

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: P846614

Luminaire Tested: **GLAN-SB2B-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8882 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

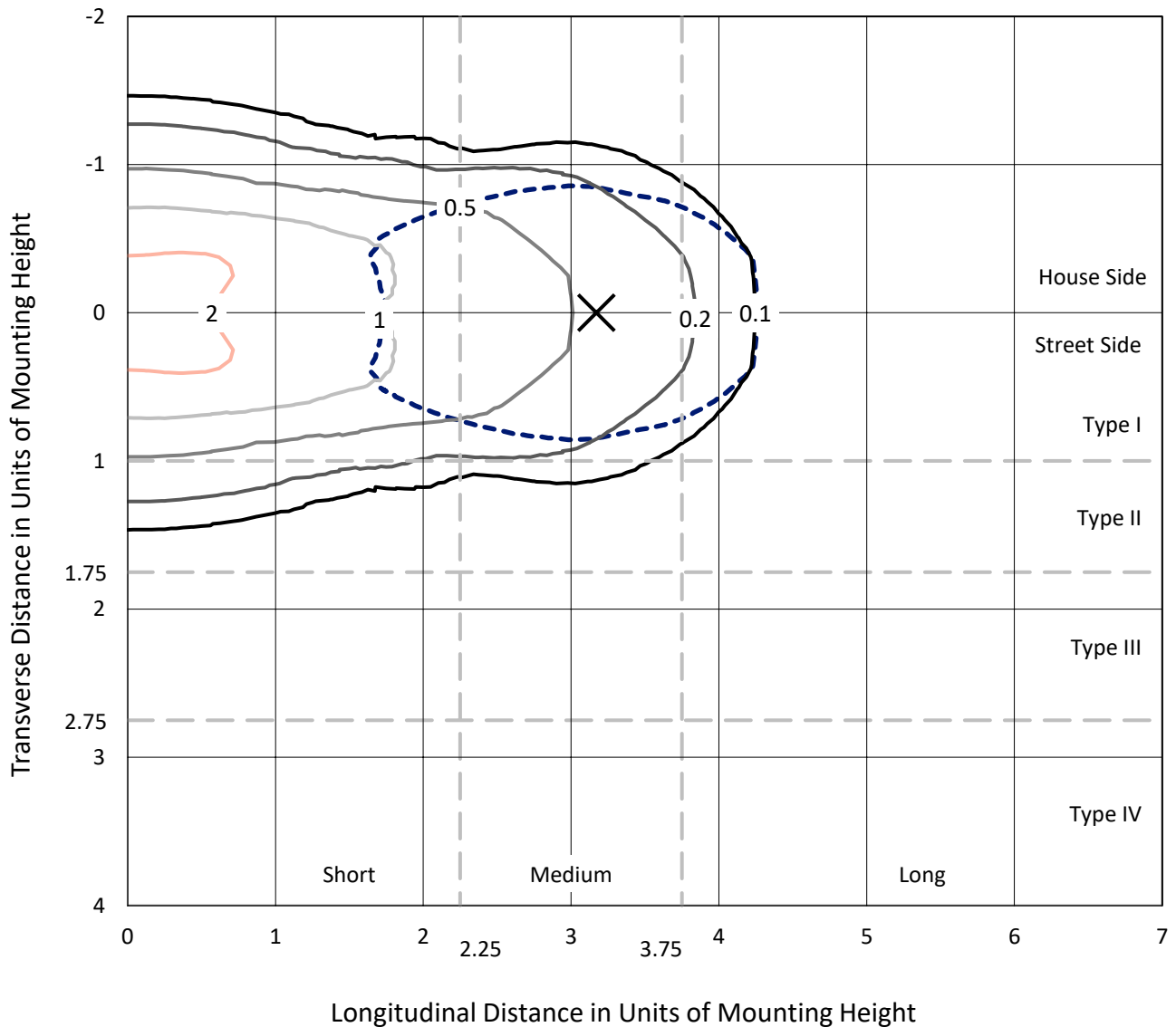
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

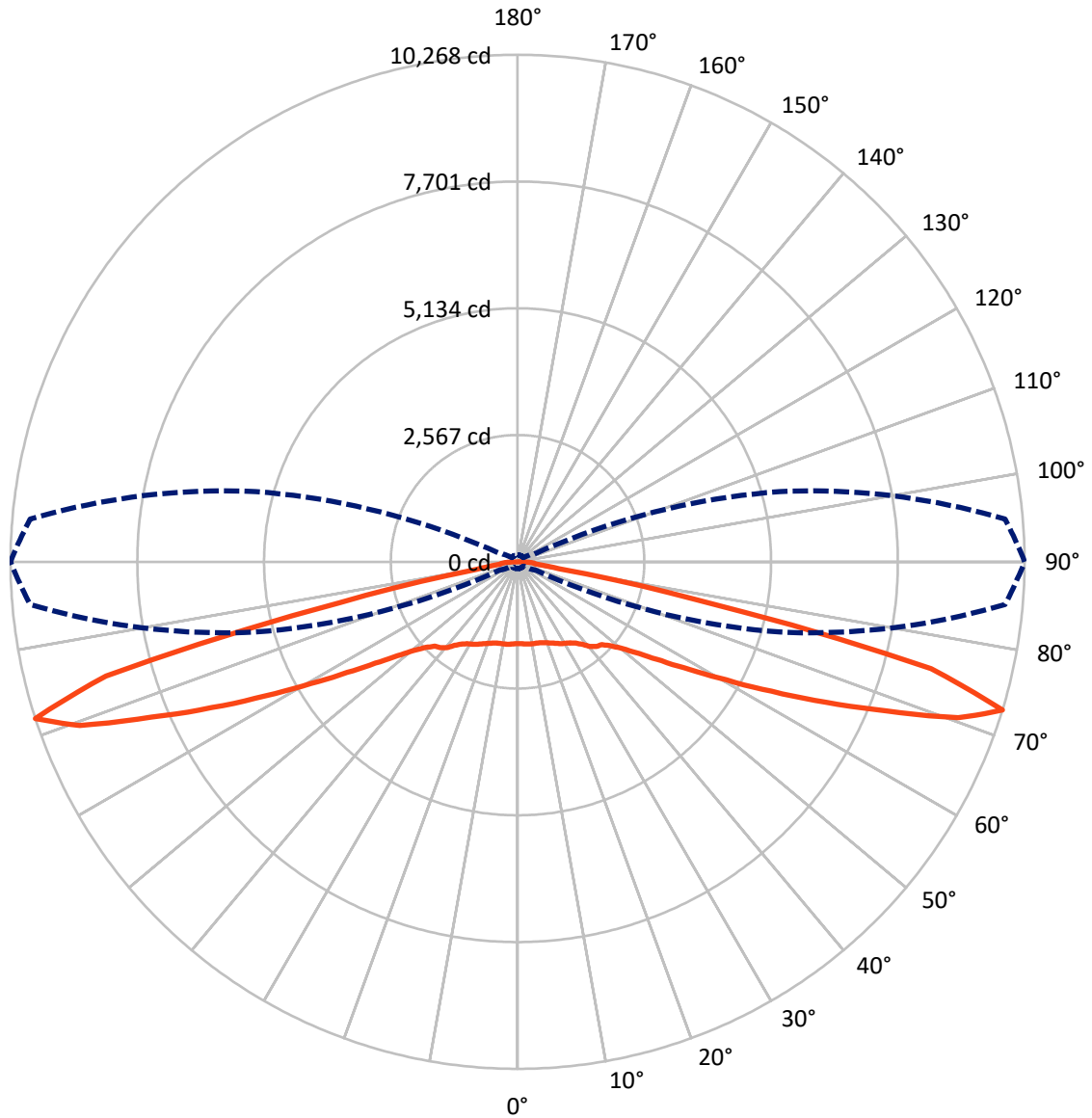
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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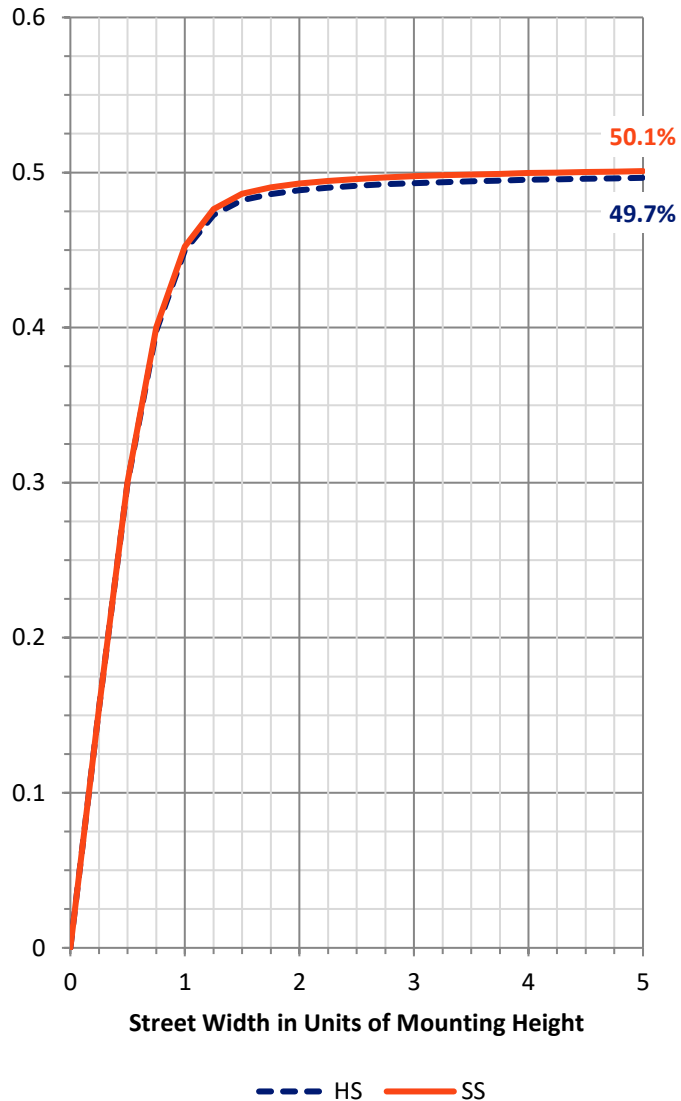
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4441.0	0.0	4441.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4441.0	0.0	4441.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8882.0	0.0	8882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.9	1.8
10°-20°	492.1	5.5
20°-30°	820.5	9.2
30°-40°	1128.4	12.7
40°-50°	1378.1	15.5
50°-60°	1593.9	17.9
60°-70°	1900.4	21.4
70°-80°	1326.4	14.9
80°-90°	81.5	0.9
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°	8882.0	100.0
0°-180°	8882.0	100.0

Coefficient of Utilization



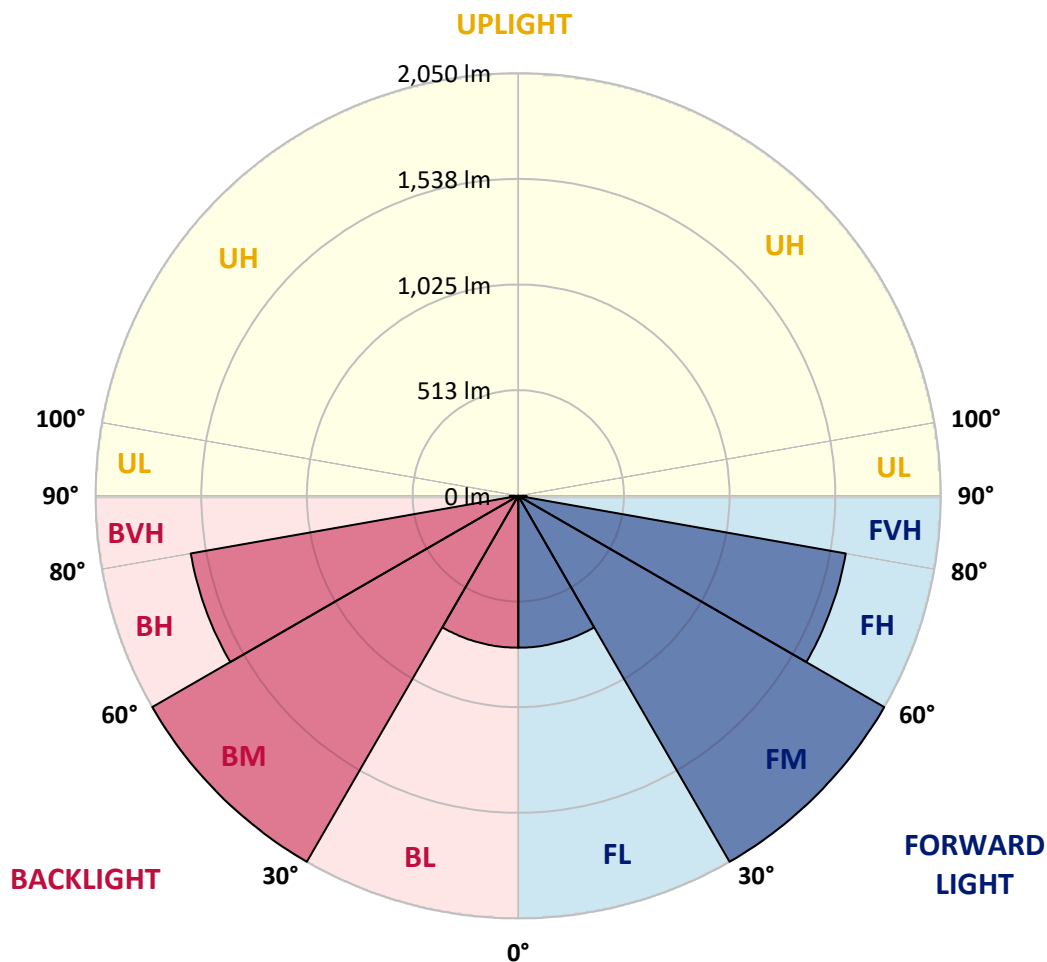
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	736.7	8.3			
FM (30°-60°)	2050.2	23.1			
FH (60°-80°)	1613.4	18.2			G1/1800
FVH (80°-90°)	40.7	0.5			G1/100
BL (0°-30°)	736.7	8.3	B2/1000		
BM (30°-60°)	2050.2	23.1	B2/2500		
BH (60°-80°)	1613.4	18.2	B3/2500		G3/2500
BVH (80°-90°)	40.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1659.7	1659.7	1659.7	1659.7	1659.7	1659.7	1659.7	1659.7	1659.7	1659.7
2.5°	1661.1	1663.0	1663.0	1661.6	1664.9	1662.1	1662.1	1660.6	1662.1	1660.6
5°	1669.6	1672.0	1672.9	1672.4	1676.7	1674.3	1674.3	1672.4	1672.9	1671.5
7.5°	1685.7	1689.0	1690.9	1693.2	1699.3	1696.5	1694.6	1689.0	1686.6	1682.8
10°	1690.9	1694.6	1700.8	1713.0	1727.2	1727.7	1722.0	1707.8	1697.0	1688.5
12.5°	1674.8	1680.0	1692.7	1717.8	1749.4	1762.1	1753.2	1729.6	1708.3	1693.2
15°	1654.5	1660.2	1679.5	1717.3	1764.0	1793.8	1792.8	1761.7	1727.7	1704.1
17.5°	1622.9	1628.5	1656.4	1709.3	1775.3	1824.4	1837.7	1805.6	1757.9	1726.3
20°	1565.8	1571.0	1609.7	1683.8	1779.1	1857.0	1891.5	1863.1	1803.7	1760.7
22.5°	1491.6	1499.7	1545.0	1639.9	1770.2	1891.0	1952.8	1933.5	1857.0	1797.5
25°	1412.3	1420.8	1473.7	1586.1	1747.0	1915.5	2025.5	2013.3	1917.4	1843.3
27.5°	1343.9	1352.9	1410.5	1532.7	1711.1	1925.0	2097.3	2103.4	1990.6	1893.8
30°	1290.1	1298.6	1359.9	1489.8	1664.9	1915.5	2160.1	2202.5	2065.2	1937.7
32.5°	1231.1	1241.9	1306.6	1437.4	1610.1	1892.9	2214.8	2309.7	2151.6	1984.9
35°	1156.5	1166.4	1234.4	1365.6	1538.4	1856.5	2260.6	2428.6	2275.2	2056.7
37.5°	1065.9	1075.3	1142.8	1275.9	1467.1	1805.6	2295.5	2562.7	2422.5	2160.1
40°	974.8	983.7	1047.0	1175.9	1381.7	1740.4	2307.8	2693.9	2591.5	2302.1
42.5°	891.2	899.2	957.3	1077.2	1285.8	1657.3	2291.8	2808.2	2743.0	2401.3
45°	814.3	821.4	872.8	984.7	1186.2	1556.3	2243.6	2930.9	2923.3	2472.1
47.5°	726.5	733.6	786.9	895.0	1086.6	1437.8	2161.9	3051.7	3174.0	2632.6
50°	619.3	625.5	680.2	791.6	983.3	1311.8	2048.7	3146.6	3490.3	2875.7
52.5°	492.3	498.9	552.3	663.7	860.5	1176.3	1899.5	3208.5	3855.6	3230.6
55°	366.3	371.0	417.3	517.4	708.5	1022.0	1712.6	3225.9	4270.1	3715.9
57.5°	265.8	268.6	298.3	372.9	537.2	828.9	1485.5	3180.6	4763.4	4338.1
60°	215.3	216.2	225.2	258.2	373.4	610.8	1211.3	3024.8	5298.7	5140.1
62.5°	195.4	195.4	197.8	206.8	252.5	403.1	879.4	2702.0	5872.7	6153.5
65°	181.7	181.7	182.7	186.9	199.2	256.8	555.1	2176.1	6356.5	7340.7
67.5°	169.5	169.9	169.5	170.9	178.0	189.8	321.9	1503.0	6617.1	8570.8
70°	156.7	157.7	155.3	155.3	161.0	161.4	201.6	824.2	6400.9	9601.8
72.5°	141.6	143.0	139.3	138.3	142.6	140.7	151.5	395.6	5495.5	9909.6
75°	128.4	130.3	121.8	119.4	119.4	118.0	123.2	203.0	3566.7	8083.7
77.5°	116.6	120.4	106.7	99.1	97.2	93.0	100.5	124.1	1560.1	3795.2
80°	96.3	101.5	87.8	78.8	75.5	70.8	79.3	86.9	464.0	881.3
82.5°	71.8	74.1	62.3	56.2	53.3	50.0	59.5	60.4	151.1	312.0
85°	45.8	46.7	38.2	33.0	31.6	30.2	37.8	33.0	57.6	229.4
87.5°	16.0	18.4	14.6	13.2	14.2	11.8	17.5	9.9	16.0	161.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1659.7
1660.6
1671.5
1682.8
1687.1
1690.9
1700.3
1721.1
1752.7
1786.7
1828.2
1877.8
1914.6
1955.7
2024.1
2116.6
2255.9
2341.8
2391.8
2540.1
2759.6
3087.6
3537.0
4112.9
4856.4
5773.5
6860.2
8052.1
9465.4
10268.3
8646.4
3716.4
844.0
352.6
333.3
200.6
0.0

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