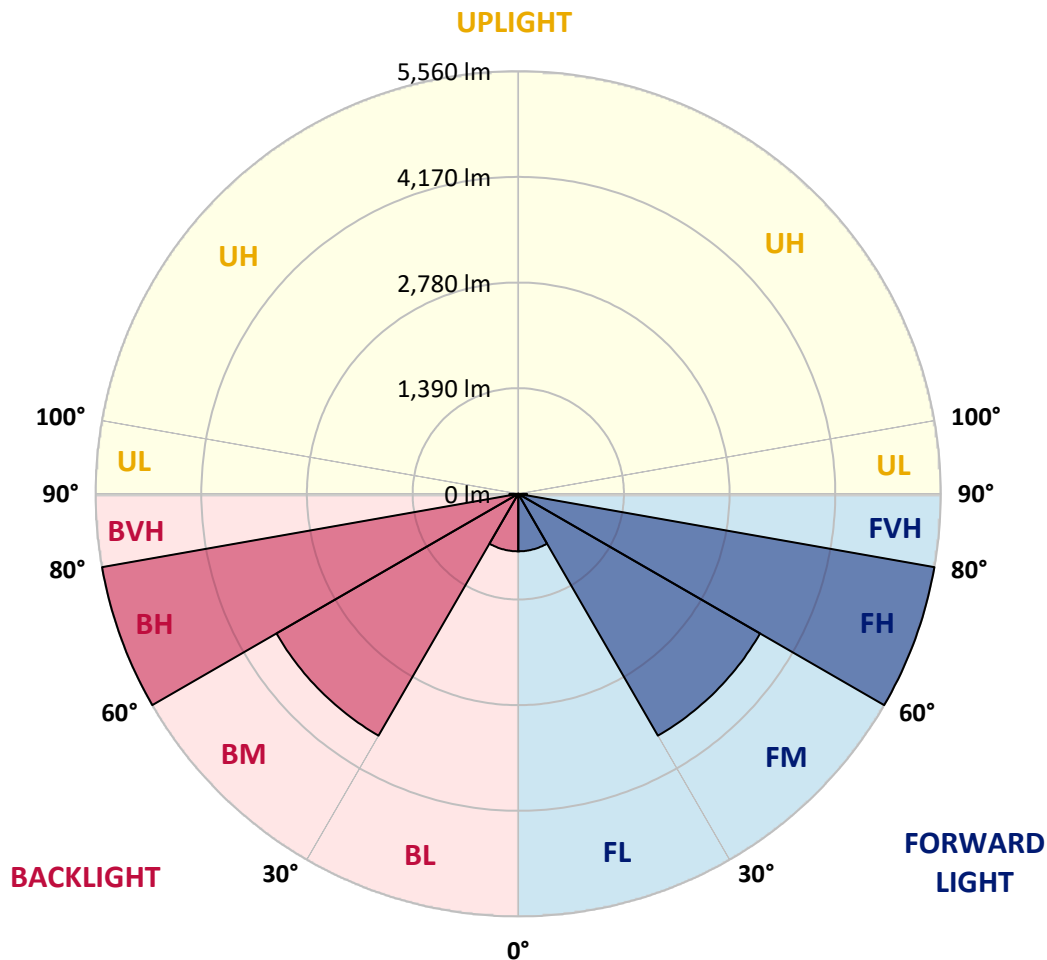
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	756.6	3.7			
FM (30°-60°)	3674.0	18.2			
FH (60°-80°)	5560.3	27.5			G3/7500
FVH (80°-90°)	115.5	0.6			G2/225
BL (0°-30°)	756.6	3.7	B2/1000		
BM (30°-60°)	3674.0	18.2	B3/5000		
BH (60°-80°)	5560.3	27.5	B5		G3/7500
BVH (80°-90°)	115.5	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°	1843.8	1843.8	1843.8	1843.8	1843.8	1843.8	1843.8	1843.8	1843.8	1843.8
2.5°	1832.3	1837.5	1835.4	1831.2	1831.2	1828.1	1831.2	1833.3	1836.5	1838.6
5°	1808.1	1812.3	1811.3	1808.1	1809.2	1806.0	1808.1	1811.3	1813.4	1814.4
7.5°	1787.1	1791.3	1789.2	1783.9	1783.9	1780.8	1781.8	1785.0	1788.1	1789.2
10°	1781.8	1786.0	1779.7	1771.3	1768.2	1764.0	1765.0	1768.2	1774.5	1777.6
12.5°	1783.9	1787.1	1780.8	1768.2	1765.0	1760.8	1760.8	1764.0	1772.4	1776.6
15°	1790.3	1793.4	1783.9	1770.3	1767.1	1764.0	1762.9	1767.1	1776.6	1783.9
17.5°	1801.8	1805.0	1790.3	1771.3	1767.1	1768.2	1767.1	1770.3	1785.0	1798.7
20°	1812.3	1814.4	1794.5	1771.3	1767.1	1768.2	1767.1	1773.4	1792.4	1811.3
22.5°	1815.5	1817.6	1798.7	1778.7	1775.5	1776.6	1775.5	1781.8	1799.7	1818.6
25°	1816.5	1819.7	1805.0	1789.2	1794.5	1796.6	1794.5	1795.5	1809.2	1826.0
27.5°	1832.3	1836.5	1822.8	1809.2	1812.3	1811.3	1814.4	1817.6	1828.1	1844.9
30°	1864.8	1868.0	1856.4	1842.8	1840.7	1833.3	1842.8	1853.3	1864.8	1879.6
32.5°	1918.4	1924.7	1910.0	1895.3	1885.9	1881.7	1889.0	1906.9	1922.6	1938.4
35°	2007.7	2011.9	1998.3	1971.0	1954.1	1954.1	1960.5	1983.6	2008.8	2028.7
37.5°	2133.8	2139.1	2114.9	2082.3	2057.1	2057.1	2065.5	2089.7	2127.5	2155.9
40°	2287.2	2294.5	2264.1	2230.5	2206.3	2202.1	2212.6	2239.9	2275.6	2311.4
42.5°	2472.1	2480.5	2440.6	2411.2	2392.3	2392.3	2397.5	2422.7	2455.3	2499.4
45°	2708.5	2723.2	2668.6	2639.1	2621.3	2625.5	2628.6	2650.7	2680.1	2730.6
47.5°	2990.1	3004.8	2947.0	2916.5	2913.4	2933.3	2920.7	2936.5	2952.2	3010.0
50°	3309.4	3334.7	3294.7	3292.6	3298.9	3335.7	3306.3	3314.7	3296.8	3333.6
52.5°	3700.3	3737.0	3729.7	3742.3	3812.7	3888.3	3821.1	3791.7	3724.4	3736.0
55°	4174.1	4229.8	4240.3	4315.9	4475.6	4630.1	4487.2	4368.5	4225.6	4199.3
57.5°	4713.1	4757.2	4807.6	4962.1	5260.4	5534.6	5260.4	4997.8	4773.0	4719.4
60°	5293.0	5347.6	5396.0	5624.0	6067.3	6452.9	6058.9	5641.8	5344.5	5272.0
62.5°	5916.0	5986.4	6020.0	6273.2	6790.1	7250.3	6797.5	6292.1	5962.3	5884.5
65°	6513.8	6571.6	6609.4	6879.4	7373.2	7834.4	7406.8	6908.9	6569.5	6467.6
67.5°	6792.2	6823.8	6916.2	7221.9	7743.0	8269.4	7831.3	7254.5	6875.2	6696.6
70°	6384.6	6320.5	6543.2	7032.8	7787.2	8536.3	7888.0	7018.1	6553.7	6263.8
72.5°	4933.7	4823.4	5210.0	6047.4	7282.9	8366.1	7333.3	6094.6	5450.6	4862.3
75°	2684.3	2559.3	3093.0	4152.0	5807.8	7251.4	5941.2	4270.8	3443.9	2664.4
77.5°	757.5	710.2	1141.0	2008.8	3493.3	5091.3	3627.8	2052.9	1353.2	802.7
80°	232.2	224.8	304.7	605.2	1483.5	2438.5	1425.7	612.5	387.7	244.8
82.5°	137.6	126.1	151.3	220.6	378.2	765.9	367.7	230.1	184.9	124.0
85°	78.8	73.5	89.3	107.2	127.1	162.8	106.1	109.3	98.8	66.2
87.5°	32.6	29.4	34.7	33.6	29.4	37.8	28.4	33.6	39.9	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1843.8
1837.5
1814.4
1789.2
1777.6
1777.6
1785.0
1798.7
1812.3
1818.6
1824.9
1840.7
1876.4
1932.1
2021.4
2145.4
2299.8
2496.3
2728.5
2993.2
3311.5
3697.1
4158.3
4681.5
5209.0
5821.5
6417.2
6698.7
6333.1
5008.3
2837.7
892.0
258.5
134.5
69.3
24.2
0.0

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