

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: P848491

Luminaire Tested: **GLAN-SB5A-830-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848491
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-SB5A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19680 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

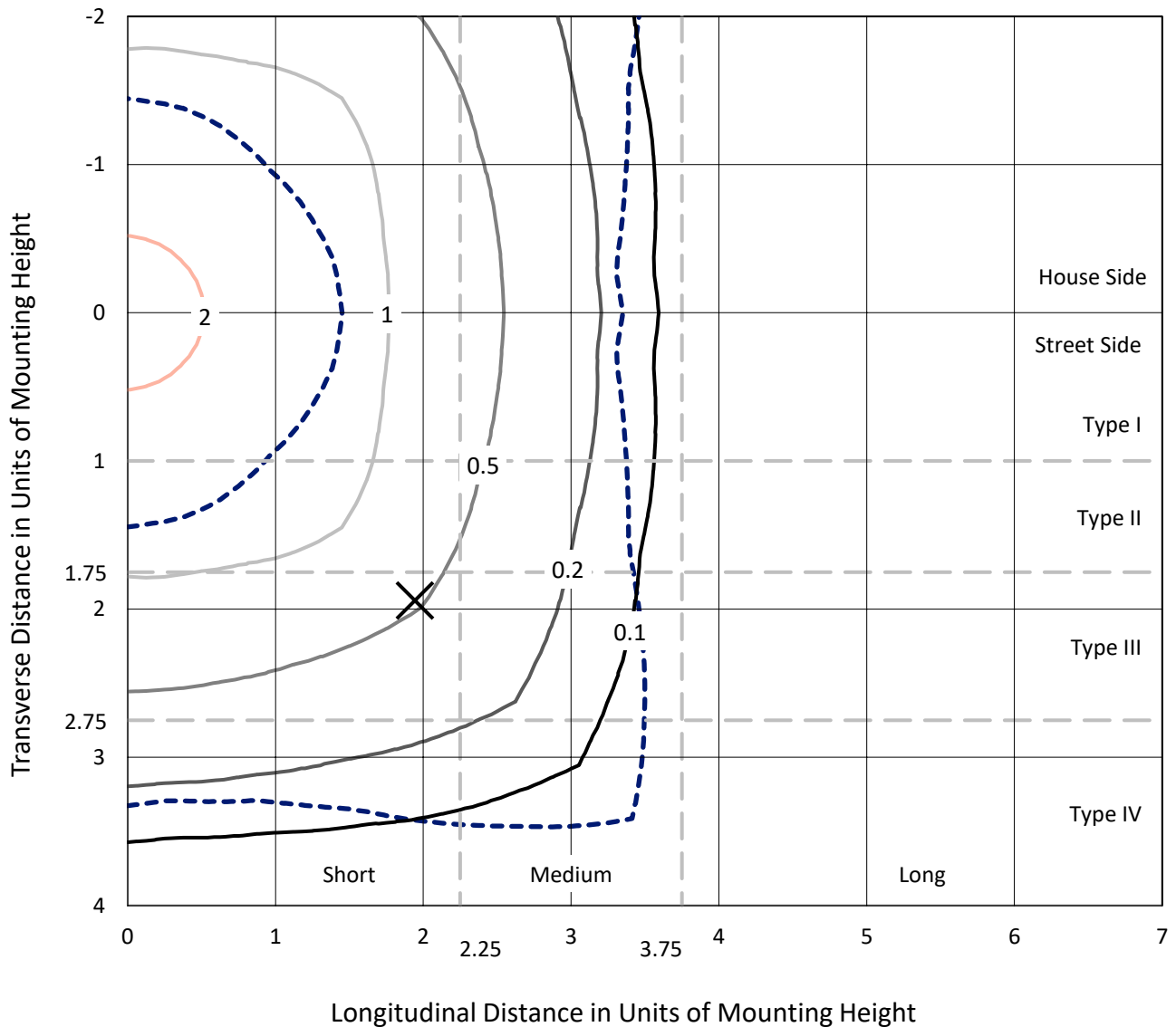
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

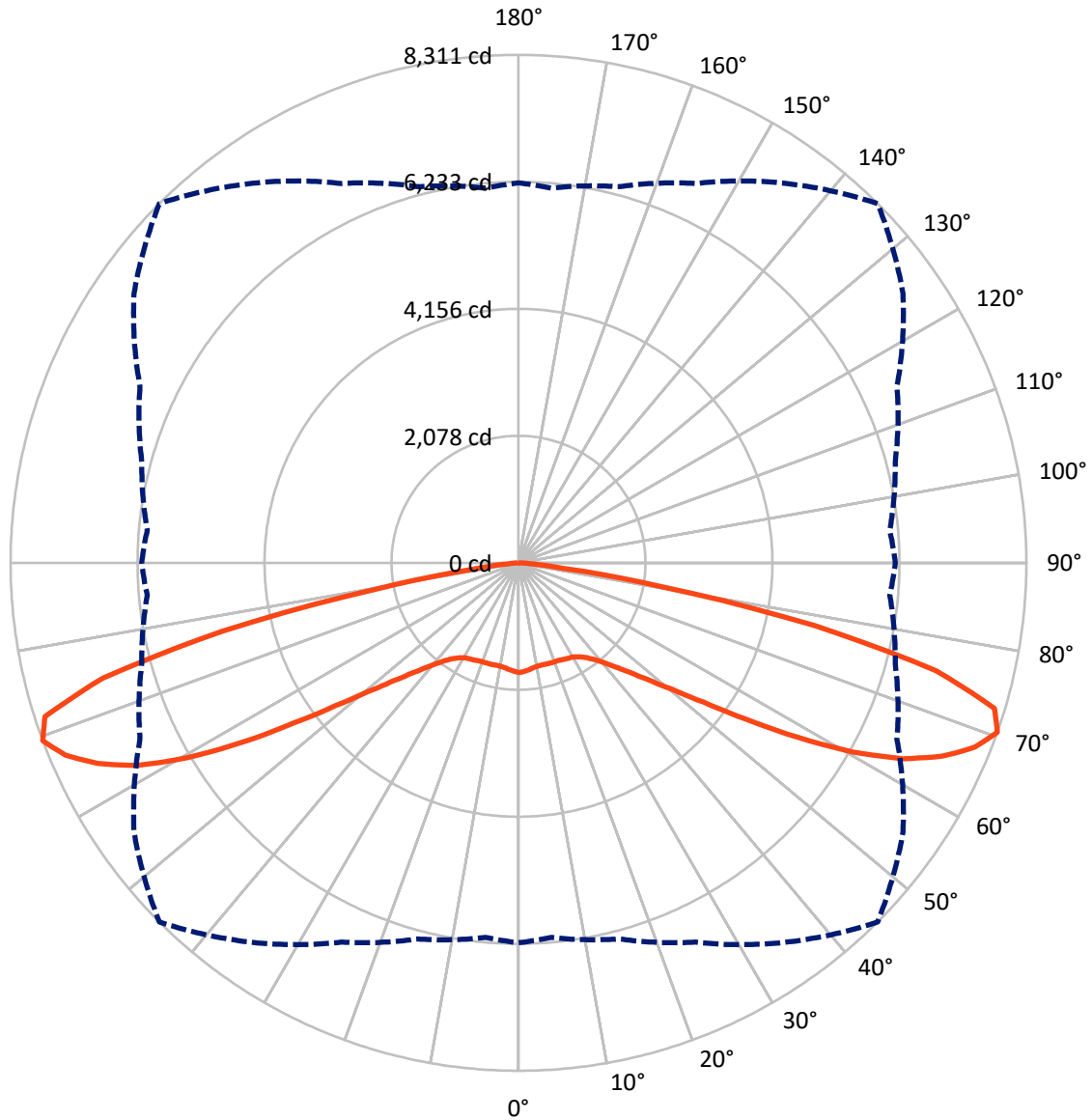
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9840.0	0.0	9840.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9840.0	0.0	9840.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19680.0	0.0	19680.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.0	0.8
10°-20°	490.3	2.5
20°-30°	816.0	4.1
30°-40°	1234.0	6.3
40°-50°	2050.7	10.4
50°-60°	3869.6	19.7
60°-70°	6533.9	33.2
70°-80°	4293.5	21.8
80°-90°	224.9	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°	19680.0	100.0
0°-180°	19680.0	100.0

Coefficient of Utilization



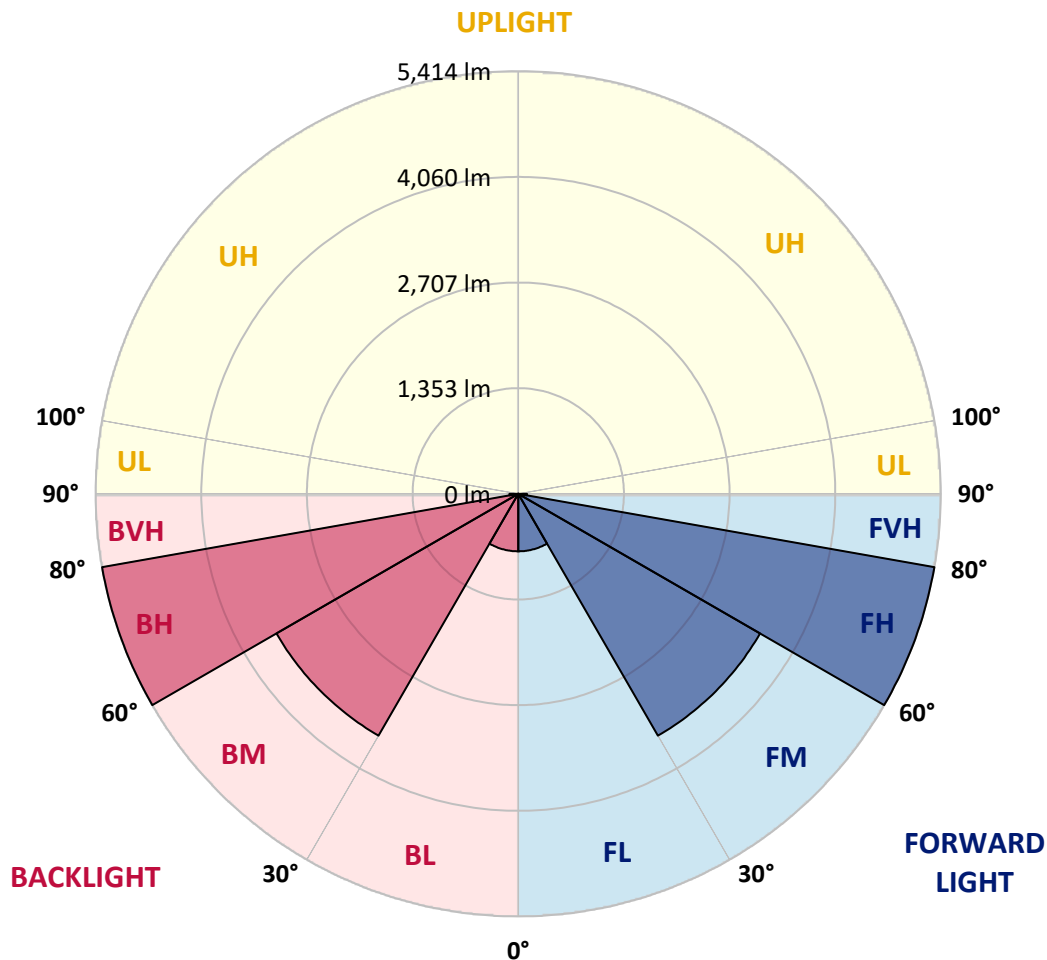
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	736.7	3.7			
FM (30°-60°)	3577.2	18.2			
FH (60°-80°)	5413.7	27.5			G3/7500
FVH (80°-90°)	112.5	0.6			G2/225
BL (0°-30°)	736.7	3.7	B2/1000		
BM (30°-60°)	3577.2	18.2	B3/5000		
BH (60°-80°)	5413.7	27.5	B5		G3/7500
BVH (80°-90°)	112.5	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°	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2	1795.2
2.5°	1784.0	1789.1	1787.0	1782.9	1782.9	1779.9	1782.9	1785.0	1788.1	1790.1
5°	1760.4	1764.5	1763.5	1760.4	1761.5	1758.4	1760.4	1763.5	1765.5	1766.6
7.5°	1740.0	1744.1	1742.0	1736.9	1736.9	1733.8	1734.9	1737.9	1741.0	1742.0
10°	1734.9	1739.0	1732.8	1724.6	1721.6	1717.5	1718.5	1721.6	1727.7	1730.8
12.5°	1736.9	1740.0	1733.8	1721.6	1718.5	1714.4	1714.4	1717.5	1725.7	1729.7
15°	1743.0	1746.1	1736.9	1723.6	1720.5	1717.5	1716.4	1720.5	1729.7	1736.9
17.5°	1754.3	1757.4	1743.0	1724.6	1720.5	1721.6	1720.5	1723.6	1737.9	1751.2
20°	1764.5	1766.6	1747.1	1724.6	1720.5	1721.6	1720.5	1726.7	1745.1	1763.5
22.5°	1767.6	1769.6	1751.2	1731.8	1728.7	1729.7	1728.7	1734.9	1752.2	1770.7
25°	1768.6	1771.7	1757.4	1742.0	1747.1	1749.2	1747.1	1748.2	1761.5	1777.8
27.5°	1784.0	1788.1	1774.8	1761.5	1764.5	1763.5	1766.6	1769.6	1779.9	1796.2
30°	1815.7	1818.7	1807.5	1794.2	1792.1	1785.0	1794.2	1804.4	1815.7	1830.0
32.5°	1867.8	1874.0	1859.7	1845.3	1836.1	1832.0	1839.2	1856.6	1871.9	1887.3
35°	1954.8	1958.9	1945.6	1919.0	1902.6	1902.6	1908.8	1931.3	1955.8	1975.2
37.5°	2077.5	2082.7	2059.1	2027.4	2002.9	2002.9	2011.0	2034.6	2071.4	2099.0
40°	2226.9	2234.0	2204.4	2171.6	2148.1	2144.0	2154.3	2180.9	2215.6	2250.4
42.5°	2406.9	2415.1	2376.2	2347.6	2329.2	2329.2	2334.3	2358.8	2390.5	2433.5
45°	2637.1	2651.4	2598.2	2569.6	2552.2	2556.3	2559.3	2580.8	2609.5	2658.6
47.5°	2911.2	2925.5	2869.3	2839.6	2836.5	2856.0	2843.7	2859.0	2874.4	2930.6
50°	3222.2	3246.7	3207.9	3205.8	3211.9	3247.7	3219.1	3227.3	3209.9	3245.7
52.5°	3602.7	3638.5	3631.3	3643.6	3712.2	3785.8	3720.3	3691.7	3626.2	3637.5
55°	4064.0	4118.2	4128.5	4202.1	4357.6	4508.0	4368.9	4253.3	4114.2	4088.6
57.5°	4588.8	4631.7	4680.8	4831.2	5121.7	5388.7	5121.7	4866.0	4647.1	4594.9
60°	5153.4	5206.6	5253.7	5475.7	5907.3	6282.7	5899.1	5493.0	5203.6	5133.0
62.5°	5760.0	5828.6	5861.3	6107.8	6611.1	7059.1	6618.2	6126.2	5805.0	5729.3
65°	6342.1	6398.3	6435.1	6698.0	7178.8	7627.9	7211.5	6726.7	6396.3	6297.1
67.5°	6613.1	6643.8	6733.8	7031.5	7538.9	8051.3	7624.8	7063.2	6693.9	6520.0
70°	6216.2	6153.8	6370.7	6847.4	7581.8	8311.2	7680.0	6833.1	6380.9	6098.6
72.5°	4803.6	4696.2	5072.6	5887.9	7090.8	8145.5	7139.9	5933.9	5306.9	4734.0
75°	2613.5	2491.8	3011.5	4042.6	5654.7	7060.1	5784.6	4158.1	3353.1	2594.1
77.5°	737.5	691.5	1110.9	1955.8	3401.2	4957.0	3532.1	1998.8	1317.5	781.5
80°	226.1	218.9	296.6	589.2	1444.4	2374.2	1388.1	596.4	377.5	238.3
82.5°	134.0	122.7	147.3	214.8	368.2	745.7	358.0	224.0	180.0	120.7
85°	76.7	71.6	86.9	104.3	123.8	158.6	103.3	106.4	96.2	64.4
87.5°	31.7	28.6	33.8	32.7	28.6	36.8	27.6	32.7	38.9	25.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1795.2
1789.1
1766.6
1742.0
1730.8
1730.8
1737.9
1751.2
1764.5
1770.7
1776.8
1792.1
1826.9
1881.1
1968.1
2088.8
2239.2
2430.4
2656.5
2914.3
3224.2
3599.6
4048.7
4558.1
5071.6
5668.0
6248.0
6522.1
6166.1
4876.2
2762.9
868.5
251.6
130.9
67.5
23.5
0.0

OF REPORT)