

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: P847481

Luminaire Tested: **GLAN-SB3C-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847481
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18819 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

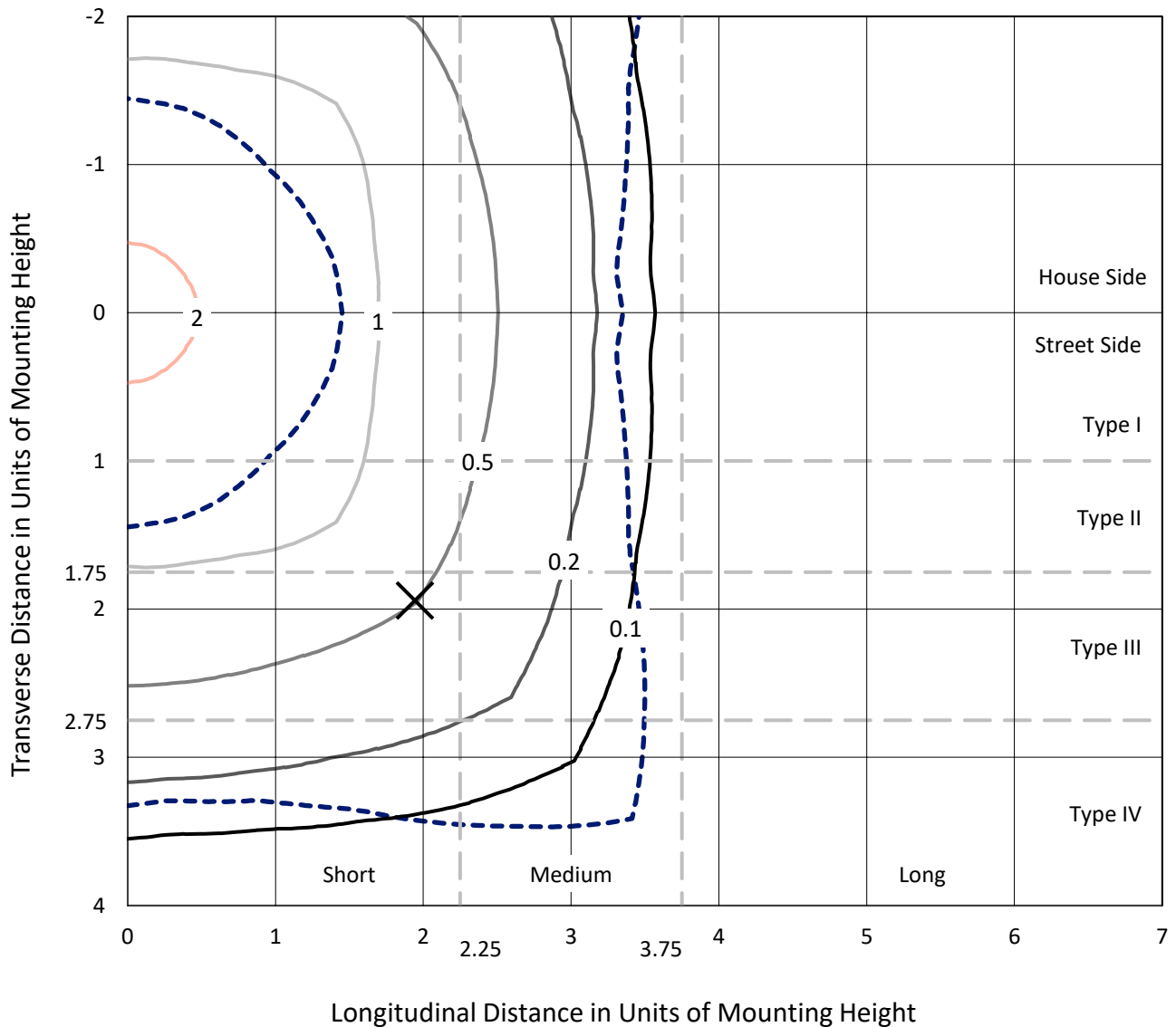
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

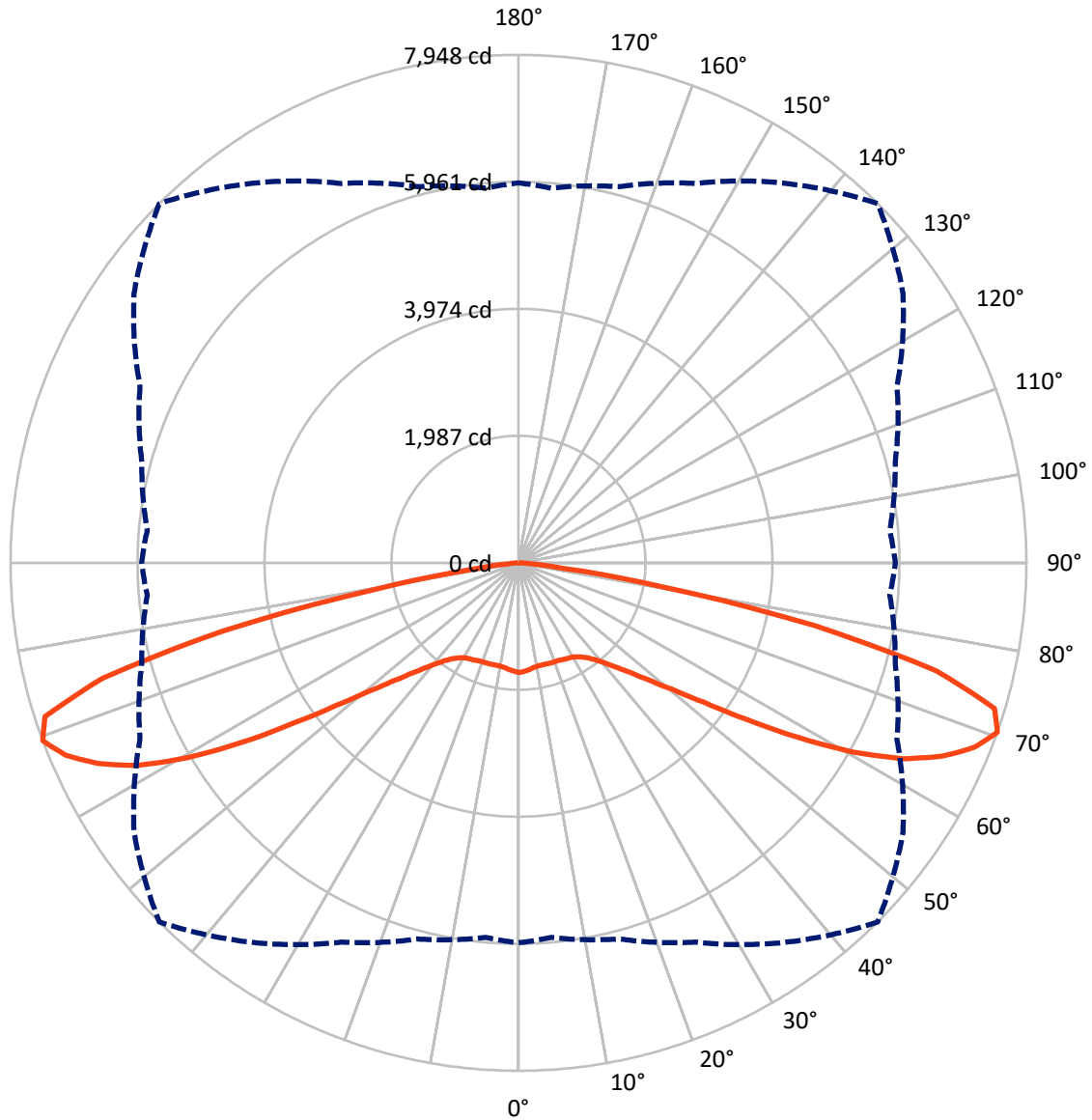
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	9409.5	0.0	9409.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9409.5	0.0	9409.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18819.0	0.0	18819.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.7	0.8
10°-20°	468.9	2.5
20°-30°	780.3	4.1
30°-40°	1180.1	6.3
40°-50°	1961.0	10.4
50°-60°	3700.3	19.7
60°-70°	6248.1	33.2
70°-80°	4105.6	21.8
80°-90°	215.1	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°	18819.0	100.0
0°-180°	18819.0	100.0

Coefficient of Utilization



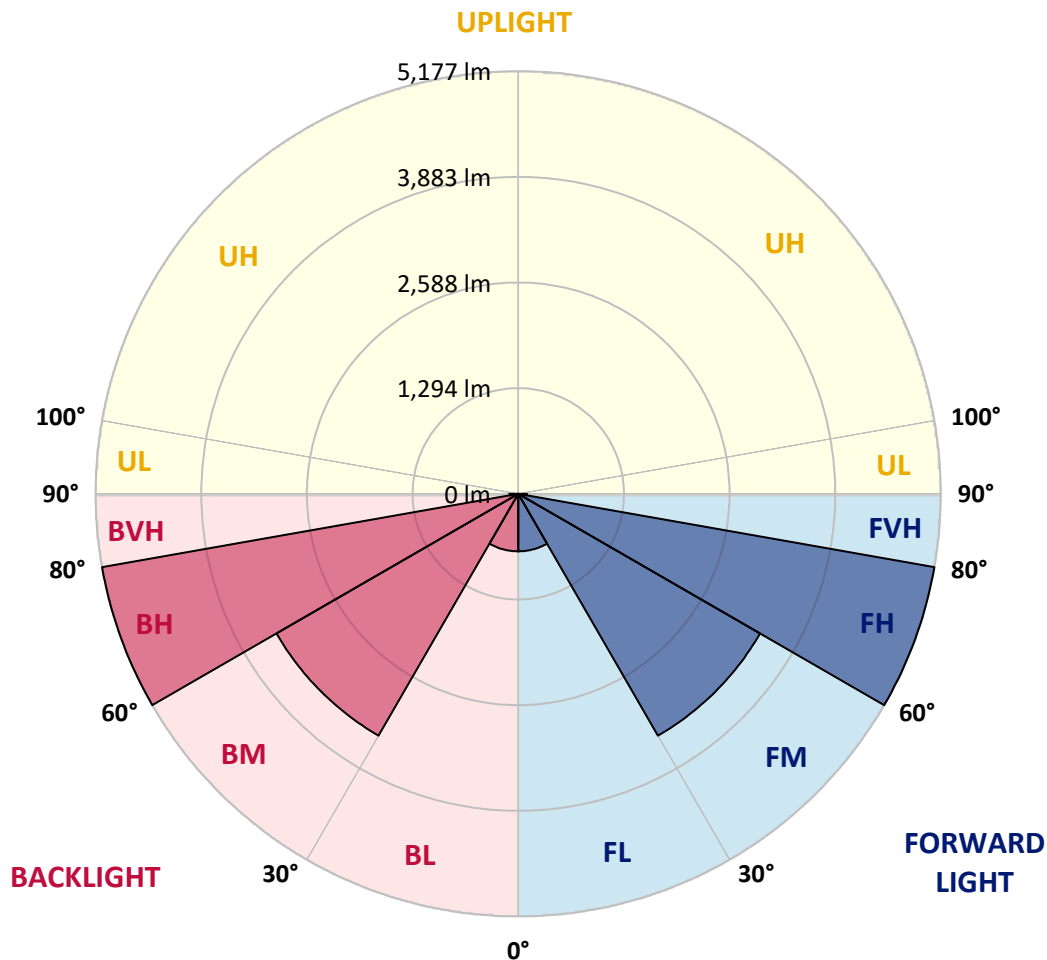
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	704.4	3.7			
FM (30°-60°)	3420.7	18.2			
FH (60°-80°)	5176.9	27.5			G3/7500
FVH (80°-90°)	107.5	0.6			G2/225
BL (0°-30°)	704.4	3.7	B2/1000		
BM (30°-60°)	3420.7	18.2	B3/5000		
BH (60°-80°)	5176.9	27.5	B5		G3/7500
BVH (80°-90°)	107.5	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°	1716.7	1716.7	1716.7	1716.7	1716.7	1716.7	1716.7	1716.7	1716.7	1716.7
2.5°	1705.9	1710.8	1708.8	1704.9	1704.9	1702.0	1704.9	1706.9	1709.8	1711.8
5°	1683.4	1687.3	1686.3	1683.4	1684.4	1681.5	1683.4	1686.3	1688.3	1689.3
7.5°	1663.9	1667.8	1665.8	1660.9	1660.9	1658.0	1659.0	1661.9	1664.8	1665.8
10°	1659.0	1662.9	1657.0	1649.2	1646.2	1642.3	1643.3	1646.2	1652.1	1655.0
12.5°	1660.9	1663.9	1658.0	1646.2	1643.3	1639.4	1639.4	1642.3	1650.2	1654.1
15°	1666.8	1669.7	1660.9	1648.2	1645.3	1642.3	1641.4	1645.3	1654.1	1660.9
17.5°	1677.5	1680.5	1666.8	1649.2	1645.3	1646.2	1645.3	1648.2	1661.9	1674.6
20°	1687.3	1689.3	1670.7	1649.2	1645.3	1646.2	1645.3	1651.1	1668.7	1686.3
22.5°	1690.3	1692.2	1674.6	1656.0	1653.1	1654.1	1653.1	1659.0	1675.6	1693.2
25°	1691.2	1694.2	1680.5	1665.8	1670.7	1672.7	1670.7	1671.7	1684.4	1700.0
27.5°	1705.9	1709.8	1697.1	1684.4	1687.3	1686.3	1689.3	1692.2	1702.0	1717.6
30°	1736.2	1739.2	1728.4	1715.7	1713.7	1706.9	1715.7	1725.5	1736.2	1749.9
32.5°	1786.1	1792.0	1778.3	1764.6	1755.8	1751.9	1758.7	1775.4	1790.0	1804.7
35°	1869.3	1873.2	1860.5	1835.0	1819.4	1819.4	1825.2	1846.8	1870.2	1888.8
37.5°	1986.6	1991.5	1969.0	1938.7	1915.2	1915.2	1923.1	1945.6	1980.8	2007.2
40°	2129.5	2136.3	2107.9	2076.6	2054.1	2050.2	2060.0	2085.4	2118.7	2152.0
42.5°	2301.6	2309.4	2272.3	2244.9	2227.3	2227.3	2232.2	2255.6	2286.0	2327.0
45°	2521.7	2535.4	2484.5	2457.1	2440.5	2444.4	2447.4	2467.9	2495.3	2542.2
47.5°	2783.8	2797.5	2743.7	2715.4	2712.4	2731.0	2719.3	2734.0	2748.6	2802.4
50°	3081.2	3104.7	3067.5	3065.6	3071.4	3105.7	3078.3	3086.1	3069.5	3103.7
52.5°	3445.1	3479.3	3472.5	3484.2	3549.7	3620.2	3557.6	3530.2	3467.6	3478.3
55°	3886.2	3938.1	3947.9	4018.3	4167.0	4310.8	4177.7	4067.2	3934.2	3909.7
57.5°	4388.0	4429.1	4476.1	4619.9	4897.6	5152.9	4897.6	4653.1	4443.8	4393.9
60°	4928.0	4978.8	5023.8	5236.1	5648.9	6007.9	5641.1	5252.7	4975.9	4908.4
62.5°	5508.0	5573.6	5604.9	5840.6	6321.9	6750.3	6328.7	5858.2	5551.1	5478.7
65°	6064.6	6118.4	6153.6	6405.0	6864.7	7294.1	6896.0	6432.4	6116.4	6021.6
67.5°	6323.8	6353.2	6439.2	6723.9	7209.0	7699.1	7291.2	6754.2	6401.1	6234.8
70°	5944.3	5884.6	6092.0	6547.8	7250.1	7947.6	7344.0	6534.1	6101.8	5831.8
72.5°	4593.4	4490.7	4850.7	5630.3	6780.6	7789.1	6827.6	5674.3	5074.7	4526.9
75°	2499.2	2382.8	2879.7	3865.7	5407.3	6751.3	5531.5	3976.2	3206.4	2480.6
77.5°	705.3	661.2	1062.3	1870.2	3252.4	4740.2	3377.6	1911.3	1259.9	747.3
80°	216.2	209.3	283.7	563.4	1381.2	2270.3	1327.4	570.3	360.9	227.9
82.5°	128.1	117.4	140.9	205.4	352.1	713.1	342.4	214.2	172.2	115.4
85°	73.4	68.5	83.1	99.8	118.4	151.6	98.8	101.7	91.9	61.6
87.5°	30.3	27.4	32.3	31.3	27.4	35.2	26.4	31.3	37.2	24.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1716.7
1710.8
1689.3
1665.8
1655.0
1655.0
1661.9
1674.6
1687.3
1693.2
1699.1
1713.7
1747.0
1798.8
1882.0
1997.4
2141.2
2324.1
2540.3
2786.8
3083.2
3442.1
3871.6
4358.7
4849.7
5420.0
5974.6
6236.8
5896.4
4662.9
2642.0
830.5
240.6
125.2
64.6
22.5
0.0

OF REPORT)