

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: P846911

Luminaire Tested: **GLAN-SB2D-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846911
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-SB2D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20200 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

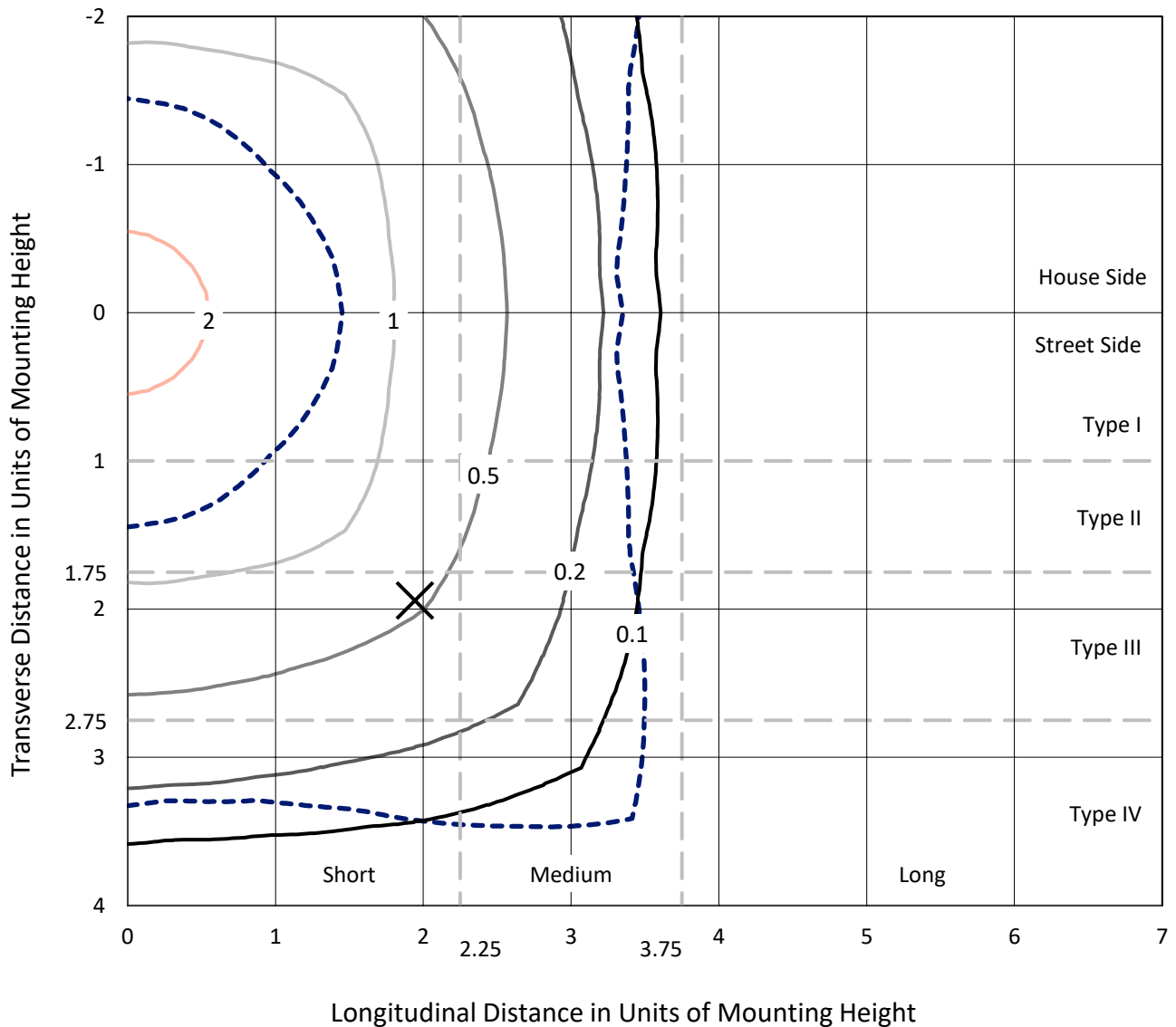
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

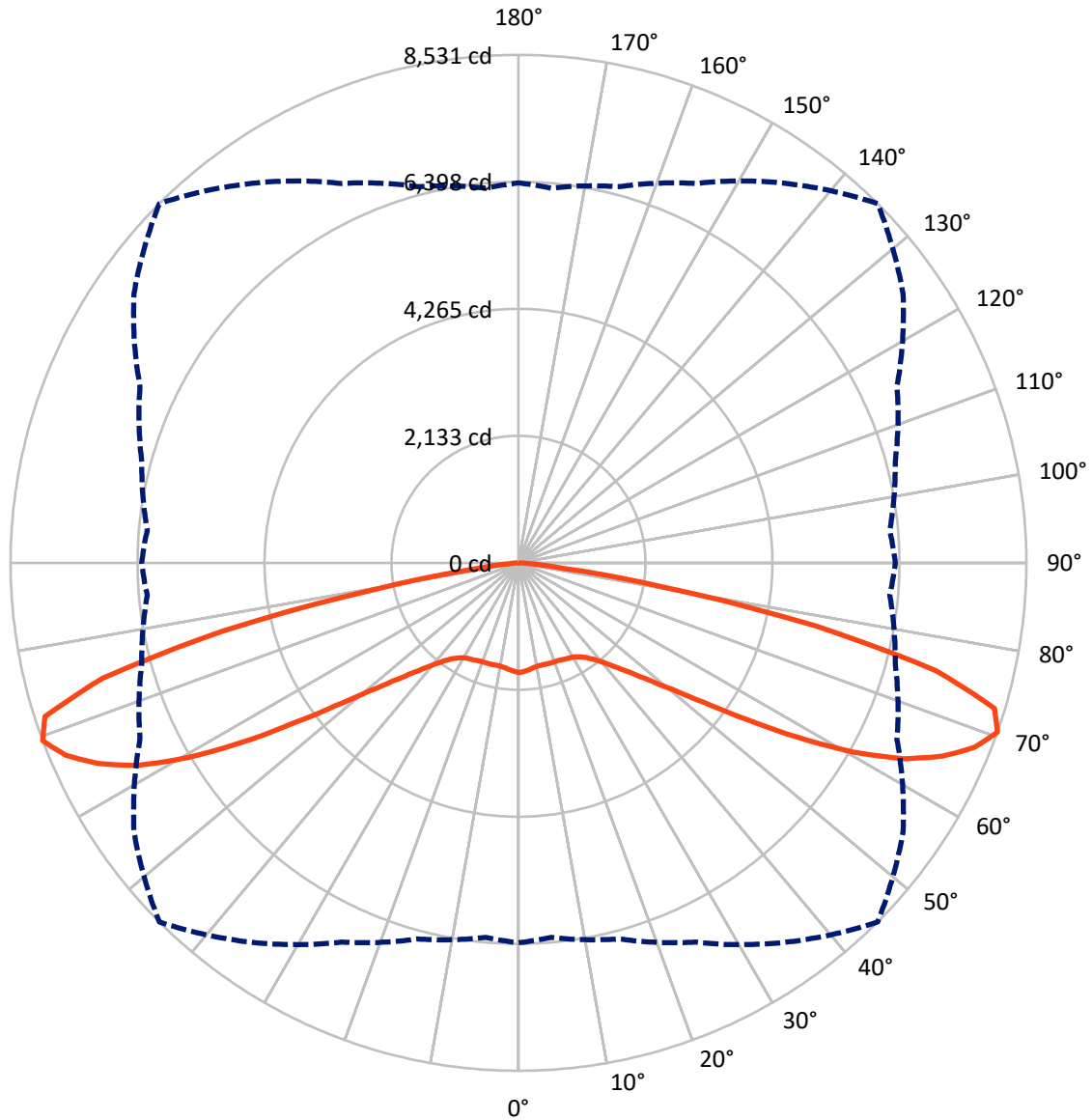
✕ Max cd
 - - - 1/2 Max cd



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	10100.0	0.0	10100.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10100.0	0.0	10100.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20200.0	0.0	20200.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.4	0.8
10°-20°	503.3	2.5
20°-30°	837.6	4.1
30°-40°	1266.6	6.3
40°-50°	2104.9	10.4
50°-60°	3971.8	19.7
60°-70°	6706.6	33.2
70°-80°	4406.9	21.8
80°-90°	230.9	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°	20200.0	100.0
0°-180°	20200.0	100.0

Coefficient of Utilization



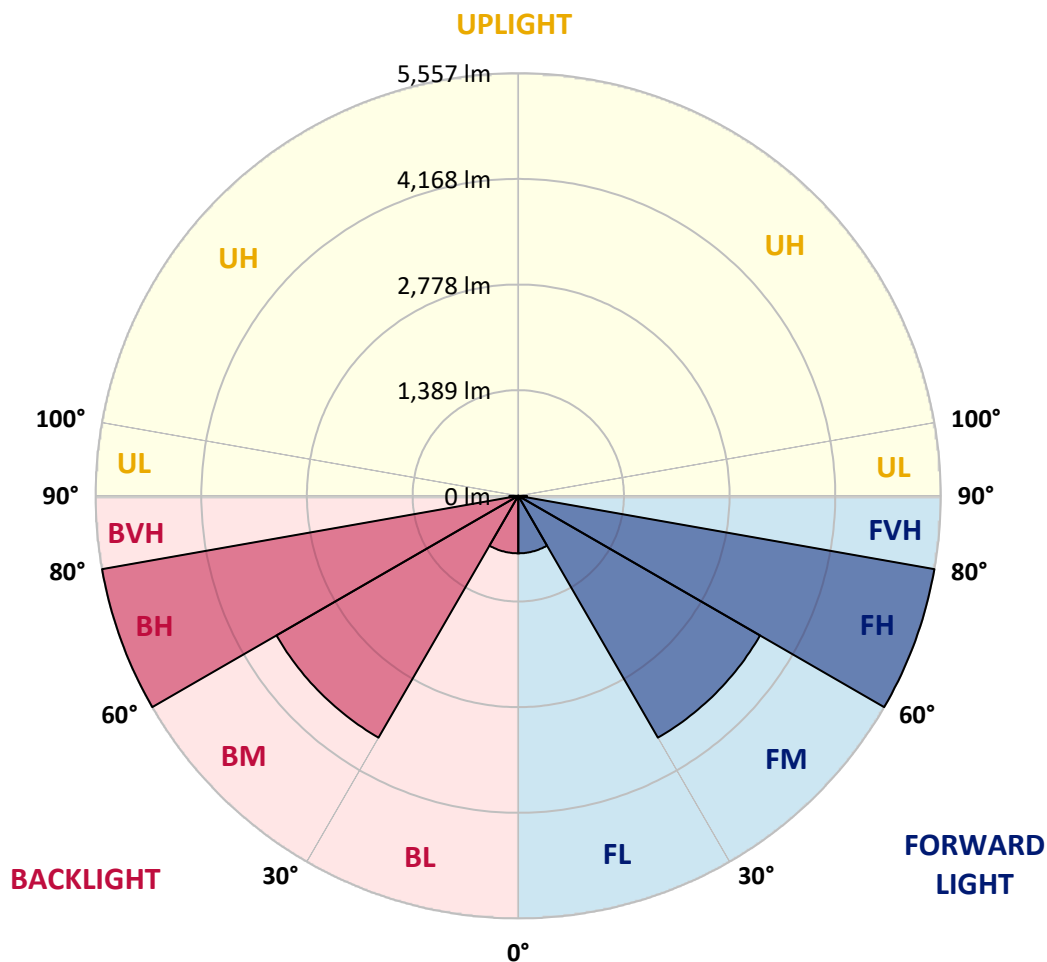
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	756.1	3.7			
FM (30°-60°)	3671.7	18.2			
FH (60°-80°)	5556.8	27.5			G3/7500
FVH (80°-90°)	115.4	0.6			G2/225
BL (0°-30°)	756.1	3.7	B2/1000		
BM (30°-60°)	3671.7	18.2	B3/5000		
BH (60°-80°)	5556.8	27.5	B5		G3/7500
BVH (80°-90°)	115.4	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°	1842.6	1842.6	1842.6	1842.6	1842.6	1842.6	1842.6	1842.6	1842.6	1842.6
2.5°	1831.1	1836.3	1834.2	1830.0	1830.0	1826.9	1830.0	1832.1	1835.3	1837.4
5°	1806.9	1811.1	1810.1	1806.9	1808.0	1804.8	1806.9	1810.1	1812.2	1813.2
7.5°	1785.9	1790.1	1788.0	1782.8	1782.8	1779.7	1780.7	1783.8	1787.0	1788.0
10°	1780.7	1784.9	1778.6	1770.2	1767.1	1762.9	1763.9	1767.1	1773.4	1776.5
12.5°	1782.8	1785.9	1779.7	1767.1	1763.9	1759.7	1759.7	1762.9	1771.3	1775.5
15°	1789.1	1792.2	1782.8	1769.2	1766.0	1762.9	1761.8	1766.0	1775.5	1782.8
17.5°	1800.6	1803.8	1789.1	1770.2	1766.0	1767.1	1766.0	1769.2	1783.8	1797.5
20°	1811.1	1813.2	1793.3	1770.2	1766.0	1767.1	1766.0	1772.3	1791.2	1810.1
22.5°	1814.3	1816.4	1797.5	1777.6	1774.4	1775.5	1774.4	1780.7	1798.5	1817.4
25°	1815.3	1818.5	1803.8	1788.0	1793.3	1795.4	1793.3	1794.3	1808.0	1824.8
27.5°	1831.1	1835.3	1821.6	1808.0	1811.1	1810.1	1813.2	1816.4	1826.9	1843.7
30°	1863.6	1866.8	1855.2	1841.6	1839.5	1832.1	1841.6	1852.1	1863.6	1878.3
32.5°	1917.2	1923.5	1908.8	1894.1	1884.6	1880.4	1887.8	1905.6	1921.4	1937.1
35°	2006.4	2010.6	1997.0	1969.7	1952.9	1952.9	1959.2	1982.3	2007.5	2027.4
37.5°	2132.4	2137.7	2113.5	2081.0	2055.8	2055.8	2064.2	2088.3	2126.1	2154.5
40°	2285.7	2293.1	2262.6	2229.0	2204.9	2200.7	2211.2	2238.5	2274.2	2309.9
42.5°	2470.5	2478.9	2439.0	2409.6	2390.7	2390.7	2396.0	2421.2	2453.7	2497.8
45°	2706.7	2721.4	2666.9	2637.5	2619.6	2623.8	2627.0	2649.0	2678.4	2728.8
47.5°	2988.1	3002.8	2945.1	2914.6	2911.5	2931.4	2918.8	2934.6	2950.3	3008.1
50°	3307.3	3332.5	3292.6	3290.5	3296.8	3333.6	3304.2	3312.6	3294.7	3331.5
52.5°	3697.9	3734.6	3727.3	3739.9	3810.2	3885.8	3818.6	3789.2	3722.0	3733.6
55°	4171.4	4227.1	4237.6	4313.2	4472.7	4627.1	4484.3	4365.7	4222.9	4196.6
57.5°	4710.0	4754.1	4804.5	4958.9	5257.1	5531.1	5257.1	4994.6	4769.9	4716.3
60°	5289.6	5344.2	5392.5	5620.3	6063.4	6448.7	6055.0	5638.2	5341.1	5268.6
62.5°	5912.2	5982.6	6016.2	6269.2	6785.8	7245.6	6793.1	6288.1	5958.4	5880.7
65°	6509.6	6567.4	6605.2	6875.0	7368.5	7829.4	7402.1	6904.4	6565.3	6463.4
67.5°	6787.9	6819.4	6911.8	7217.3	7738.1	8264.1	7826.3	7249.8	6870.8	6692.3
70°	6380.5	6316.4	6539.0	7028.3	7782.2	8530.8	7883.0	7013.6	6549.5	6259.7
72.5°	4930.5	4820.3	5206.7	6043.5	7278.2	8360.7	7328.6	6090.7	5447.1	4859.1
75°	2682.6	2557.7	3091.0	4149.4	5804.1	7246.7	5937.4	4268.0	3441.7	2662.7
77.5°	757.0	709.8	1140.2	2007.5	3491.1	5088.0	3625.4	2051.6	1352.3	802.2
80°	232.0	224.7	304.5	604.8	1482.5	2436.9	1424.8	612.1	387.4	244.6
82.5°	137.5	126.0	151.2	220.5	378.0	765.4	367.5	229.9	184.8	123.9
85°	78.7	73.5	89.2	107.1	127.0	162.7	106.0	109.2	98.7	66.1
87.5°	32.5	29.4	34.6	33.6	29.4	37.8	28.3	33.6	39.9	26.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1842.6
1836.3
1813.2
1788.0
1776.5
1776.5
1783.8
1797.5
1811.1
1817.4
1823.7
1839.5
1875.2
1930.8
2020.1
2144.0
2298.3
2494.7
2726.7
2991.3
3309.4
3694.7
4155.7
4678.5
5205.6
5817.7
6413.0
6694.4
6329.0
5005.1
2835.9
891.4
258.3
134.4
69.3
24.1
0.0

OF REPORT)