

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: P526792

Luminaire Tested: **GLAN-SA1D-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-735-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6436 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

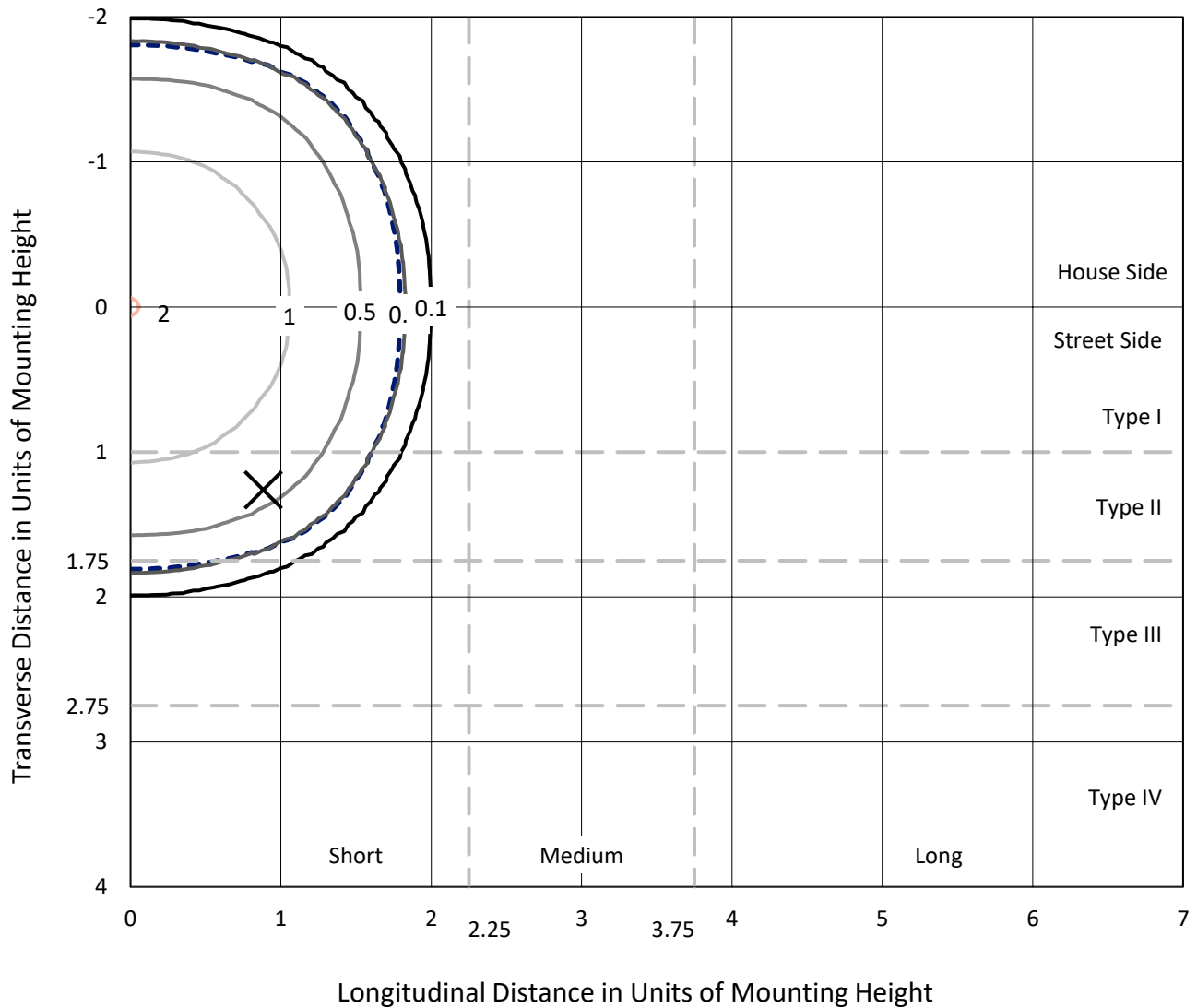
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

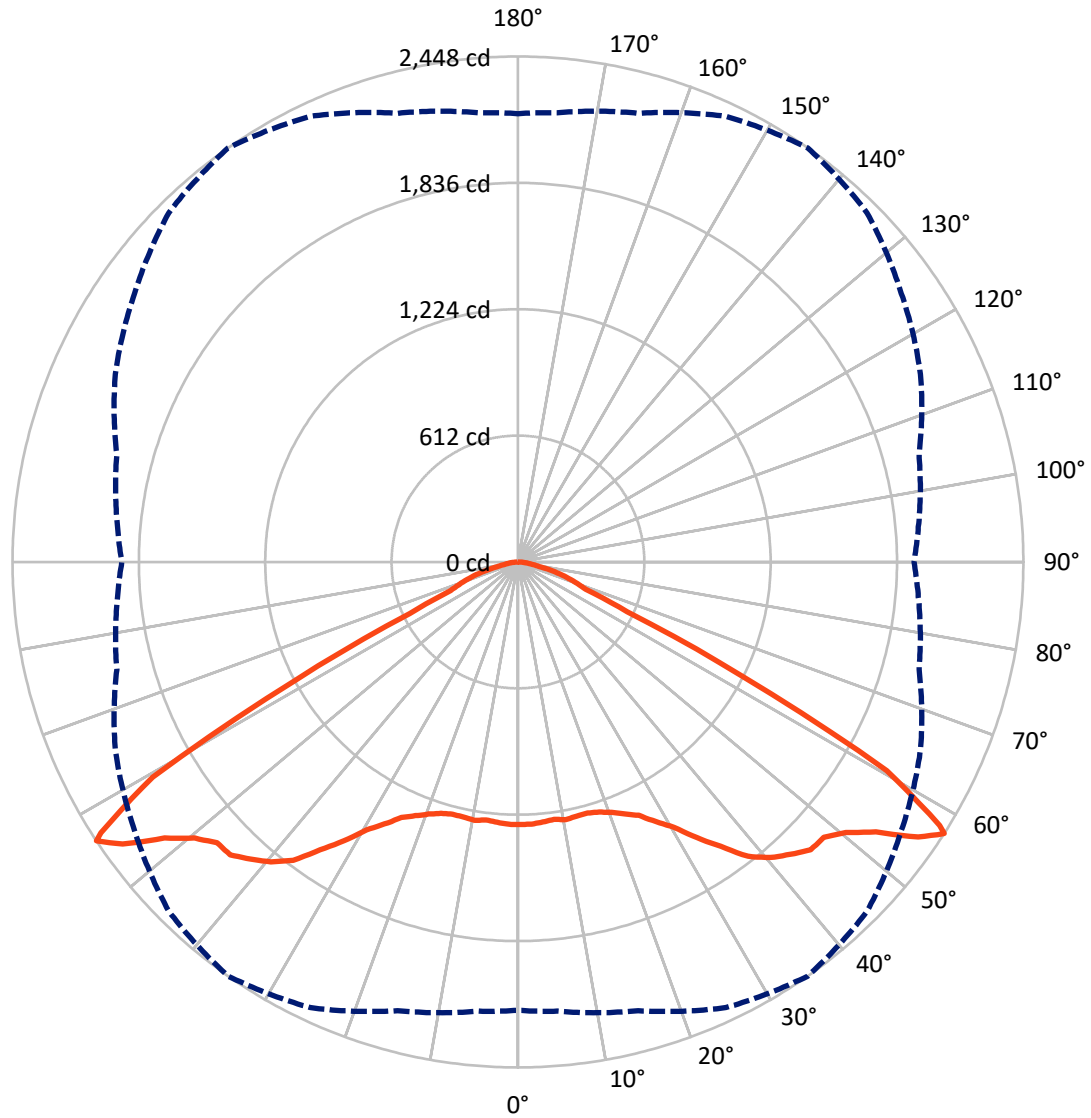
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3218.0 | 0.0 | 3218.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3218.0 | 0.0 | 3218.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 6436.0 | 0.0 | 6436.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 120.5 | 1.9 |
| 10°-20° | 356.9 | 5.5 |
| 20°-30° | 623.3 | 9.7 |
| 30°-40° | 1021.3 | 15.9 |
| 40°-50° | 1497.5 | 23.3 |
| 50°-60° | 1886.2 | 29.3 |
| 60°-70° | 709.4 | 11.0 |
| 70°-80° | 188.6 | 2.9 |
| 80°-90° | 32.3 | 0.5 |
| 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° | 6436.0 | 100.0 |
| 0°-180° | 6436.0 | 100.0 |



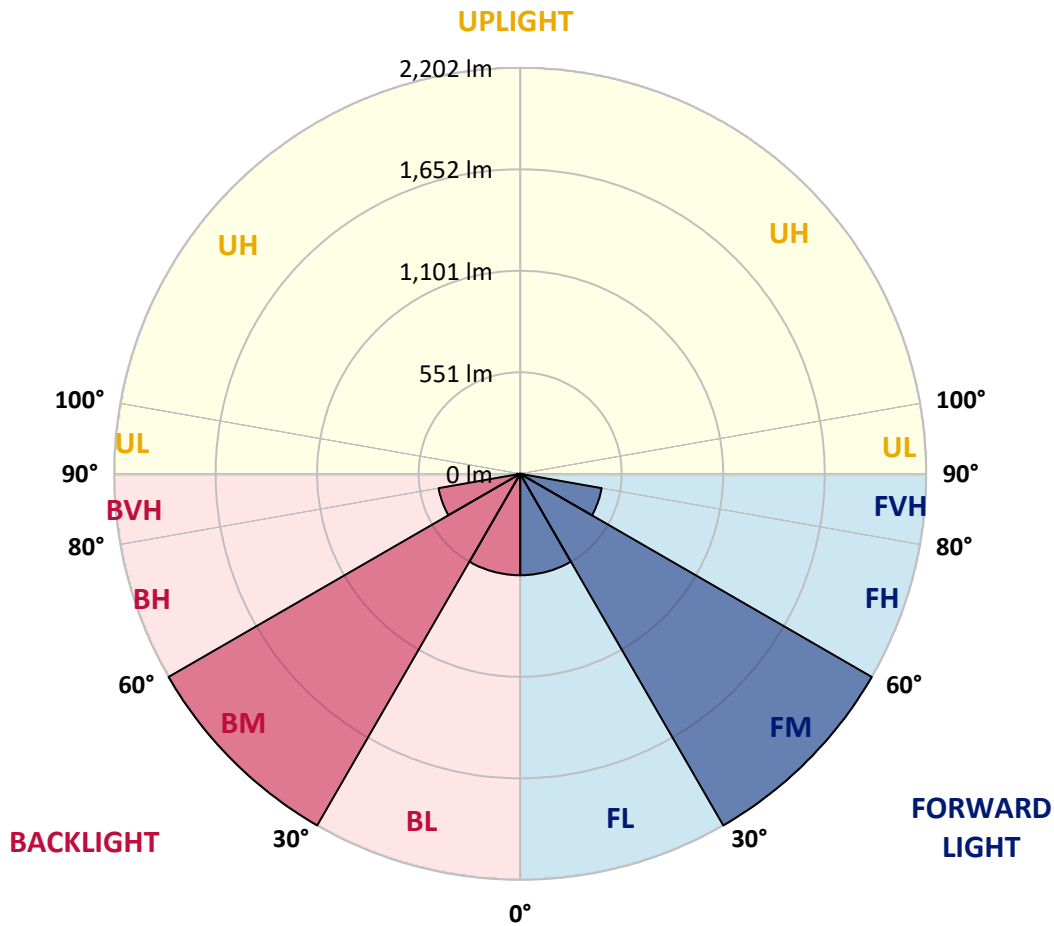
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 550.3 | 8.6 | | | |
| FM (30°-60°) | 2202.5 | 34.2 | | | |
| FH (60°-80°) | 449.0 | 7.0 | | | G0/660 |
| FVH (80°-90°) | 16.2 | 0.3 | | | G1/100 |
| BL (0°-30°) | 550.3 | 8.6 | B2/1000 | | |
| BM (30°-60°) | 2202.5 | 34.2 | B2/2500 | | |
| BH (60°-80°) | 449.0 | 7.0 | B1/500 | | G0/660 |
| BVH (80°-90°) | 16.2 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1271.1 | 1271.1 | 1271.1 | 1271.1 | 1271.1 | 1271.1 | 1271.1 | 1271.1 | 1271.1 | 1271.1 | 1271.1 |
| 2.5° | 1264.7 | 1277.4 | 1271.9 | 1268.7 | 1271.1 | 1267.1 | 1260.8 | 1267.9 | 1266.3 | 1260.0 | 1257.6 |
| 5° | 1261.5 | 1271.1 | 1264.7 | 1271.1 | 1264.7 | 1275.8 | 1272.6 | 1260.8 | 1275.0 | 1261.5 | 1266.3 |
| 7.5° | 1259.2 | 1262.3 | 1263.9 | 1260.8 | 1258.4 | 1271.9 | 1264.7 | 1259.2 | 1251.2 | 1248.9 | 1252.8 |
| 10° | 1253.6 | 1261.5 | 1249.7 | 1265.5 | 1268.7 | 1259.2 | 1259.2 | 1248.9 | 1242.5 | 1238.6 | 1252.0 |
| 12.5° | 1267.9 | 1254.4 | 1252.8 | 1260.8 | 1263.1 | 1267.1 | 1256.0 | 1250.4 | 1238.6 | 1240.1 | 1237.8 |
| 15° | 1251.2 | 1256.8 | 1257.6 | 1259.2 | 1261.5 | 1271.1 | 1260.8 | 1248.9 | 1244.1 | 1227.5 | 1229.0 |
| 17.5° | 1257.6 | 1252.0 | 1257.6 | 1275.8 | 1272.6 | 1279.8 | 1268.7 | 1250.4 | 1239.3 | 1229.8 | 1242.5 |
| 20° | 1268.7 | 1266.3 | 1268.7 | 1290.9 | 1294.9 | 1301.2 | 1291.7 | 1275.0 | 1253.6 | 1242.5 | 1248.9 |
| 22.5° | 1280.6 | 1279.0 | 1280.6 | 1302.0 | 1325.0 | 1332.9 | 1323.4 | 1284.5 | 1273.4 | 1252.8 | 1245.7 |
| 25° | 1302.0 | 1303.6 | 1320.2 | 1344.0 | 1359.1 | 1374.1 | 1356.7 | 1328.9 | 1293.3 | 1280.6 | 1265.5 |
| 27.5° | 1349.6 | 1353.5 | 1363.0 | 1397.9 | 1424.1 | 1437.6 | 1413.0 | 1374.9 | 1352.7 | 1326.6 | 1322.6 |
| 30° | 1408.2 | 1408.2 | 1424.9 | 1455.0 | 1490.7 | 1511.3 | 1481.2 | 1436.0 | 1409.0 | 1394.8 | 1386.0 |
| 32.5° | 1485.9 | 1477.2 | 1483.6 | 1536.7 | 1592.2 | 1609.6 | 1569.2 | 1513.7 | 1470.9 | 1451.9 | 1445.5 |
| 35° | 1552.6 | 1558.1 | 1572.4 | 1629.5 | 1691.3 | 1731.8 | 1668.3 | 1596.2 | 1552.6 | 1535.1 | 1531.9 |
| 37.5° | 1639.0 | 1648.5 | 1655.6 | 1734.1 | 1808.7 | 1823.7 | 1762.7 | 1704.8 | 1651.7 | 1637.4 | 1629.5 |
| 40° | 1761.1 | 1754.7 | 1757.1 | 1815.0 | 1882.4 | 1891.9 | 1831.7 | 1790.4 | 1746.8 | 1738.1 | 1738.1 |
| 42.5° | 1861.8 | 1854.7 | 1862.6 | 1884.0 | 1935.5 | 1928.4 | 1895.1 | 1865.0 | 1846.7 | 1837.2 | 1846.7 |
| 45° | 1922.8 | 1921.3 | 1935.5 | 1951.4 | 1987.9 | 1964.1 | 1937.9 | 1942.7 | 1925.2 | 1909.4 | 1908.6 |
| 47.5° | 1989.5 | 1979.1 | 1996.6 | 2020.4 | 1992.6 | 1981.5 | 1979.9 | 1990.2 | 1984.7 | 1956.9 | 1948.2 |
| 50° | 2022.0 | 2018.0 | 2045.8 | 2073.5 | 2058.4 | 2033.1 | 2038.6 | 2055.3 | 1983.9 | 1946.6 | 1925.2 |
| 52.5° | 2109.2 | 2110.0 | 2163.1 | 2178.2 | 2171.8 | 2134.6 | 2146.5 | 2101.3 | 2017.2 | 1964.9 | 1967.3 |
| 55° | 2246.4 | 2240.8 | 2300.3 | 2344.7 | 2351.8 | 2304.2 | 2247.2 | 2183.7 | 2078.3 | 2025.1 | 2009.3 |
| 57° | 2171.0 | 2183.7 | 2249.5 | 2381.2 | 2447.8 | 2391.5 | 2267.0 | 2151.2 | 2010.9 | 1946.6 | 1918.1 |
| 57.5° | 2070.3 | 2090.9 | 2205.1 | 2337.5 | 2407.3 | 2402.6 | 2242.4 | 2090.9 | 1965.7 | 1865.8 | 1868.1 |
| 60° | 1516.9 | 1520.8 | 1623.9 | 1834.0 | 2052.1 | 2056.9 | 1861.8 | 1661.2 | 1521.6 | 1413.0 | 1428.1 |
| 62.5° | 800.1 | 818.3 | 859.5 | 1028.4 | 1217.1 | 1263.1 | 1145.0 | 1041.9 | 921.4 | 838.9 | 846.8 |
| 65° | 423.4 | 421.0 | 440.9 | 488.4 | 581.2 | 605.0 | 589.1 | 507.5 | 465.4 | 452.0 | 452.8 |
| 67.5° | 344.1 | 348.1 | 345.7 | 348.1 | 354.4 | 364.7 | 362.4 | 365.5 | 367.9 | 371.9 | 371.1 |
| 70° | 291.8 | 291.8 | 293.4 | 294.2 | 294.2 | 298.9 | 304.5 | 314.8 | 315.6 | 319.5 | 321.1 |
| 72.5° | 229.9 | 228.4 | 230.7 | 236.3 | 237.1 | 241.0 | 249.0 | 255.3 | 257.7 | 257.7 | 252.9 |
| 75° | 156.2 | 157.8 | 161.0 | 165.7 | 170.5 | 177.6 | 184.0 | 187.9 | 189.5 | 187.1 | 184.8 |
| 77.5° | 88.0 | 89.6 | 92.0 | 99.1 | 104.7 | 111.0 | 118.1 | 122.1 | 126.1 | 126.9 | 122.1 |
| 80° | 52.3 | 52.3 | 56.3 | 61.8 | 68.2 | 74.5 | 80.9 | 85.6 | 87.2 | 87.2 | 84.8 |
| 82.5° | 31.7 | 32.5 | 35.7 | 41.2 | 46.8 | 50.7 | 56.3 | 60.3 | 63.4 | 62.6 | 61.1 |
| 85° | 16.7 | 16.7 | 19.8 | 24.6 | 28.5 | 32.5 | 32.5 | 30.1 | 28.5 | 24.6 | 23.0 |
| 87.5° | 5.6 | 4.8 | 6.3 | 6.3 | 5.6 | 6.3 | 6.3 | 7.1 | 7.1 | 7.1 | 7.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)