

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: P848701

Luminaire Tested: **GLAN-SB5B-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848701
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-SB5B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18529 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

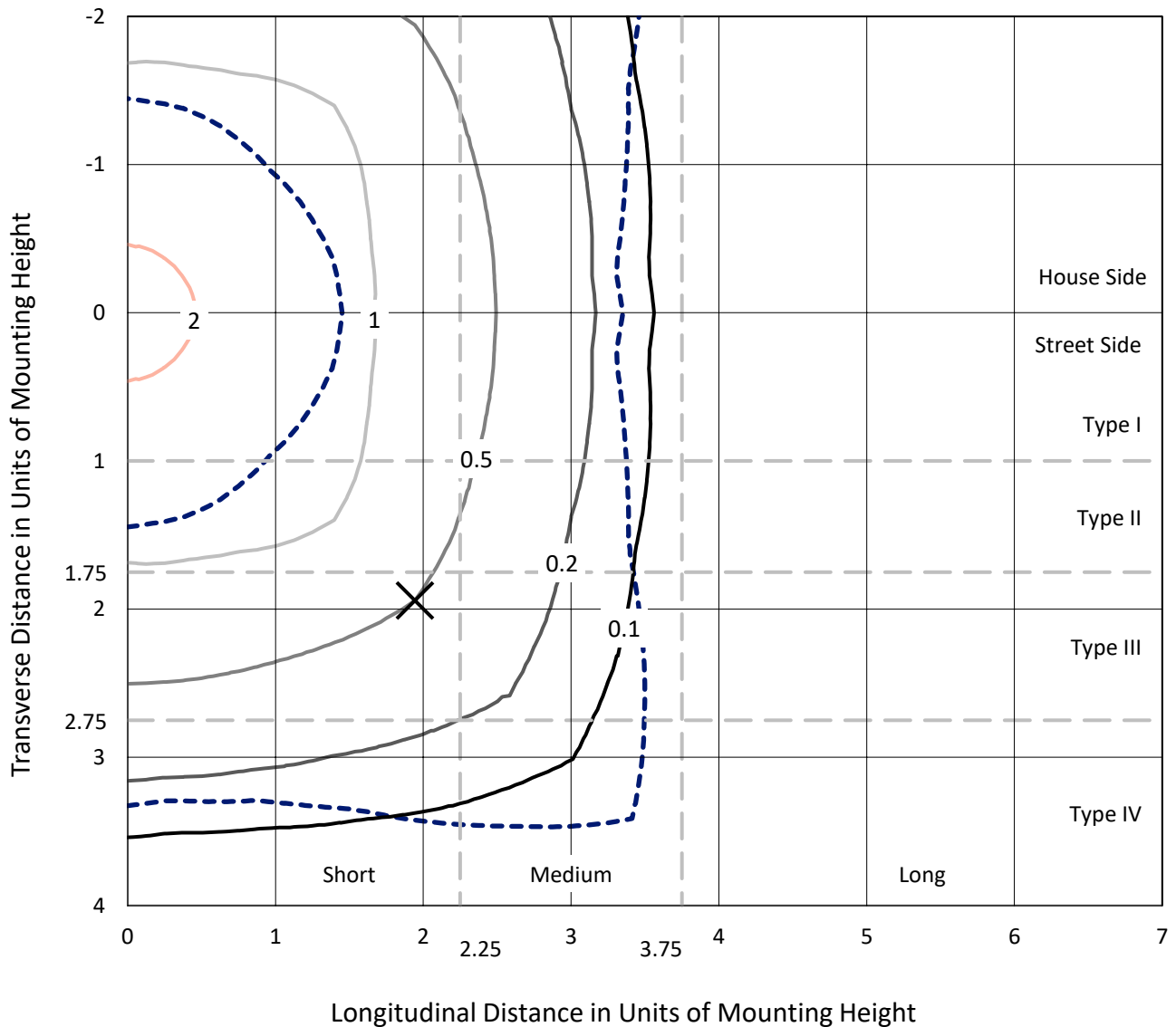
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

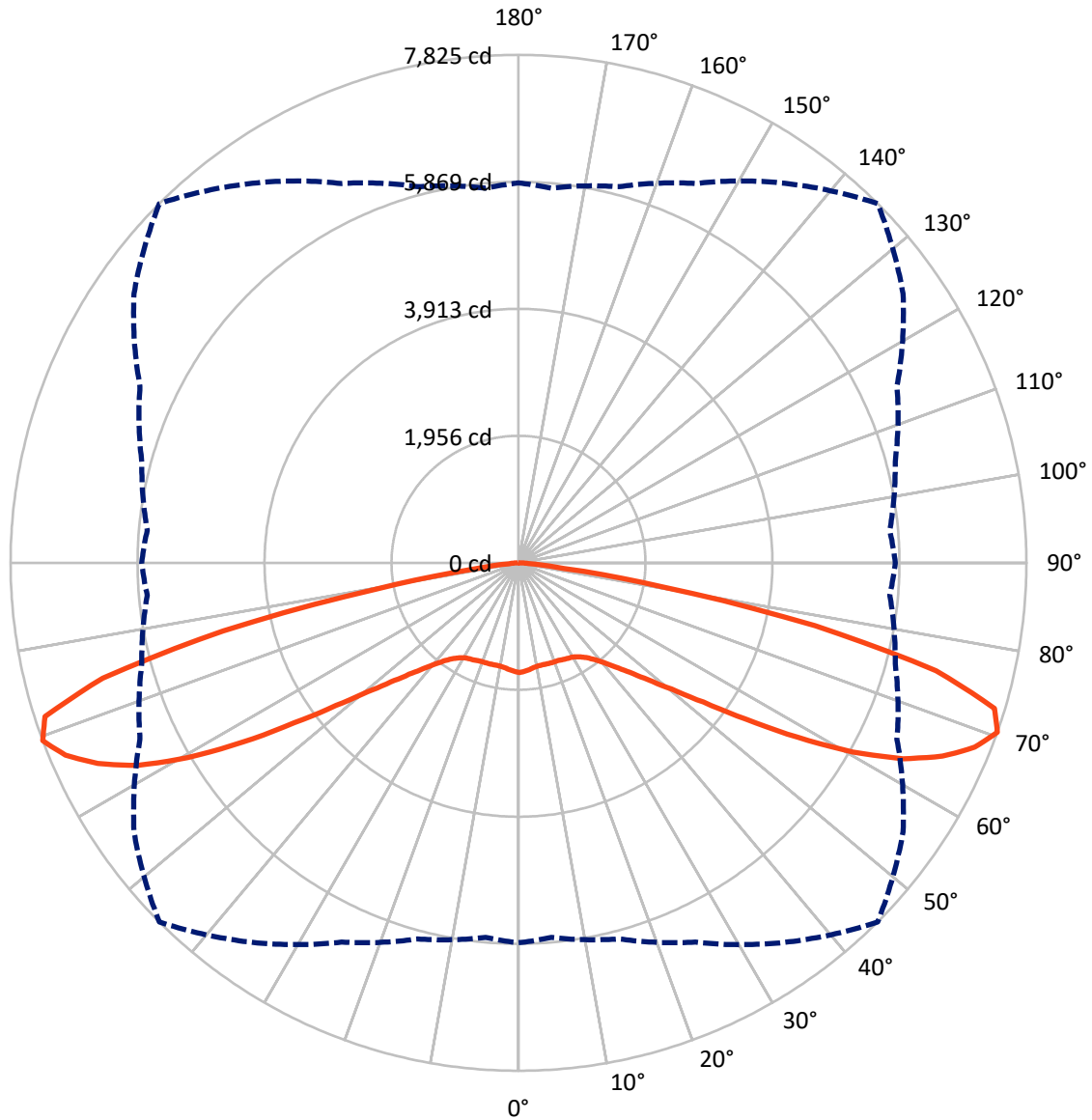
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	9264.5	0.0	9264.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9264.5	0.0	9264.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18529.0	0.0	18529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.2	0.8
10°-20°	461.7	2.5
20°-30°	768.3	4.1
30°-40°	1161.9	6.3
40°-50°	1930.7	10.4
50°-60°	3643.3	19.7
60°-70°	6151.8	33.2
70°-80°	4042.4	21.8
80°-90°	211.8	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°	18529.0	100.0
0°-180°	18529.0	100.0

Coefficient of Utilization



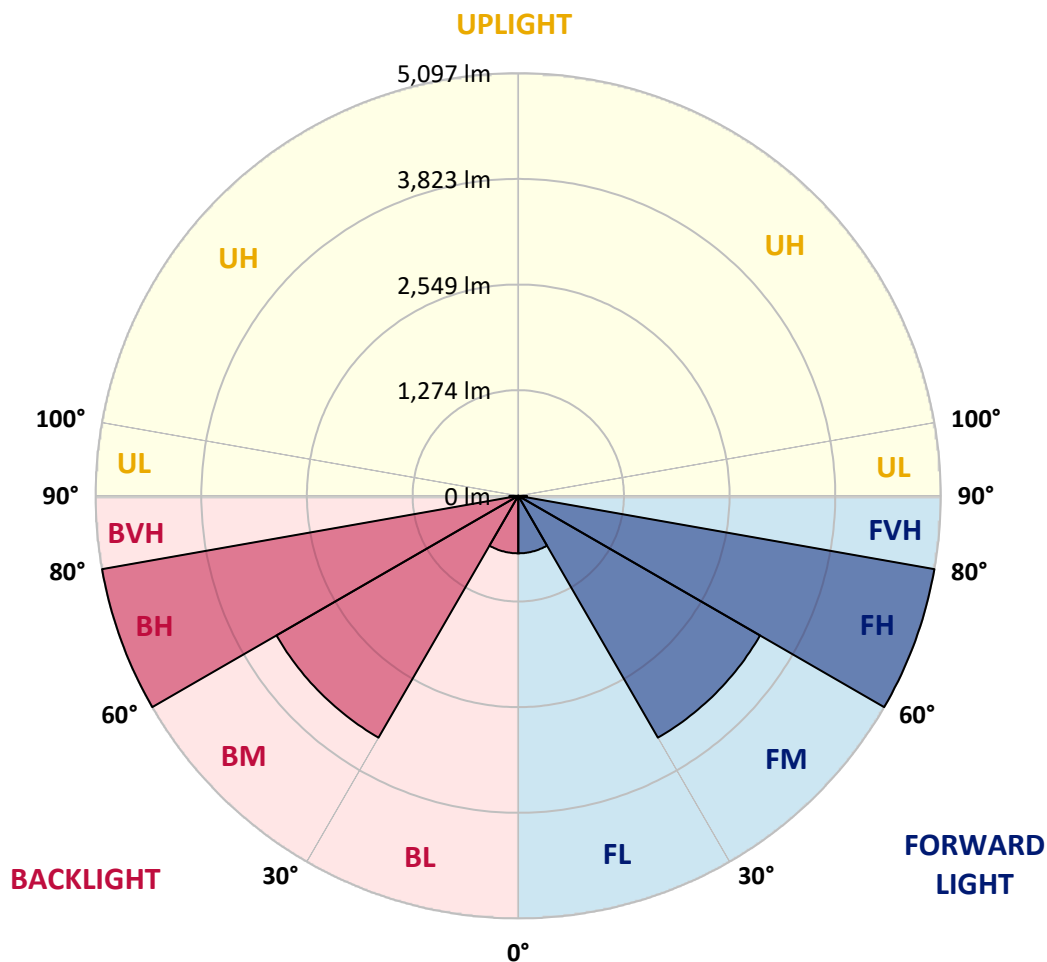
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	693.6	3.7			
FM (30°-60°)	3367.9	18.2			
FH (60°-80°)	5097.1	27.5			G3/7500
FVH (80°-90°)	105.9	0.6			G2/225
BL (0°-30°)	693.6	3.7	B2/1000		
BM (30°-60°)	3367.9	18.2	B3/5000		
BH (60°-80°)	5097.1	27.5	B5		G3/7500
BVH (80°-90°)	105.9	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°	1690.2	1690.2	1690.2	1690.2	1690.2	1690.2	1690.2	1690.2	1690.2	1690.2
2.5°	1679.6	1684.4	1682.5	1678.7	1678.7	1675.8	1678.7	1680.6	1683.5	1685.4
5°	1657.5	1661.3	1660.4	1657.5	1658.4	1655.5	1657.5	1660.4	1662.3	1663.3
7.5°	1638.2	1642.1	1640.1	1635.3	1635.3	1632.4	1633.4	1636.3	1639.2	1640.1
10°	1633.4	1637.2	1631.5	1623.8	1620.9	1617.0	1618.0	1620.9	1626.7	1629.5
12.5°	1635.3	1638.2	1632.4	1620.9	1618.0	1614.1	1614.1	1617.0	1624.7	1628.6
15°	1641.1	1644.0	1635.3	1622.8	1619.9	1617.0	1616.1	1619.9	1628.6	1635.3
17.5°	1651.7	1654.6	1641.1	1623.8	1619.9	1620.9	1619.9	1622.8	1636.3	1648.8
20°	1661.3	1663.3	1645.0	1623.8	1619.9	1620.9	1619.9	1625.7	1643.0	1660.4
22.5°	1664.2	1666.1	1648.8	1630.5	1627.6	1628.6	1627.6	1633.4	1649.8	1667.1
25°	1665.2	1668.1	1654.6	1640.1	1645.0	1646.9	1645.0	1645.9	1658.4	1673.8
27.5°	1679.6	1683.5	1671.0	1658.4	1661.3	1660.4	1663.3	1666.1	1675.8	1691.2
30°	1709.5	1712.4	1701.8	1689.3	1687.3	1680.6	1689.3	1698.9	1709.5	1723.0
32.5°	1758.6	1764.4	1750.9	1737.4	1728.7	1724.9	1731.6	1748.0	1762.4	1776.9
35°	1840.5	1844.3	1831.8	1806.8	1791.3	1791.3	1797.1	1818.3	1841.4	1859.7
37.5°	1956.0	1960.8	1938.7	1908.8	1885.7	1885.7	1893.4	1915.6	1950.3	1976.3
40°	2096.6	2103.4	2075.5	2044.6	2022.5	2018.6	2028.3	2053.3	2086.0	2118.8
42.5°	2266.1	2273.8	2237.3	2210.3	2192.9	2192.9	2197.8	2220.9	2250.7	2291.2
45°	2482.8	2496.3	2446.2	2419.3	2402.9	2406.8	2409.6	2429.9	2456.8	2503.1
47.5°	2740.9	2754.4	2701.5	2673.5	2670.6	2688.9	2677.4	2691.8	2706.3	2759.2
50°	3033.7	3056.8	3020.2	3018.3	3024.1	3057.8	3030.8	3038.5	3022.2	3055.9
52.5°	3392.0	3425.7	3419.0	3430.5	3495.0	3564.4	3502.7	3475.8	3414.1	3424.7
55°	3826.3	3877.4	3887.0	3956.4	4102.8	4244.3	4113.3	4004.5	3873.5	3849.5
57.5°	4320.4	4360.9	4407.1	4548.7	4822.2	5073.5	4822.2	4581.4	4375.3	4326.2
60°	4852.0	4902.1	4946.4	5155.4	5561.8	5915.3	5554.1	5171.8	4899.2	4832.8
62.5°	5423.1	5487.7	5518.5	5750.6	6224.4	6646.3	6231.2	5767.9	5465.5	5394.3
65°	5971.1	6024.1	6058.8	6306.3	6758.9	7181.7	6789.8	6333.3	6022.2	5928.8
67.5°	6226.4	6255.3	6340.0	6620.3	7098.0	7580.5	7178.9	6650.1	6302.4	6138.7
70°	5852.7	5793.9	5998.1	6446.9	7138.4	7825.1	7230.9	6433.4	6007.7	5741.9
72.5°	4522.7	4421.5	4775.9	5543.5	6676.1	7669.1	6722.3	5586.9	4996.5	4457.2
75°	2460.7	2346.1	2835.3	3806.1	5323.9	6647.2	5446.3	3914.9	3157.0	2442.4
77.5°	694.4	651.0	1045.9	1841.4	3202.3	4667.1	3325.5	1881.9	1240.5	735.8
80°	212.8	206.1	279.3	554.7	1359.9	2235.3	1306.9	561.5	355.4	224.4
82.5°	126.2	115.6	138.7	202.2	346.7	702.1	337.1	210.9	169.5	113.6
85°	72.2	67.4	81.9	98.2	116.5	149.3	97.3	100.2	90.5	60.7
87.5°	29.9	27.0	31.8	30.8	27.0	34.7	26.0	30.8	36.6	24.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1690.2
1684.4
1663.3
1640.1
1629.5
1629.5
1636.3
1648.8
1661.3
1667.1
1672.9
1687.3
1720.1
1771.1
1853.0
1966.6
2108.2
2288.3
2501.1
2743.8
3035.7
3389.1
3811.9
4291.5
4775.0
5336.5
5882.5
6140.6
5805.5
4591.0
2601.3
817.7
236.9
123.3
63.6
22.2
0.0

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