

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: P941500

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
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: 19931 lumens
Efficiency: N/A
Efficacy: 140.7 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



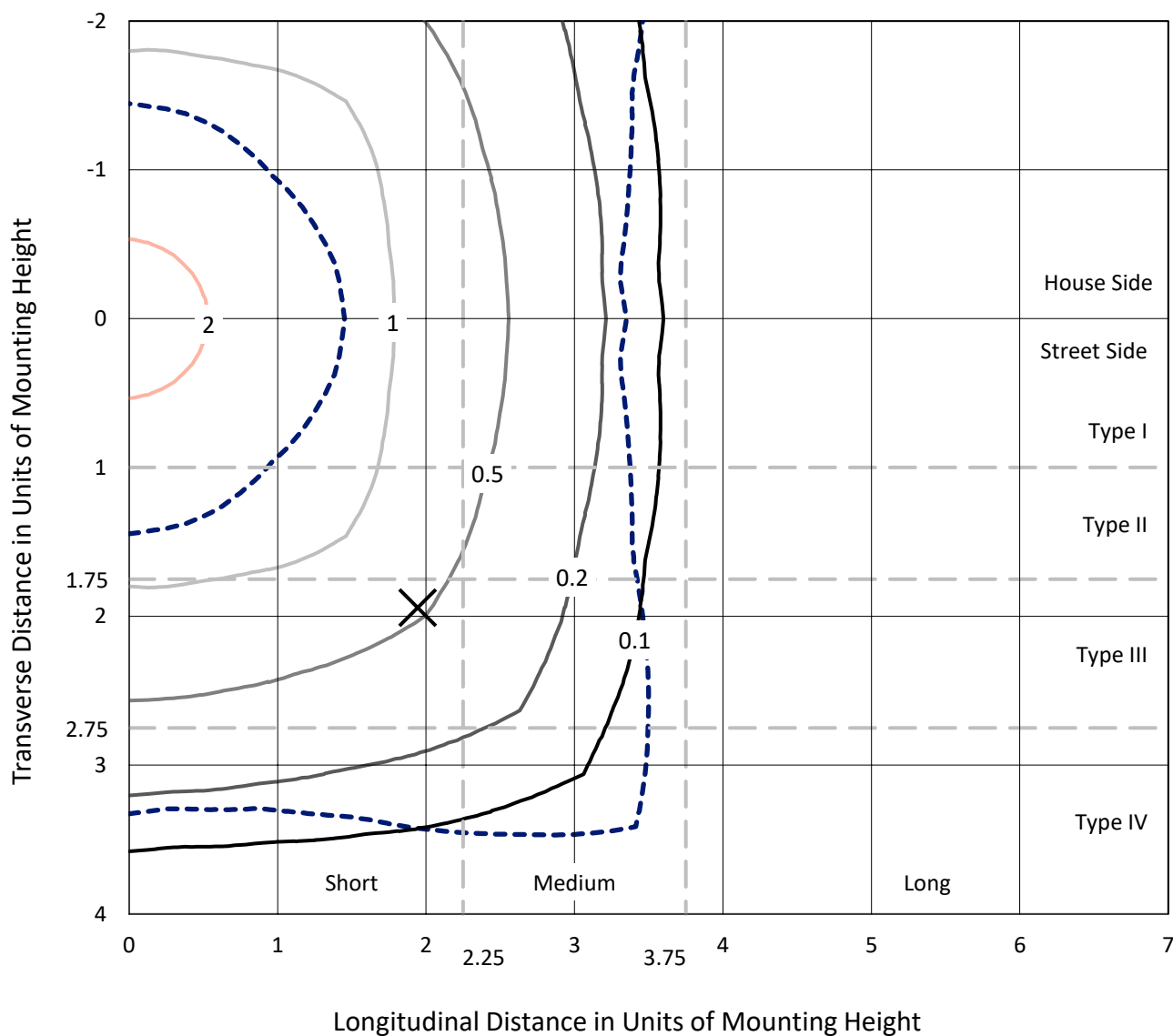
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

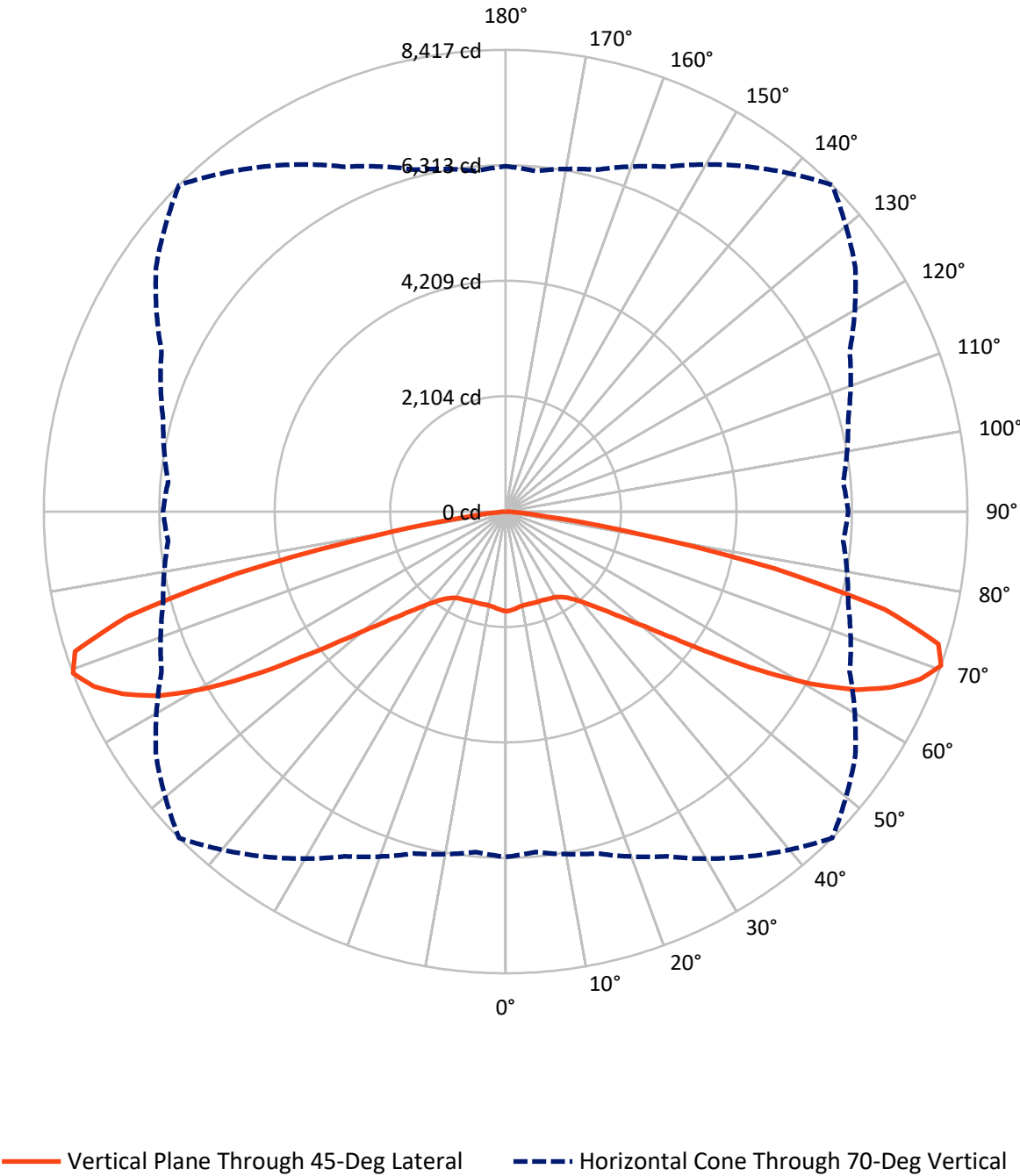


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9965.5	0.0	9965.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9965.5	0.0	9965.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19931.0	0.0	19931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	0.8
10°-20°	496.6	2.5
20°-30°	826.4	4.1
30°-40°	1249.8	6.3
40°-50°	2076.8	10.4
50°-60°	3918.9	19.7
60°-70°	6617.3	33.2
70°-80°	4348.2	21.8
80°-90°	227.8	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°	19931.0	100.0
0°-180°	19931.0	100.0

Coefficient of Utilization



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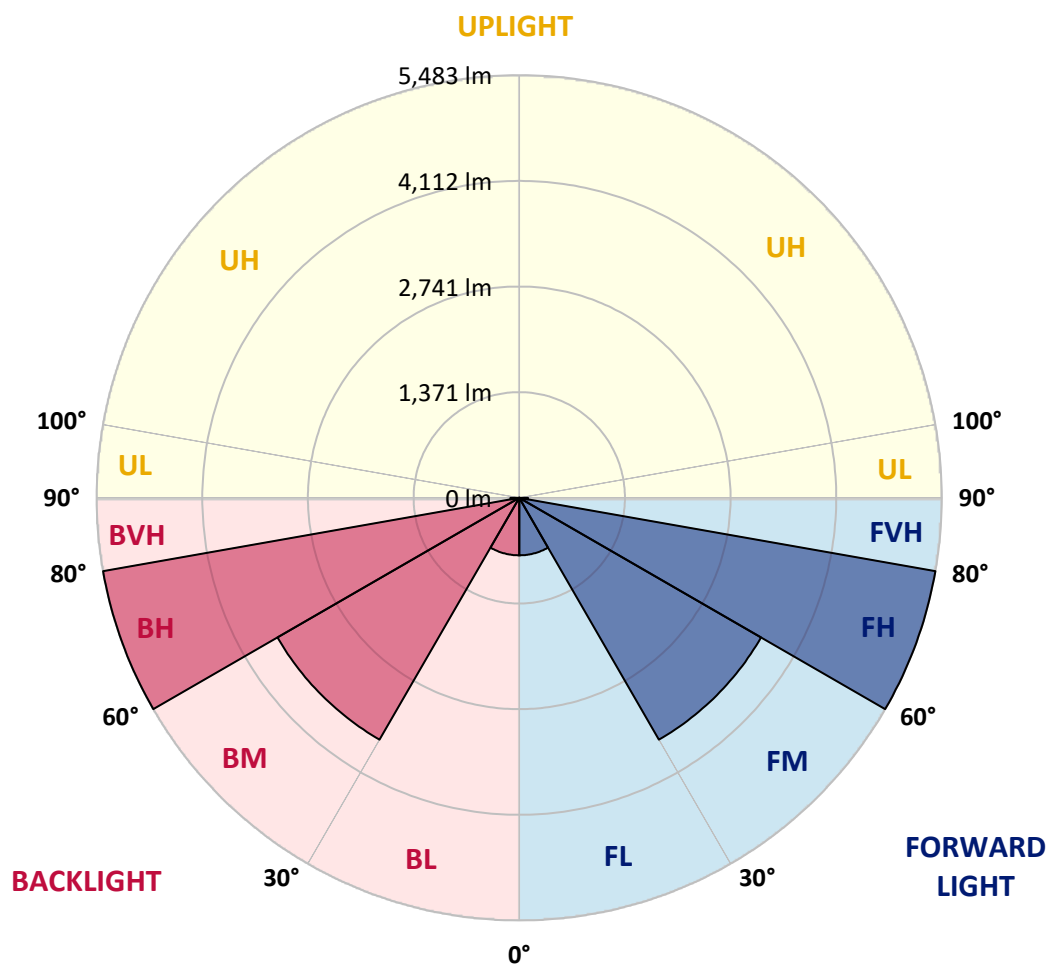
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	746.1	3.7			
FM	(30°-60°)	3622.8	18.2			
FH	(60°-80°)	5482.8	27.5			G3/7500
FVH	(80°-90°)	113.9	0.6			G2/225
BL	(0°-30°)	746.1	3.7	B2/1000		
BM	(30°-60°)	3622.8	18.2	B3/5000		
BH	(60°-80°)	5482.8	27.5	B5		G3/7500
BVH	(80°-90°)	113.9	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°	1818.1	1818.1	1818.1	1818.1	1818.1	1818.1	1818.1	1818.1	1818.1	1818.1
2.5°	1806.7	1811.9	1809.8	1805.7	1805.7	1802.6	1805.7	1807.7	1810.9	1812.9
5°	1782.9	1787.0	1786.0	1782.9	1783.9	1780.8	1782.9	1786.0	1788.1	1789.1
7.5°	1762.2	1766.3	1764.2	1759.1	1759.1	1756.0	1757.0	1760.1	1763.2	1764.2
10°	1757.0	1761.1	1754.9	1746.6	1743.5	1739.4	1740.4	1743.5	1749.7	1752.8
12.5°	1759.1	1762.2	1756.0	1743.5	1740.4	1736.3	1736.3	1739.4	1747.7	1751.8
15°	1765.3	1768.4	1759.1	1745.6	1742.5	1739.4	1738.3	1742.5	1751.8	1759.1
17.5°	1776.7	1779.8	1765.3	1746.6	1742.5	1743.5	1742.5	1745.6	1760.1	1773.6
20°	1787.0	1789.1	1769.4	1746.6	1742.5	1743.5	1742.5	1748.7	1767.3	1786.0
22.5°	1790.1	1792.2	1773.6	1753.9	1750.8	1751.8	1750.8	1757.0	1774.6	1793.2
25°	1791.2	1794.3	1779.8	1764.2	1769.4	1771.5	1769.4	1770.5	1783.9	1800.5
27.5°	1806.7	1810.9	1797.4	1783.9	1787.0	1786.0	1789.1	1792.2	1802.6	1819.1
30°	1838.8	1841.9	1830.5	1817.1	1815.0	1807.7	1817.1	1827.4	1838.8	1853.3
32.5°	1891.7	1897.9	1883.4	1868.9	1859.5	1855.4	1862.7	1880.3	1895.8	1911.3
35°	1979.7	1983.9	1970.4	1943.5	1926.9	1926.9	1933.1	1955.9	1980.8	2000.4
37.5°	2104.0	2109.2	2085.4	2053.3	2028.4	2028.4	2036.7	2060.5	2097.8	2125.8
40°	2255.3	2262.5	2232.5	2199.3	2175.5	2171.4	2181.7	2208.7	2243.9	2279.1
42.5°	2437.6	2445.9	2406.5	2377.5	2358.9	2358.9	2364.1	2388.9	2421.0	2464.5
45°	2670.7	2685.2	2631.3	2602.3	2584.7	2588.9	2592.0	2613.7	2642.7	2692.5
47.5°	2948.3	2962.8	2905.9	2875.8	2872.7	2892.4	2880.0	2895.5	2911.0	2968.0
50°	3263.3	3288.1	3248.8	3246.7	3252.9	3289.2	3260.2	3268.5	3250.8	3287.1
52.5°	3648.6	3684.9	3677.7	3690.1	3759.5	3834.1	3767.8	3738.8	3672.5	3683.9
55°	4115.9	4170.8	4181.1	4255.7	4413.2	4565.5	4424.6	4307.5	4166.6	4140.7
57.5°	4647.3	4690.8	4740.5	4892.8	5187.0	5457.4	5187.0	4928.1	4706.4	4653.5
60°	5219.2	5273.0	5320.7	5545.5	5982.7	6362.9	5974.4	5563.1	5269.9	5198.4
62.5°	5833.5	5902.9	5936.0	6185.7	6695.4	7149.2	6702.7	6204.4	5879.1	5802.4
65°	6422.9	6479.9	6517.2	6783.5	7270.4	7725.1	7303.5	6812.5	6477.9	6377.4
67.5°	6697.5	6728.6	6819.7	7121.2	7635.0	8154.0	7722.0	7153.3	6779.3	6603.2
70°	6295.5	6232.3	6452.0	6934.7	7678.5	8417.2	7778.0	6920.2	6462.3	6176.4
72.5°	4864.9	4756.1	5137.3	5963.0	7181.3	8249.3	7231.0	6009.6	5374.6	4794.4
75°	2646.9	2523.6	3049.9	4094.1	5726.8	7150.2	5858.3	4211.2	3395.9	2627.2
77.5°	746.9	700.3	1125.1	1980.8	3444.6	5020.3	3577.2	2024.3	1334.3	791.5
80°	228.9	221.7	300.4	596.7	1462.8	2404.5	1405.8	604.0	382.3	241.4
82.5°	135.7	124.3	149.2	217.6	372.9	755.2	362.6	226.9	182.3	122.2
85°	77.7	72.5	88.1	105.7	125.4	160.6	104.6	107.7	97.4	65.3
87.5°	32.1	29.0	34.2	33.2	29.0	37.3	28.0	33.2	39.4	25.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1818.1
1811.9
1789.1
1764.2
1752.8
1752.8
1760.1
1773.6
1787.0
1793.2
1799.5
1815.0
1850.2
1905.1
1993.2
2115.4
2267.7
2461.4
2690.4
2951.4
3265.3
3645.5
4100.3
4616.2
5136.3
5740.3
6327.6
6605.3
6244.8
4938.4
2798.1
879.5
254.8
132.6
68.4
23.8
0.0