

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: P847184

Luminaire Tested: **GLAN-SB3A-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847184
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-SB3A-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8983 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

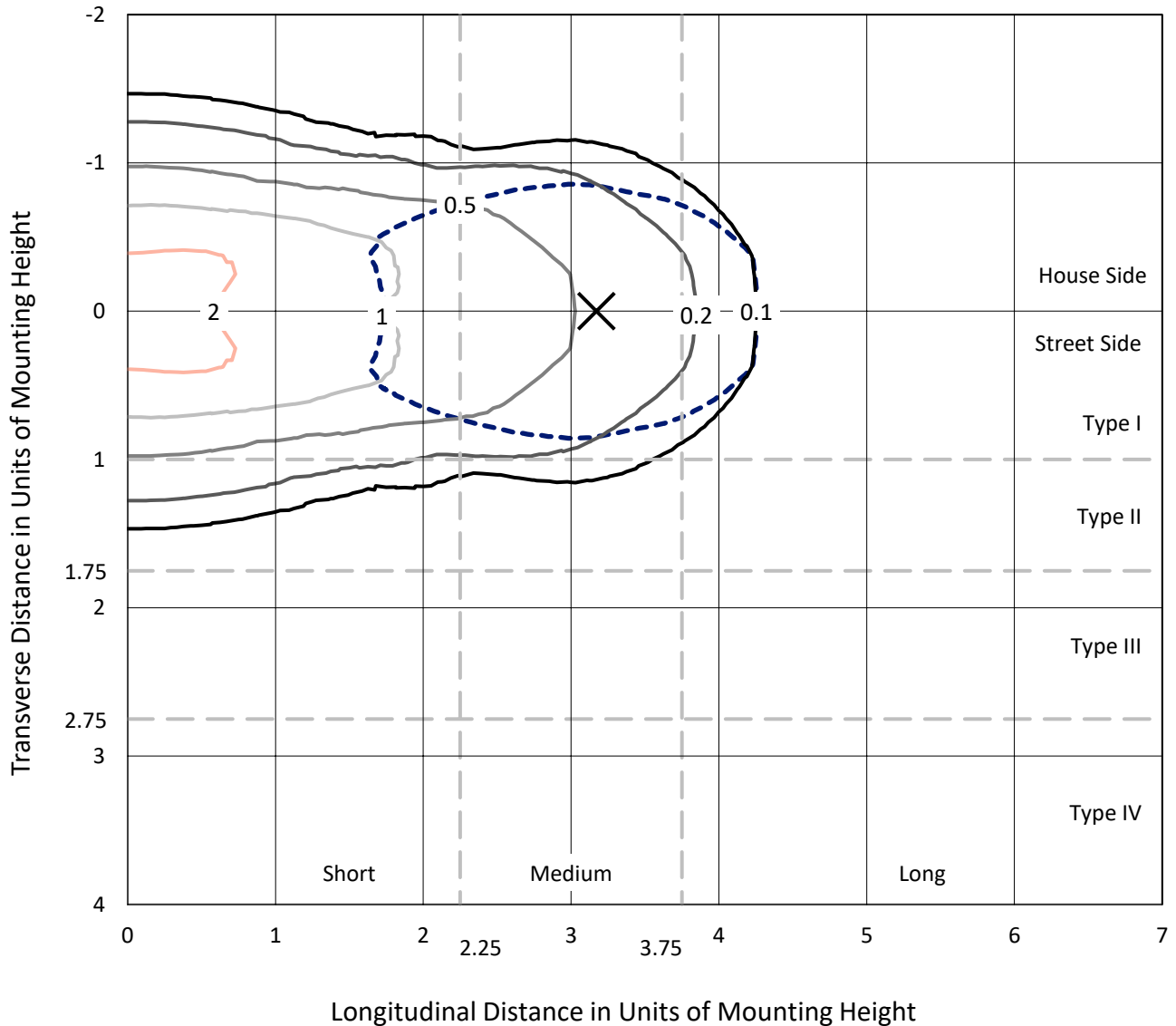
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

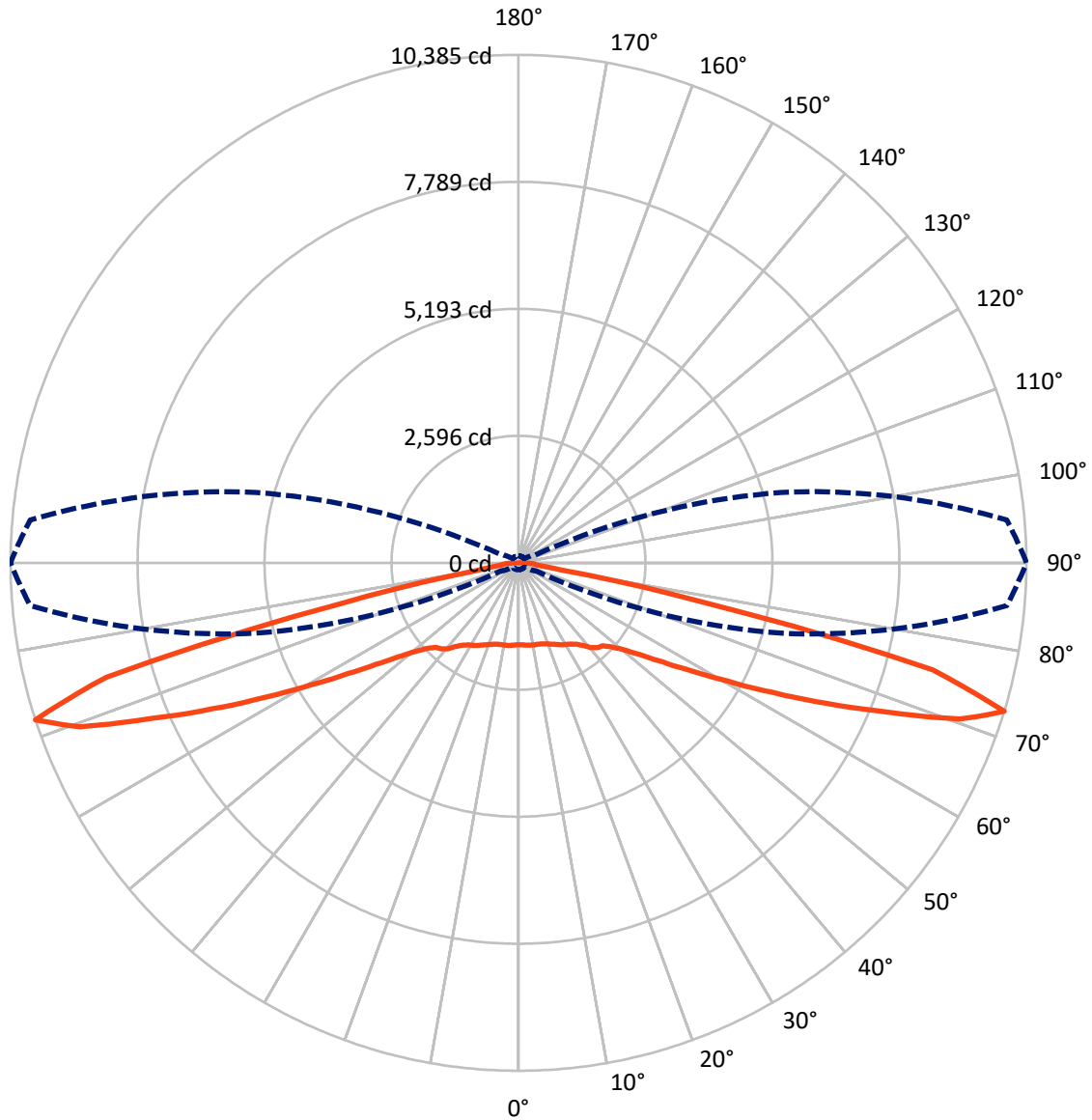
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type 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 | 4491.5 | 0.0 | 4491.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4491.5 | 0.0 | 4491.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 8983.0 | 0.0 | 8983.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 162.8 | 1.8 |
| 10°-20° | 497.6 | 5.5 |
| 20°-30° | 829.8 | 9.2 |
| 30°-40° | 1141.2 | 12.7 |
| 40°-50° | 1393.7 | 15.5 |
| 50°-60° | 1612.0 | 17.9 |
| 60°-70° | 1922.0 | 21.4 |
| 70°-80° | 1341.5 | 14.9 |
| 80°-90° | 82.4 | 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° | 8983.0 | 100.0 |
| 0°-180° | 8983.0 | 100.0 |

Coefficient of Utilization



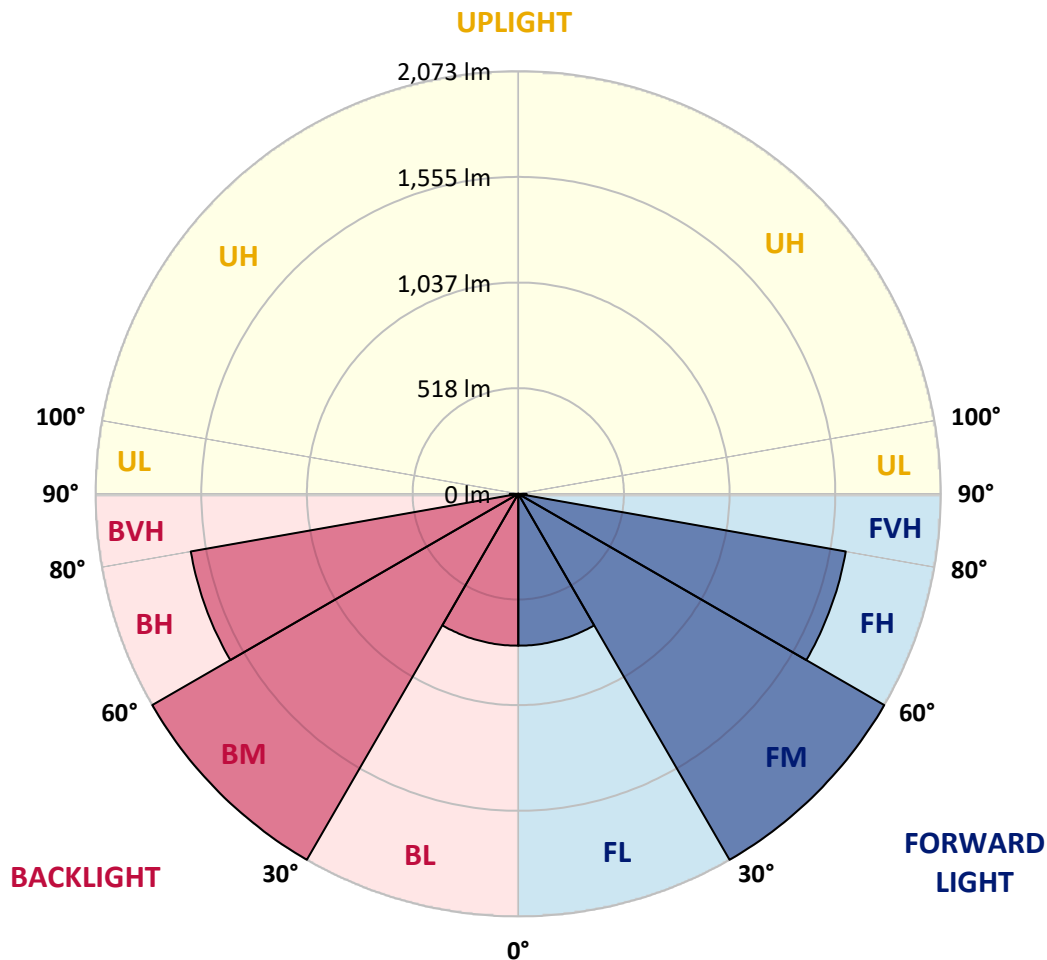
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 745.1 | 8.3 | | | |
| FM (30°-60°) | 2073.5 | 23.1 | | | |
| FH (60°-80°) | 1631.8 | 18.2 | | | G1/1800 |
| FVH (80°-90°) | 41.2 | 0.5 | | | G1/100 |
| BL (0°-30°) | 745.1 | 8.3 | B2/1000 | | |
| BM (30°-60°) | 2073.5 | 23.1 | B2/2500 | | |
| BH (60°-80°) | 1631.8 | 18.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 41.2 | 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° | 1678.6 | 1678.6 | 1678.6 | 1678.6 | 1678.6 | 1678.6 | 1678.6 | 1678.6 | 1678.6 | 1678.6 |
| 2.5° | 1680.0 | 1681.9 | 1681.9 | 1680.5 | 1683.8 | 1681.0 | 1681.0 | 1679.5 | 1681.0 | 1679.5 |
| 5° | 1688.6 | 1691.0 | 1691.9 | 1691.5 | 1695.8 | 1693.4 | 1693.4 | 1691.5 | 1691.9 | 1690.5 |
| 7.5° | 1704.8 | 1708.2 | 1710.1 | 1712.5 | 1718.7 | 1715.8 | 1713.9 | 1708.2 | 1705.8 | 1702.0 |
| 10° | 1710.1 | 1713.9 | 1720.1 | 1732.5 | 1746.8 | 1747.3 | 1741.6 | 1727.3 | 1716.3 | 1707.7 |
| 12.5° | 1693.8 | 1699.1 | 1712.0 | 1737.3 | 1769.3 | 1782.2 | 1773.1 | 1749.2 | 1727.7 | 1712.5 |
| 15° | 1673.3 | 1679.0 | 1698.6 | 1736.8 | 1784.1 | 1814.2 | 1813.2 | 1781.7 | 1747.3 | 1723.4 |
| 17.5° | 1641.3 | 1647.1 | 1675.2 | 1728.7 | 1795.5 | 1845.2 | 1858.6 | 1826.1 | 1777.9 | 1745.9 |
| 20° | 1583.6 | 1588.8 | 1628.0 | 1702.9 | 1799.4 | 1878.1 | 1913.0 | 1884.3 | 1824.2 | 1780.7 |
| 22.5° | 1508.6 | 1516.7 | 1562.6 | 1658.5 | 1790.3 | 1912.5 | 1975.0 | 1955.5 | 1878.1 | 1818.0 |
| 25° | 1428.4 | 1437.0 | 1490.5 | 1604.1 | 1766.9 | 1937.3 | 2048.6 | 2036.1 | 1939.2 | 1864.3 |
| 27.5° | 1359.2 | 1368.3 | 1426.5 | 1550.1 | 1730.6 | 1946.9 | 2121.1 | 2127.3 | 2013.2 | 1915.4 |
| 30° | 1304.8 | 1313.4 | 1375.4 | 1506.7 | 1683.8 | 1937.3 | 2184.6 | 2227.6 | 2088.7 | 1959.8 |
| 32.5° | 1245.1 | 1256.1 | 1321.5 | 1453.7 | 1628.4 | 1914.4 | 2240.0 | 2336.0 | 2176.0 | 2007.5 |
| 35° | 1169.7 | 1179.7 | 1248.4 | 1381.1 | 1555.9 | 1877.6 | 2286.3 | 2456.3 | 2301.1 | 2080.1 |
| 37.5° | 1078.0 | 1087.5 | 1155.8 | 1290.4 | 1483.8 | 1826.1 | 2321.6 | 2591.9 | 2450.1 | 2184.6 |
| 40° | 985.8 | 994.9 | 1058.9 | 1189.2 | 1397.4 | 1760.2 | 2334.1 | 2724.6 | 2621.0 | 2328.3 |
| 42.5° | 901.3 | 909.5 | 968.2 | 1089.4 | 1300.5 | 1676.2 | 2317.8 | 2840.1 | 2774.2 | 2428.6 |
| 45° | 823.5 | 830.7 | 882.7 | 995.9 | 1199.7 | 1574.0 | 2269.1 | 2964.2 | 2956.6 | 2500.2 |
| 47.5° | 734.7 | 741.9 | 795.8 | 905.2 | 1099.0 | 1454.2 | 2186.5 | 3086.4 | 3210.1 | 2662.5 |
| 50° | 626.4 | 632.6 | 687.9 | 800.6 | 994.4 | 1326.7 | 2072.0 | 3182.4 | 3530.0 | 2908.4 |
| 52.5° | 497.9 | 504.6 | 558.6 | 671.2 | 870.3 | 1189.7 | 1921.1 | 3244.9 | 3899.5 | 3267.4 |
| 55° | 370.5 | 375.2 | 422.0 | 523.2 | 716.6 | 1033.6 | 1732.0 | 3262.6 | 4318.6 | 3758.2 |
| 57.5° | 268.8 | 271.6 | 301.7 | 377.2 | 543.3 | 838.3 | 1502.4 | 3216.8 | 4817.5 | 4387.4 |
| 60° | 217.7 | 218.7 | 227.7 | 261.1 | 377.6 | 617.8 | 1225.0 | 3059.2 | 5358.9 | 5198.5 |
| 62.5° | 197.6 | 197.6 | 200.0 | 209.1 | 255.4 | 407.7 | 889.4 | 2732.7 | 5939.4 | 6223.5 |
| 65° | 183.8 | 183.8 | 184.8 | 189.1 | 201.5 | 259.7 | 561.4 | 2200.9 | 6428.8 | 7424.2 |
| 67.5° | 171.4 | 171.9 | 171.4 | 172.8 | 180.0 | 191.9 | 325.6 | 1520.1 | 6692.3 | 8668.3 |
| 70° | 158.5 | 159.5 | 157.1 | 157.1 | 162.8 | 163.3 | 203.9 | 833.6 | 6473.7 | 9711.0 |
| 72.5° | 143.2 | 144.7 | 140.8 | 139.9 | 144.2 | 142.3 | 153.2 | 400.1 | 5558.0 | 10022.2 |
| 75° | 129.9 | 131.8 | 123.2 | 120.8 | 120.8 | 119.4 | 124.6 | 205.3 | 3607.3 | 8175.6 |
| 77.5° | 117.9 | 121.7 | 107.9 | 100.3 | 98.3 | 94.0 | 101.7 | 125.6 | 1577.8 | 3838.4 |
| 80° | 97.4 | 102.6 | 88.8 | 79.7 | 76.4 | 71.6 | 80.2 | 87.8 | 469.3 | 891.3 |
| 82.5° | 72.6 | 75.0 | 63.0 | 56.8 | 53.9 | 50.6 | 60.2 | 61.1 | 152.8 | 315.6 |
| 85° | 46.3 | 47.3 | 38.7 | 33.4 | 32.0 | 30.6 | 38.2 | 33.4 | 58.2 | 232.0 |
| 87.5° | 16.2 | 18.6 | 14.8 | 13.4 | 14.3 | 11.9 | 17.7 | 10.0 | 16.2 | 163.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

1678.6
1679.5
1690.5
1702.0
1706.3
1710.1
1719.6
1740.6
1772.6
1807.0
1849.0
1899.1
1936.4
1977.9
2047.1
2140.7
2281.5
2368.4
2419.0
2568.9
2790.9
3122.7
3577.2
4159.7
4911.6
5839.2
6938.2
8143.6
9573.0
10385.1
8744.7
3758.6
853.6
356.6
337.1
202.9
0.0

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