

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: P848001

Luminaire Tested: **GLAN-SB4B-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848001
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-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20301 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

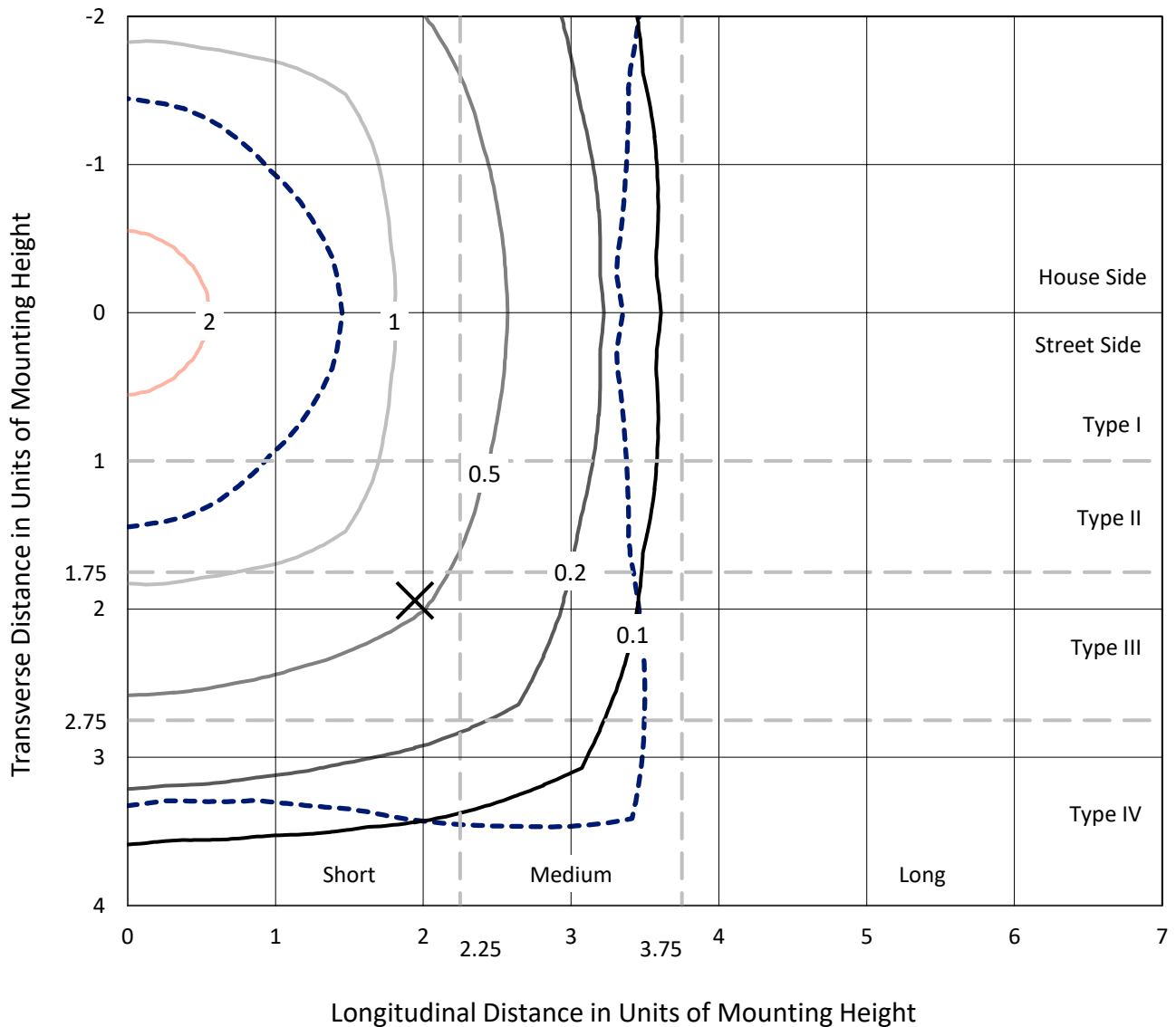
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

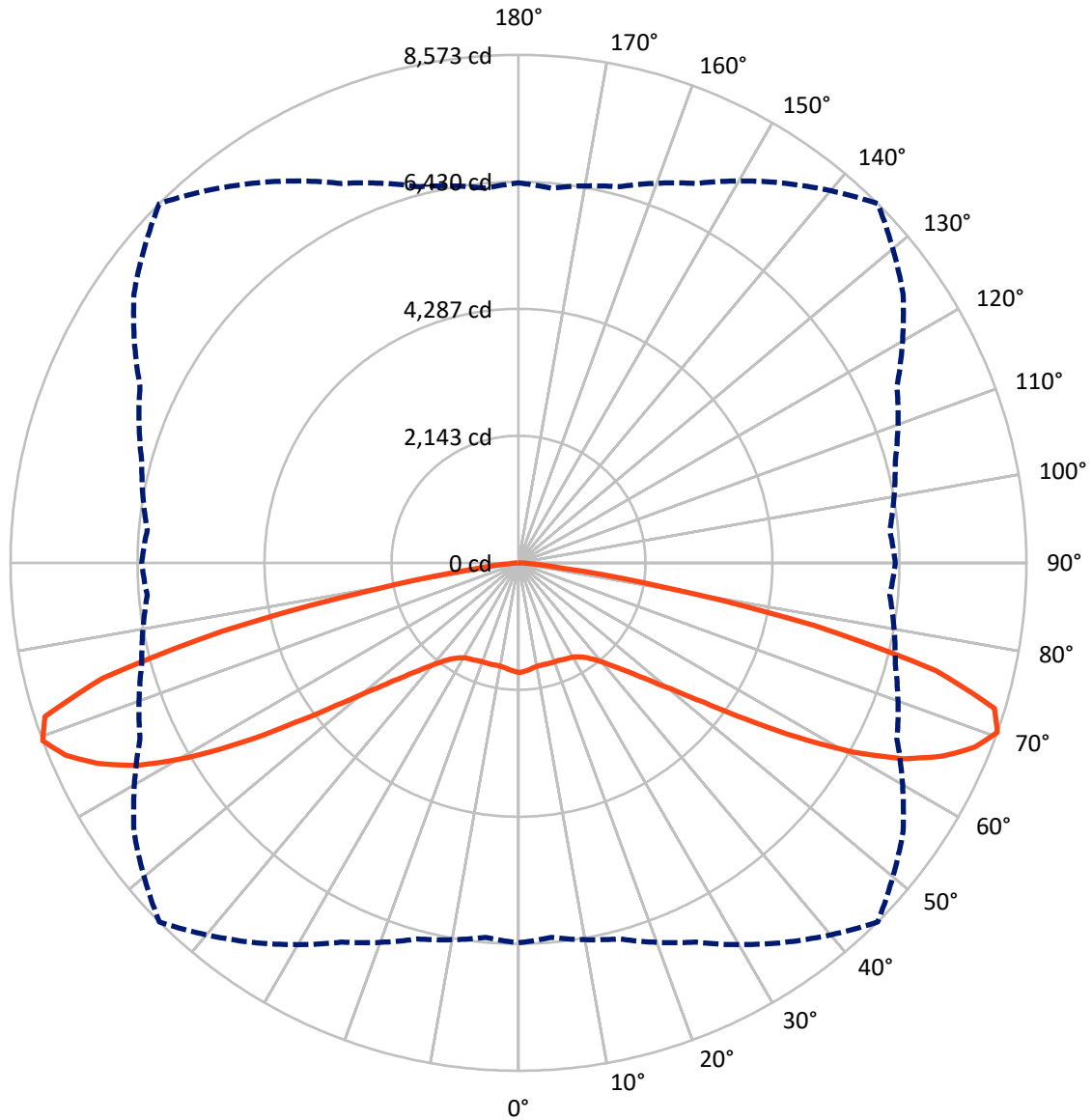
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	10150.5	0.0	10150.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10150.5	0.0	10150.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20301.0	0.0	20301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.3	0.8
10°-20°	505.8	2.5
20°-30°	841.8	4.1
30°-40°	1273.0	6.3
40°-50°	2115.4	10.4
50°-60°	3991.7	19.7
60°-70°	6740.1	33.2
70°-80°	4429.0	21.8
80°-90°	232.0	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°	20301.0	100.0
0°-180°	20301.0	100.0

Coefficient of Utilization



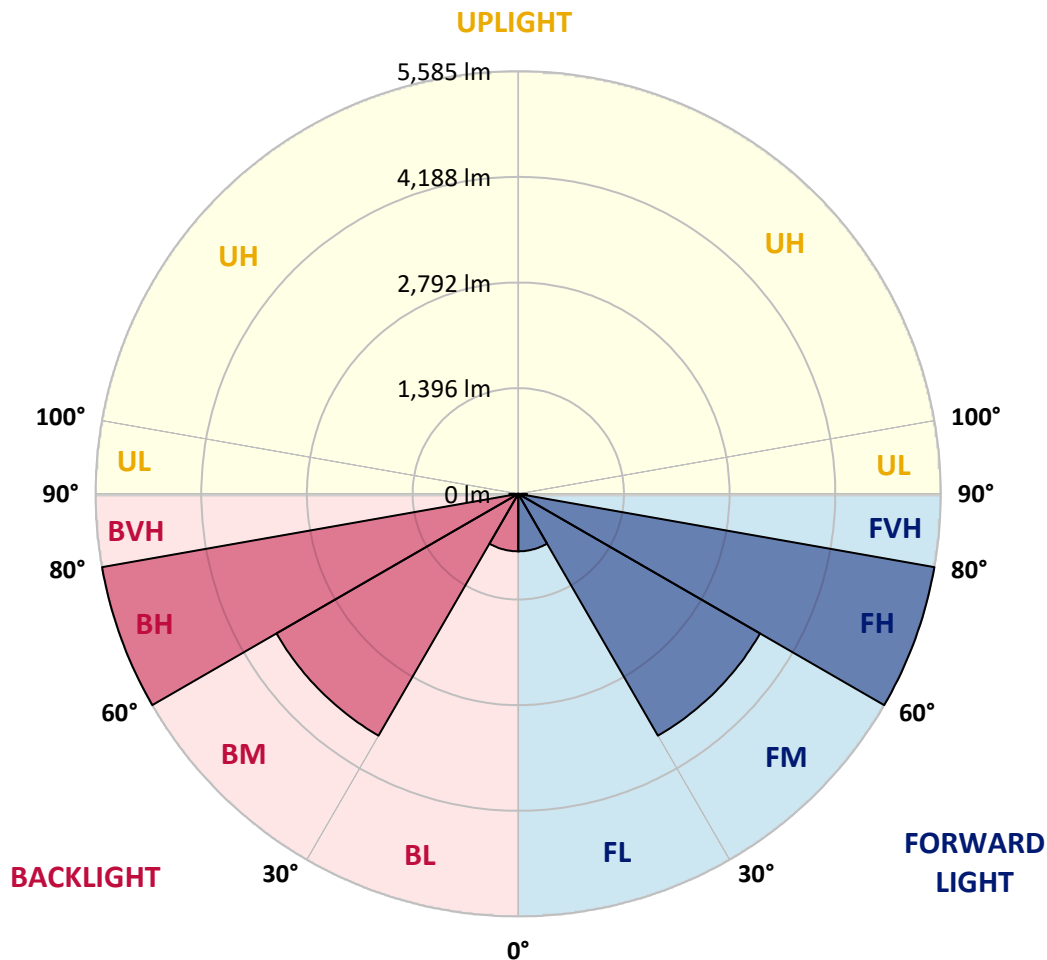
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	759.9	3.7			
FM (30°-60°)	3690.0	18.2			
FH (60°-80°)	5584.5	27.5			G3/7500
FVH (80°-90°)	116.0	0.6			G2/225
BL (0°-30°)	759.9	3.7	B2/1000		
BM (30°-60°)	3690.0	18.2	B3/5000		
BH (60°-80°)	5584.5	27.5	B5		G3/7500
BVH (80°-90°)	116.0	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°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9
2.5°	1840.3	1845.5	1843.4	1839.2	1839.2	1836.0	1839.2	1841.3	1844.5	1846.6
5°	1816.0	1820.2	1819.1	1816.0	1817.0	1813.9	1816.0	1819.1	1821.3	1822.3
7.5°	1794.9	1799.1	1797.0	1791.7	1791.7	1788.5	1789.6	1792.8	1795.9	1797.0
10°	1789.6	1793.8	1787.5	1779.1	1775.9	1771.7	1772.7	1775.9	1782.2	1785.4
12.5°	1791.7	1794.9	1788.5	1775.9	1772.7	1768.5	1768.5	1771.7	1780.1	1784.3
15°	1798.0	1801.2	1791.7	1778.0	1774.8	1771.7	1770.6	1774.8	1784.3	1791.7
17.5°	1809.7	1812.8	1798.0	1779.1	1774.8	1775.9	1774.8	1778.0	1792.8	1806.5
20°	1820.2	1822.3	1802.3	1779.1	1774.8	1775.9	1774.8	1781.2	1800.2	1819.1
22.5°	1823.4	1825.5	1806.5	1786.4	1783.3	1784.3	1783.3	1789.6	1807.5	1826.5
25°	1824.4	1827.6	1812.8	1797.0	1802.3	1804.4	1802.3	1803.3	1817.0	1833.9
27.5°	1840.3	1844.5	1830.8	1817.0	1820.2	1819.1	1822.3	1825.5	1836.0	1852.9
30°	1873.0	1876.1	1864.5	1850.8	1848.7	1841.3	1850.8	1861.4	1873.0	1887.7
32.5°	1926.8	1933.1	1918.3	1903.6	1894.1	1889.8	1897.2	1915.2	1931.0	1946.8
35°	2016.5	2020.7	2007.0	1979.5	1962.7	1962.7	1969.0	1992.2	2017.5	2037.6
37.5°	2143.1	2148.4	2124.1	2091.4	2066.1	2066.1	2074.5	2098.8	2136.8	2165.3
40°	2297.2	2304.5	2273.9	2240.2	2215.9	2211.7	2222.2	2249.7	2285.5	2321.4
42.5°	2482.9	2491.3	2451.2	2421.7	2402.7	2402.7	2407.9	2433.3	2466.0	2510.3
45°	2720.3	2735.1	2680.2	2650.6	2632.7	2636.9	2640.1	2662.2	2691.8	2742.4
47.5°	3003.1	3017.8	2959.8	2929.2	2926.0	2946.1	2933.4	2949.3	2965.1	3023.1
50°	3323.9	3349.2	3309.1	3307.0	3313.3	3350.2	3320.7	3329.1	3311.2	3348.1
52.5°	3716.4	3753.3	3745.9	3758.6	3829.3	3905.3	3837.7	3808.2	3740.7	3752.3
55°	4192.3	4248.2	4258.8	4334.7	4495.1	4650.2	4506.7	4387.5	4244.0	4217.6
57.5°	4733.6	4777.9	4828.6	4983.7	5283.3	5558.7	5283.3	5019.5	4793.7	4739.9
60°	5316.1	5370.9	5419.5	5648.4	6093.7	6481.0	6085.3	5666.4	5367.8	5294.9
62.5°	5941.8	6012.5	6046.2	6300.5	6819.7	7281.9	6827.1	6319.5	5988.2	5910.1
65°	6542.2	6600.2	6638.2	6909.4	7405.3	7868.6	7439.1	6938.9	6598.1	6495.8
67.5°	6821.8	6853.5	6946.3	7253.4	7776.8	8305.4	7865.4	7286.1	6905.2	6725.8
70°	6412.4	6348.0	6571.7	7063.4	7821.1	8573.4	7922.4	7048.7	6582.3	6291.0
72.5°	4955.2	4844.4	5232.7	6073.7	7314.6	8402.5	7365.2	6121.2	5474.3	4883.4
75°	2696.0	2570.4	3106.5	4170.1	5833.1	7282.9	5967.1	4289.4	3458.9	2676.0
77.5°	760.8	713.3	1145.9	2017.5	3508.5	5113.5	3643.6	2061.8	1359.1	806.2
80°	233.2	225.8	306.0	607.8	1489.9	2449.1	1431.9	615.2	389.4	245.9
82.5°	138.2	126.6	151.9	221.6	379.9	769.2	369.3	231.1	185.7	124.5
85°	79.1	73.9	89.7	107.6	127.7	163.6	106.6	109.7	99.2	66.5
87.5°	32.7	29.5	34.8	33.8	29.5	38.0	28.5	33.8	40.1	26.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1851.9
1845.5
1822.3
1797.0
1785.4
1785.4
1792.8
1806.5
1820.2
1826.5
1832.9
1848.7
1884.6
1940.5
2030.2
2154.7
2309.8
2507.1
2740.3
3006.2
3326.0
3713.2
4176.4
4701.9
5231.6
5846.8
6445.1
6727.9
6360.7
5030.1
2850.1
895.9
259.6
135.1
69.6
24.3
0.0

OF REPORT)