

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: P847991

Luminaire Tested: **GLAN-SB4B-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847991
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-SB4B-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18901 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

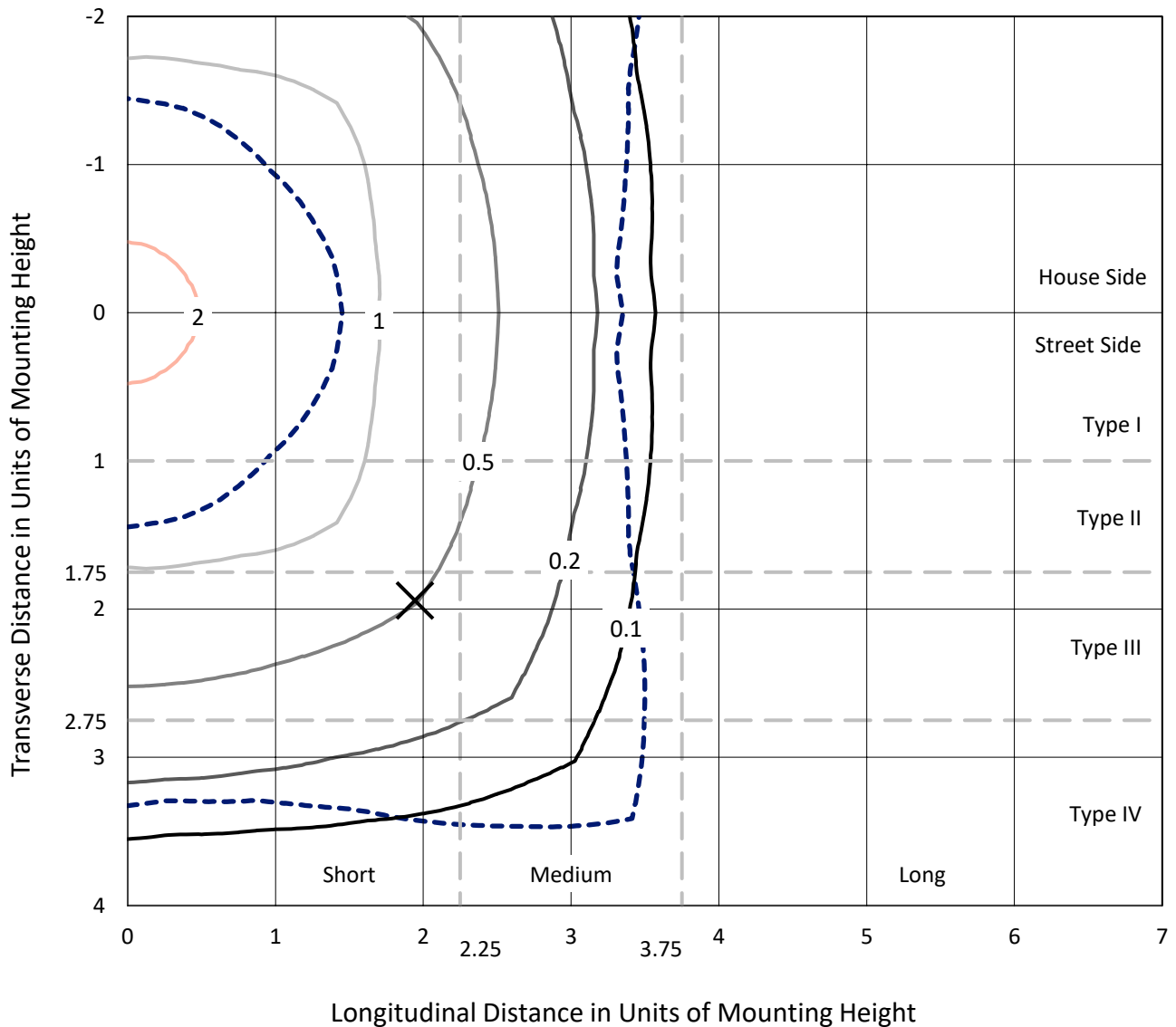
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

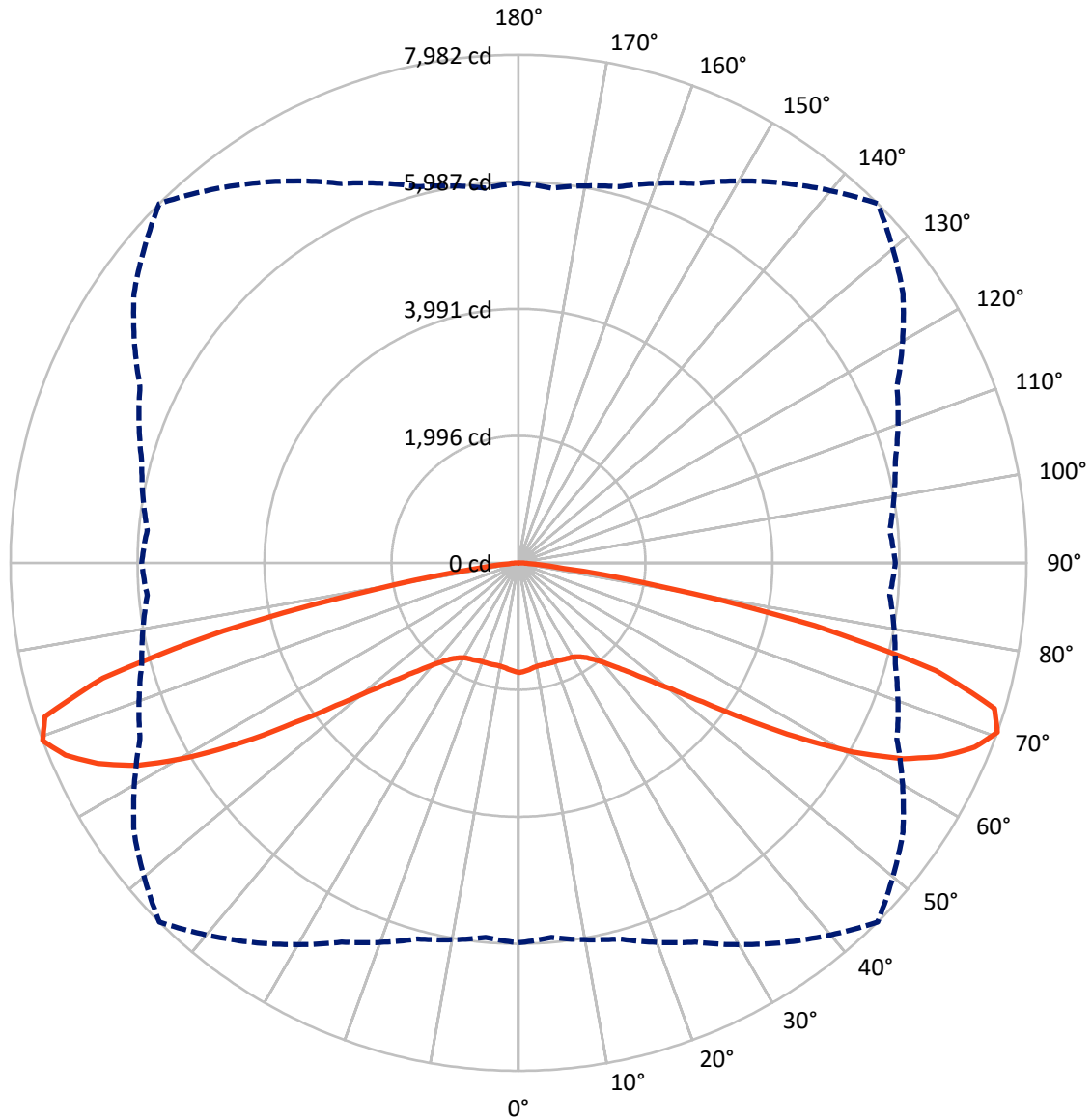
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	9450.5	0.0	9450.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9450.5	0.0	9450.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18901.0	0.0	18901.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	0.8
10°-20°	470.9	2.5
20°-30°	783.7	4.1
30°-40°	1185.2	6.3
40°-50°	1969.5	10.4
50°-60°	3716.4	19.7
60°-70°	6275.3	33.2
70°-80°	4123.5	21.8
80°-90°	216.0	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°	18901.0	100.0
0°-180°	18901.0	100.0

Coefficient of Utilization



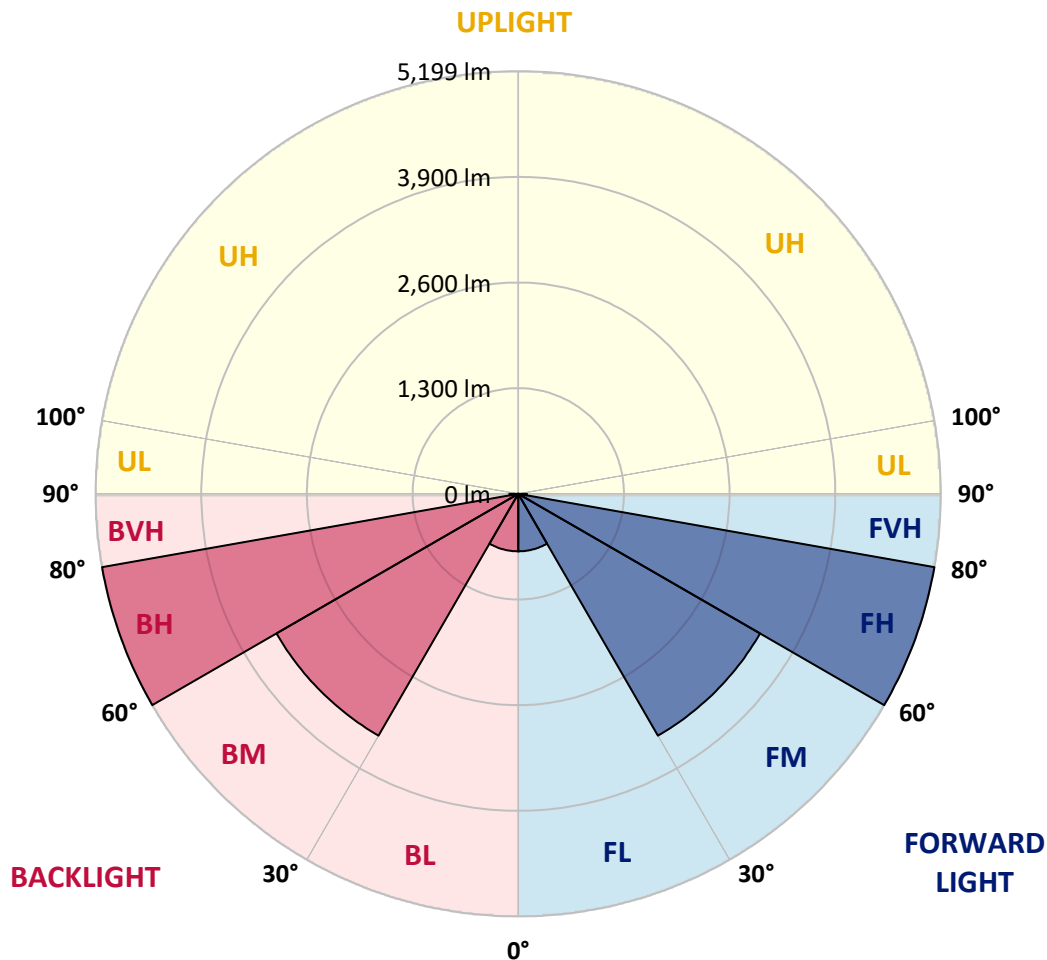
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	707.5	3.7			
FM (30°-60°)	3435.6	18.2			
FH (60°-80°)	5199.4	27.5			G3/7500
FVH (80°-90°)	108.0	0.6			G2/225
BL (0°-30°)	707.5	3.7	B2/1000		
BM (30°-60°)	3435.6	18.2	B3/5000		
BH (60°-80°)	5199.4	27.5	B5		G3/7500
BVH (80°-90°)	108.0	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°	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2
2.5°	1713.3	1718.3	1716.3	1712.4	1712.4	1709.4	1712.4	1714.3	1717.3	1719.2
5°	1690.7	1694.7	1693.7	1690.7	1691.7	1688.8	1690.7	1693.7	1695.7	1696.6
7.5°	1671.1	1675.0	1673.1	1668.2	1668.2	1665.2	1666.2	1669.1	1672.1	1673.1
10°	1666.2	1670.1	1664.2	1656.4	1653.4	1649.5	1650.5	1653.4	1659.3	1662.3
12.5°	1668.2	1671.1	1665.2	1653.4	1650.5	1646.5	1646.5	1649.5	1657.3	1661.3
15°	1674.0	1677.0	1668.2	1655.4	1652.4	1649.5	1648.5	1652.4	1661.3	1668.2
17.5°	1684.9	1687.8	1674.0	1656.4	1652.4	1653.4	1652.4	1655.4	1669.1	1681.9
20°	1694.7	1696.6	1678.0	1656.4	1652.4	1653.4	1652.4	1658.3	1676.0	1693.7
22.5°	1697.6	1699.6	1681.9	1663.2	1660.3	1661.3	1660.3	1666.2	1682.9	1700.6
25°	1698.6	1701.6	1687.8	1673.1	1678.0	1679.9	1678.0	1679.0	1691.7	1707.5
27.5°	1713.3	1717.3	1704.5	1691.7	1694.7	1693.7	1696.6	1699.6	1709.4	1725.1
30°	1743.8	1746.7	1735.9	1723.2	1721.2	1714.3	1723.2	1733.0	1743.8	1757.6
32.5°	1793.9	1799.8	1786.0	1772.3	1763.4	1759.5	1766.4	1783.1	1797.8	1812.6
35°	1877.4	1881.3	1868.6	1843.0	1827.3	1827.3	1833.2	1854.8	1878.4	1897.1
37.5°	1995.3	2000.2	1977.6	1947.2	1923.6	1923.6	1931.4	1954.0	1989.4	2015.9
40°	2138.7	2145.6	2117.1	2085.7	2063.1	2059.2	2069.0	2094.5	2127.9	2161.3
42.5°	2311.6	2319.5	2282.2	2254.7	2237.0	2237.0	2241.9	2265.5	2295.9	2337.2
45°	2532.7	2546.4	2495.4	2467.8	2451.1	2455.1	2458.0	2478.7	2506.2	2553.3
47.5°	2796.0	2809.7	2755.7	2727.2	2724.3	2742.9	2731.1	2745.9	2760.6	2814.6
50°	3094.6	3118.2	3080.9	3078.9	3084.8	3119.2	3091.7	3099.5	3082.8	3117.2
52.5°	3460.1	3494.5	3487.6	3499.4	3565.2	3635.9	3573.1	3545.6	3482.7	3493.5
55°	3903.2	3955.2	3965.1	4035.8	4185.1	4329.5	4195.9	4084.9	3951.3	3926.7
57.5°	4407.1	4448.4	4495.6	4640.0	4919.0	5175.4	4919.0	4673.4	4463.1	4413.0
60°	4949.4	5000.5	5045.7	5258.9	5673.5	6034.0	5665.6	5275.6	4997.6	4929.8
62.5°	5532.0	5597.8	5629.3	5866.0	6349.4	6779.7	6356.3	5883.7	5575.2	5502.5
65°	6091.0	6145.1	6180.4	6432.9	6894.6	7325.9	6926.1	6460.4	6143.1	6047.8
67.5°	6351.4	6380.8	6467.3	6753.2	7240.5	7732.6	7323.0	6783.6	6429.0	6262.0
70°	5970.2	5910.3	6118.5	6576.3	7281.7	7982.2	7376.0	6562.6	6128.4	5857.2
72.5°	4613.5	4510.3	4871.8	5654.8	6810.2	7823.0	6857.3	5699.0	5096.8	4546.7
75°	2510.1	2393.2	2892.3	3882.5	5430.8	6780.7	5555.6	3993.5	3220.4	2491.4
77.5°	708.3	664.1	1066.9	1878.4	3266.6	4760.8	3392.3	1919.7	1265.4	750.6
80°	217.1	210.2	284.9	565.9	1387.2	2280.2	1333.1	572.8	362.5	228.9
82.5°	128.7	117.9	141.5	206.3	353.7	716.2	343.8	215.2	172.9	115.9
85°	73.7	68.8	83.5	100.2	118.9	152.3	99.2	102.2	92.3	61.9
87.5°	30.5	27.5	32.4	31.4	27.5	35.4	26.5	31.4	37.3	24.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1724.2
1718.3
1696.6
1673.1
1662.3
1662.3
1669.1
1681.9
1694.7
1700.6
1706.5
1721.2
1754.6
1806.7
1890.2
2006.1
2150.5
2334.2
2551.4
2798.9
3096.6
3457.1
3888.4
4377.7
4870.9
5443.6
6000.6
6263.9
5922.0
4683.2
2653.5
834.1
241.7
125.8
64.8
22.6
0.0

OF REPORT)