

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: P848501

Luminaire Tested: **GLAN-SB5A-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848501
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18977 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

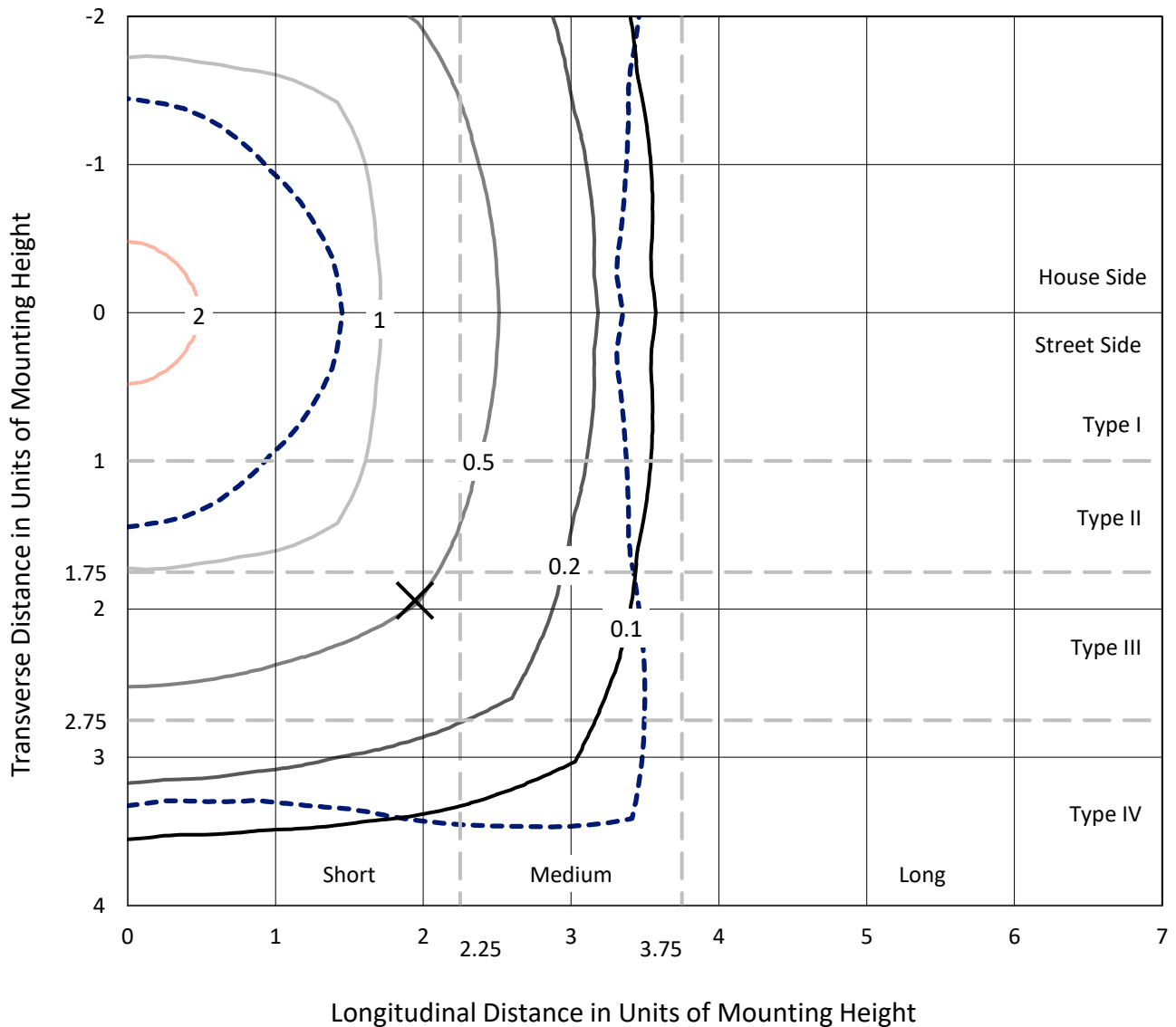
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

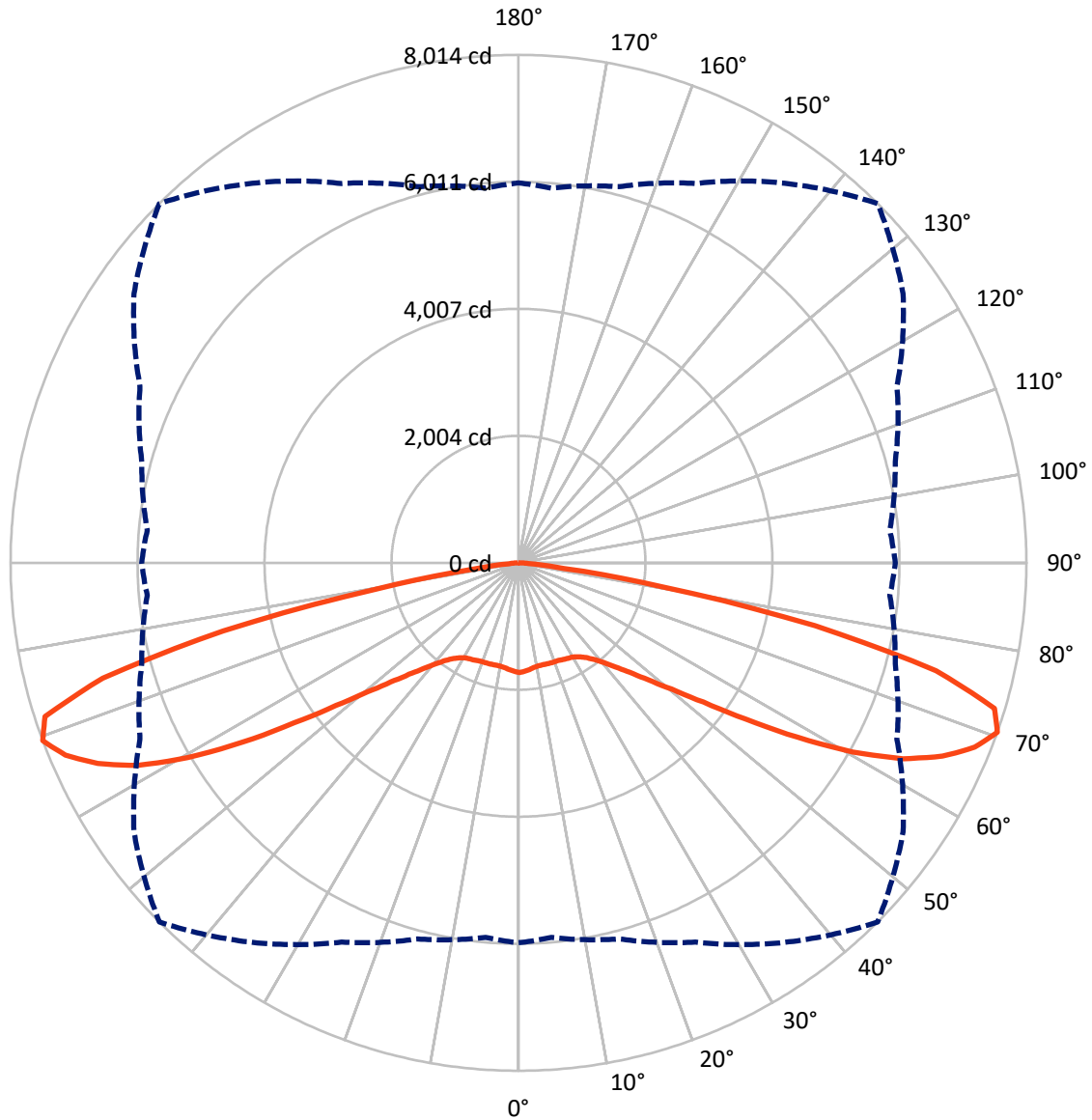
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	9488.5	0.0	9488.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9488.5	0.0	9488.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18977.0	0.0	18977.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	0.8
10°-20°	472.8	2.5
20°-30°	786.9	4.1
30°-40°	1190.0	6.3
40°-50°	1977.4	10.4
50°-60°	3731.3	19.7
60°-70°	6300.5	33.2
70°-80°	4140.1	21.8
80°-90°	216.9	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°	18977.0	100.0
0°-180°	18977.0	100.0

Coefficient of Utilization



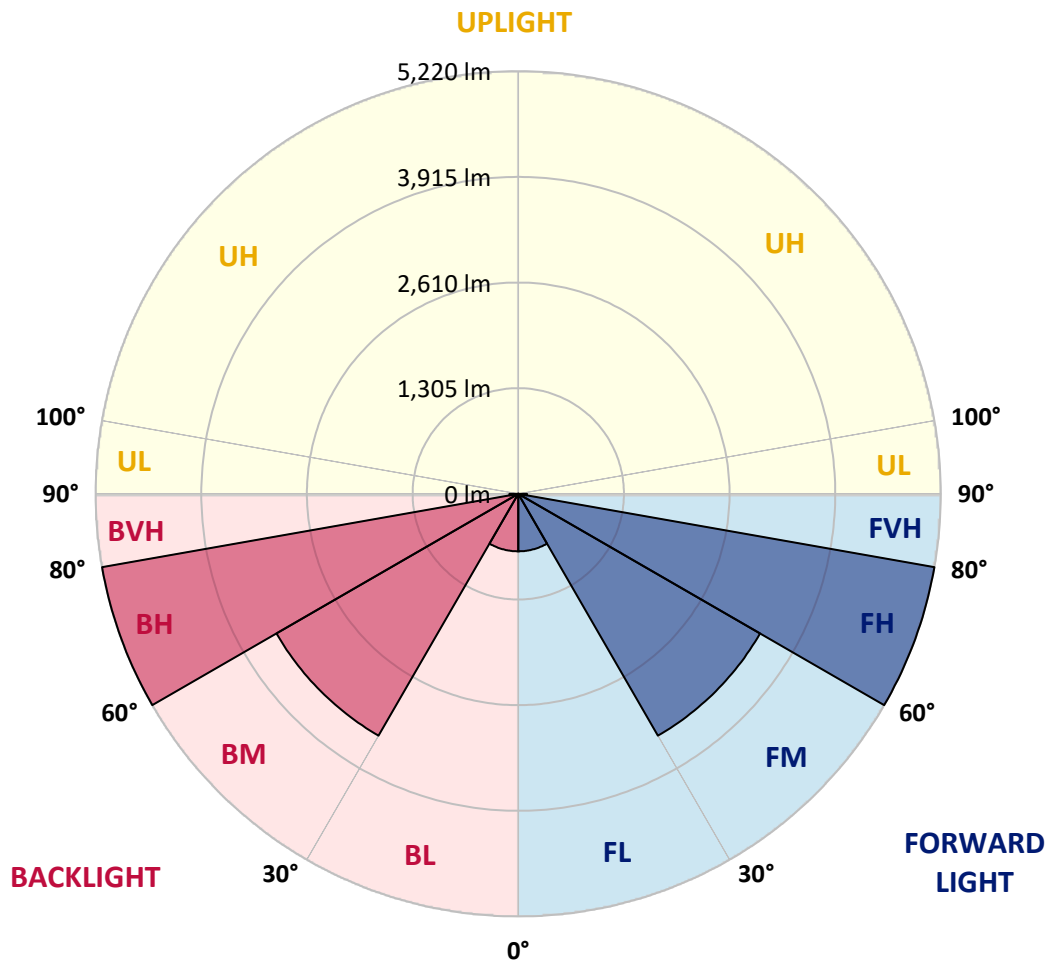
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	710.4	3.7			
FM (30°-60°)	3449.4	18.2			
FH (60°-80°)	5220.3	27.5			G3/7500
FVH (80°-90°)	108.5	0.6			G2/225
BL (0°-30°)	710.4	3.7	B2/1000		
BM (30°-60°)	3449.4	18.2	B3/5000		
BH (60°-80°)	5220.3	27.5	B5		G3/7500
BVH (80°-90°)	108.5	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°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1720.2	1725.2	1723.2	1719.2	1719.2	1716.3	1719.2	1721.2	1724.2	1726.2
5°	1697.5	1701.5	1700.5	1697.5	1698.5	1695.6	1697.5	1700.5	1702.5	1703.5
7.5°	1677.8	1681.8	1679.8	1674.9	1674.9	1671.9	1672.9	1675.8	1678.8	1679.8
10°	1672.9	1676.8	1670.9	1663.0	1660.1	1656.1	1657.1	1660.1	1666.0	1668.9
12.5°	1674.9	1677.8	1671.9	1660.1	1657.1	1653.2	1653.2	1656.1	1664.0	1668.0
15°	1680.8	1683.7	1674.9	1662.0	1659.1	1656.1	1655.1	1659.1	1668.0	1674.9
17.5°	1691.6	1694.6	1680.8	1663.0	1659.1	1660.1	1659.1	1662.0	1675.8	1688.7
20°	1701.5	1703.5	1684.7	1663.0	1659.1	1660.1	1659.1	1665.0	1682.8	1700.5
22.5°	1704.5	1706.4	1688.7	1669.9	1667.0	1668.0	1667.0	1672.9	1689.7	1707.4
25°	1705.4	1708.4	1694.6	1679.8	1684.7	1686.7	1684.7	1685.7	1698.5	1714.3
27.5°	1720.2	1724.2	1711.4	1698.5	1701.5	1700.5	1703.5	1706.4	1716.3	1732.1
30°	1750.8	1753.8	1742.9	1730.1	1728.1	1721.2	1730.1	1740.0	1750.8	1764.6
32.5°	1801.1	1807.0	1793.2	1779.4	1770.5	1766.6	1773.5	1790.3	1805.1	1819.9
35°	1885.0	1888.9	1876.1	1850.4	1834.7	1834.7	1840.6	1862.3	1885.9	1904.7
37.5°	2003.3	2008.3	1985.6	1955.0	1931.3	1931.3	1939.2	1961.9	1997.4	2024.0
40°	2147.3	2154.2	2125.6	2094.1	2071.4	2067.4	2077.3	2102.9	2136.5	2170.0
42.5°	2320.9	2328.8	2291.3	2263.7	2246.0	2246.0	2250.9	2274.6	2305.2	2346.6
45°	2542.9	2556.7	2505.4	2477.8	2461.0	2464.9	2467.9	2488.6	2516.2	2563.6
47.5°	2807.2	2821.0	2766.8	2738.2	2735.2	2754.0	2742.1	2756.9	2771.7	2826.0
50°	3107.1	3130.7	3093.3	3091.3	3097.2	3131.7	3104.1	3112.0	3095.2	3129.8
52.5°	3474.0	3508.5	3501.6	3513.5	3579.5	3650.6	3587.4	3559.8	3496.7	3507.5
55°	3918.9	3971.1	3981.0	4052.0	4201.9	4346.9	4212.8	4101.3	3967.2	3942.5
57.5°	4424.9	4466.3	4513.6	4658.6	4938.8	5196.2	4938.8	4692.2	4481.1	4430.8
60°	4969.3	5020.6	5066.0	5280.1	5696.3	6058.3	5688.4	5296.8	5017.7	4949.6
62.5°	5554.3	5620.4	5651.9	5889.6	6374.9	6807.0	6381.8	5907.4	5597.7	5524.7
65°	6115.5	6169.8	6205.3	6458.8	6922.4	7355.4	6953.9	6486.4	6167.8	6072.1
67.5°	6376.9	6406.5	6493.3	6780.3	7269.6	7763.7	7352.4	6810.9	6454.8	6287.1
70°	5994.2	5934.0	6143.1	6602.8	7311.0	8014.3	7405.7	6589.0	6153.0	5880.8
72.5°	4632.0	4528.4	4891.4	5677.6	6837.5	7854.5	6884.9	5721.9	5117.3	4564.9
75°	2520.2	2402.8	2903.9	3898.1	5452.7	6807.9	5577.9	4009.6	3233.3	2501.4
77.5°	711.2	666.8	1071.2	1885.9	3279.7	4780.0	3405.9	1927.4	1270.4	753.6
80°	218.0	211.1	286.0	568.2	1392.8	2289.4	1338.5	575.1	364.0	229.8
82.5°	129.2	118.4	142.0	207.1	355.1	719.1	345.2	216.0	173.6	116.4
85°	74.0	69.0	83.8	100.6	119.4	152.9	99.6	102.6	92.7	62.1
87.5°	30.6	27.6	32.6	31.6	27.6	35.5	26.6	31.6	37.5	24.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1731.1
1725.2
1703.5
1679.8
1668.9
1668.9
1675.8
1688.7
1701.5
1707.4
1713.3
1728.1
1761.7
1813.9
1897.8
2014.2
2159.2
2343.6
2561.6
2810.2
3109.0
3471.0
3904.1
4395.3
4890.4
5465.5
6024.8
6289.1
5945.9
4702.0
2664.2
837.4
242.6
126.3
65.1
22.7
0.0

OF REPORT)