

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: P522671

Luminaire Tested: **GLAN-SA2C-740-U-T4W**

Issue Date: 5/13/2021

Test Information

Test Method: LM-79-08
Report Number: P522671
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2011-042-41)
Test Lab: INNOVATION CENTER
Issue Date: 5/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-740-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14148 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

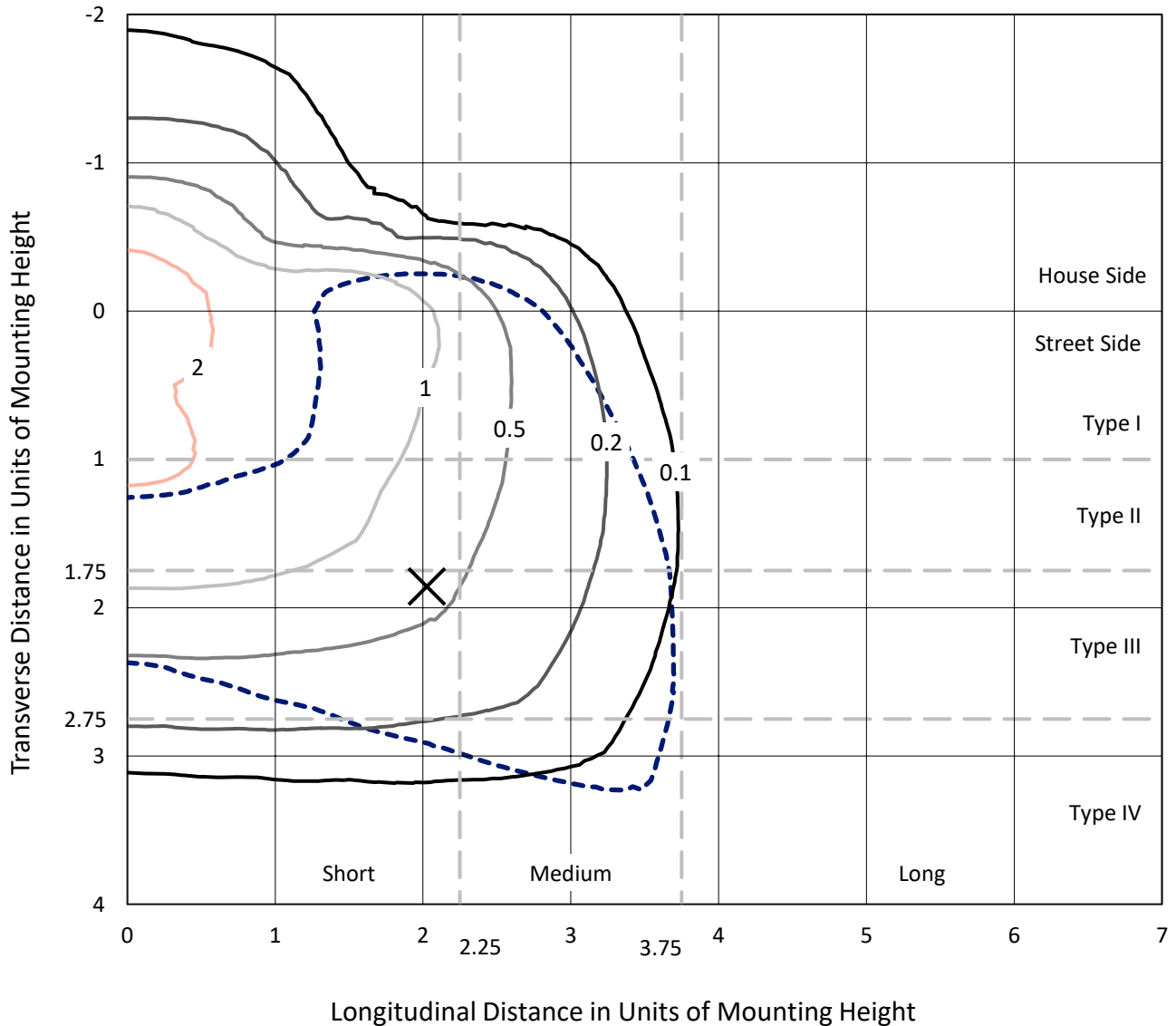
Input Watts (W): 108
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P522671
 CATALOG NUMBER: GLAN-SA2C-740-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

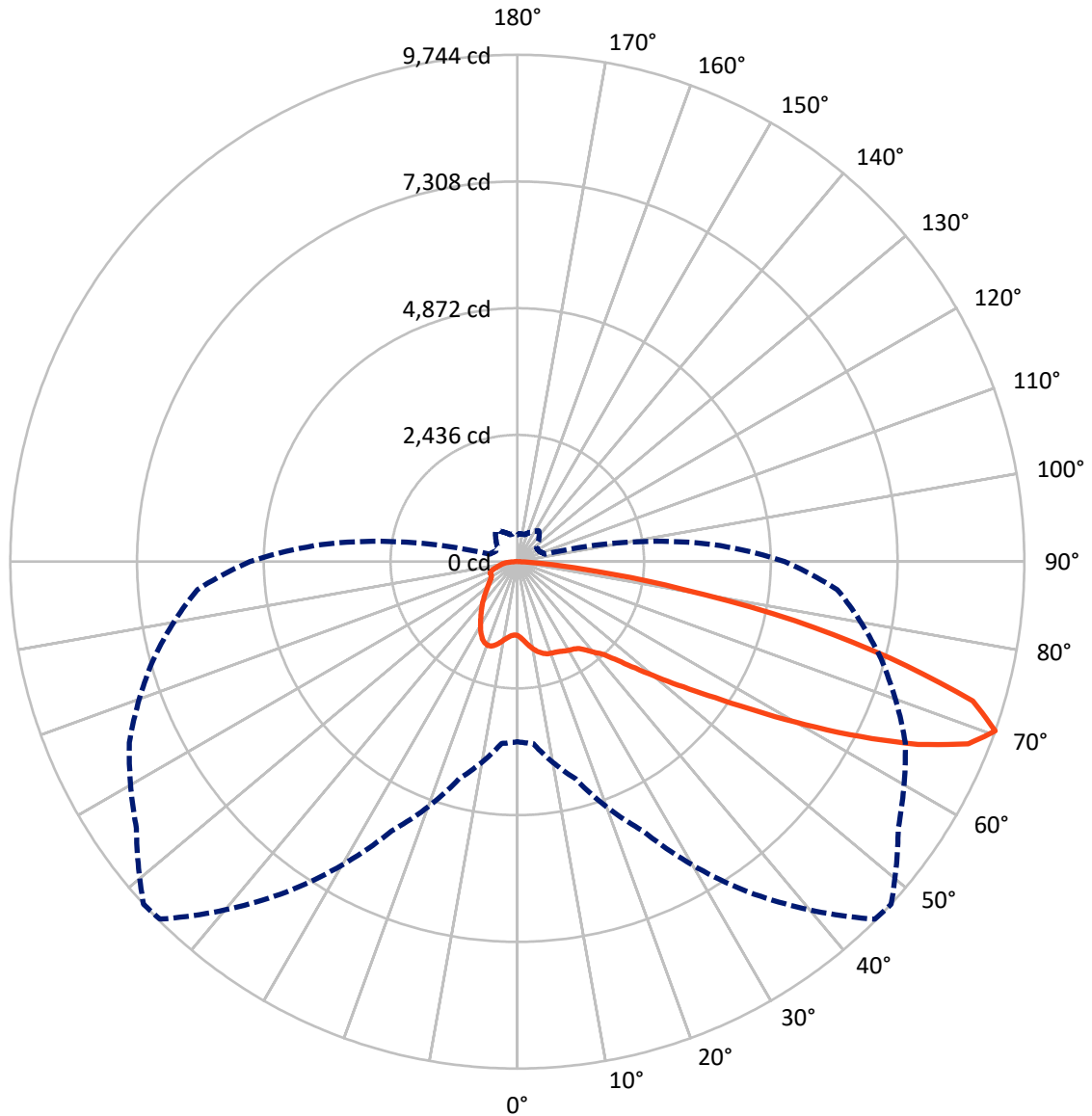
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P522671
CATALOG NUMBER: GLAN-SA2C-740-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P522671
 CATALOG NUMBER: GLAN-SA2C-740-U-T4W

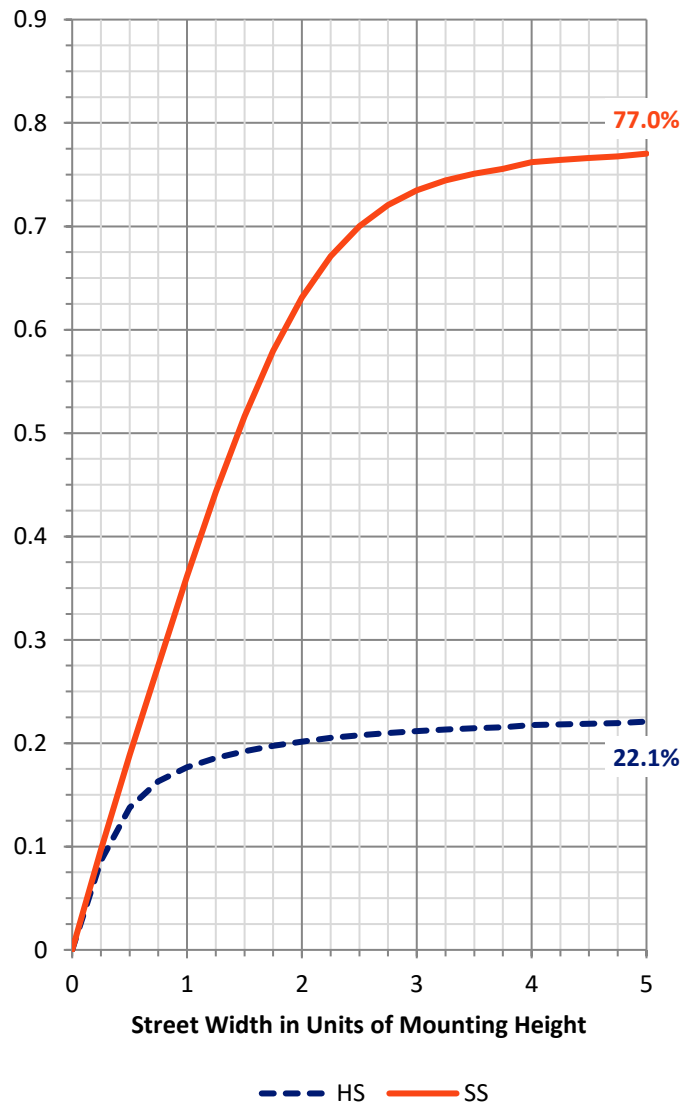
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3203.4 | 0.0 | 3203.4 |
| | % Fixture | 22.6 | 0.0 | 22.6 |
| Street Side | Lumens | 10944.6 | 0.0 | 10944.6 |
| | % Fixture | 77.4 | 0.0 | 77.4 |
| Total | Lumens | 14148.0 | 0.0 | 14148.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 146.4 | 1.0 |
| 10°-20° | 489.4 | 3.5 |
| 20°-30° | 813.9 | 5.8 |
| 30°-40° | 1153.6 | 8.2 |
| 40°-50° | 1703.0 | 12.0 |
| 50°-60° | 2949.6 | 20.8 |
| 60°-70° | 4166.5 | 29.4 |
| 70°-80° | 2395.1 | 16.9 |
| 80°-90° | 330.5 | 2.3 |
| 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° | 14148.0 | 100.0 |
| 0°-180° | 14148.0 | 100.0 |



REPORT NUMBER: P522671

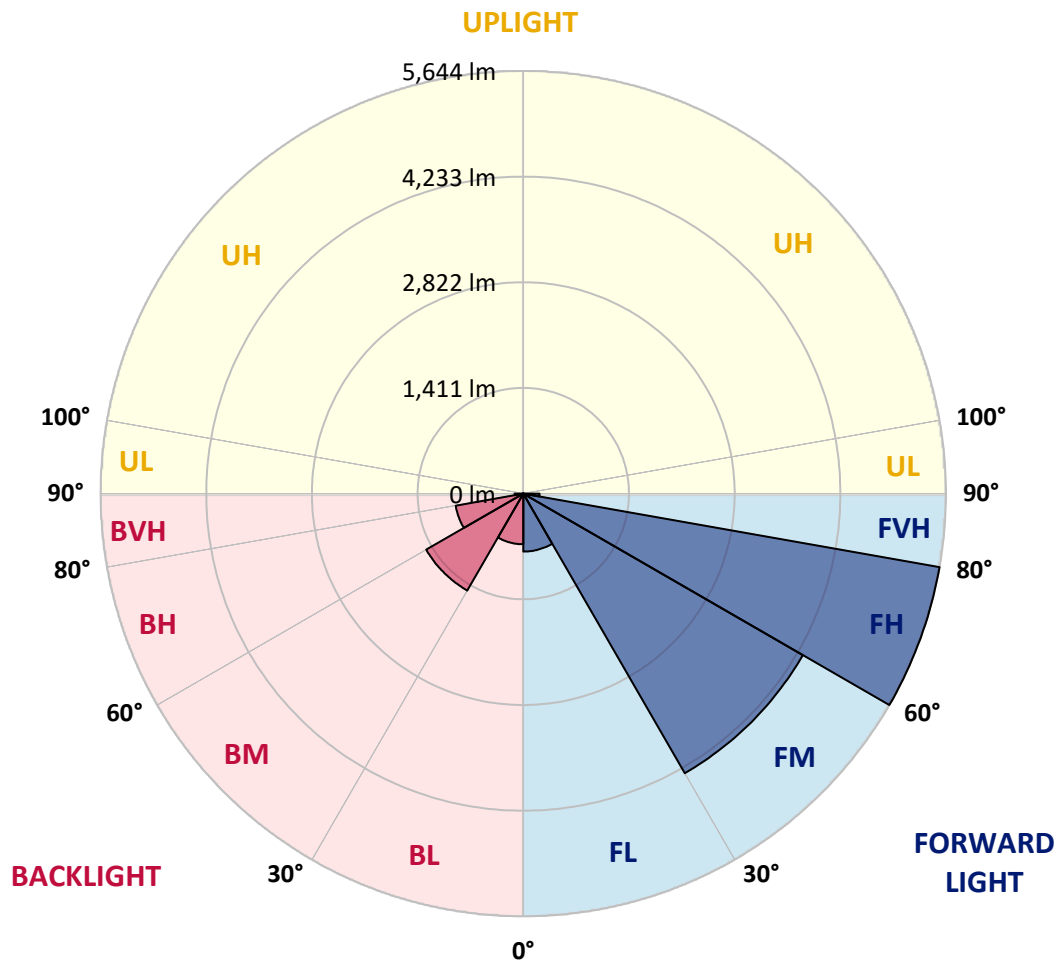
CATALOG NUMBER: GLAN-SA2C-740-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 773.7 | 5.5 | | | |
| FM (30°-60°) | 4310.6 | 30.5 | | | |
| FH (60°-80°) | 5644.5 | 39.9 | | | G3/7500 |
| FVH (80°-90°) | 215.9 | 1.5 | | | G2/225 |
| BL (0°-30°) | 676.1 | 4.8 | B2/1000 | | |
| BM (30°-60°) | 1495.6 | 10.6 | B2/2500 | | |
| BH (60°-80°) | 917.1 | 6.5 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 114.6 | 0.8 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P522671

CATALOG NUMBER: GLAN-SA2C-740-U-T4W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 47.5° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 |
| 2.5° | 1511.9 | 1506.6 | 1505.8 | 1494.5 | 1488.4 | 1477.1 | 1472.5 | 1461.9 | 1449.1 | 1436.2 | 1424.1 |
| 5° | 1630.8 | 1630.8 | 1625.5 | 1609.6 | 1584.6 | 1558.8 | 1547.5 | 1527.0 | 1490.7 | 1461.2 | 1436.2 |
| 7.5° | 1752.6 | 1754.2 | 1743.6 | 1720.1 | 1684.5 | 1642.9 | 1632.3 | 1602.0 | 1550.5 | 1507.4 | 1470.3 |
| 10° | 1857.9 | 1857.9 | 1843.5 | 1811.7 | 1767.0 | 1721.6 | 1711.0 | 1676.9 | 1619.4 | 1565.6 | 1517.2 |
| 12.5° | 1938.1 | 1938.1 | 1919.2 | 1877.6 | 1829.1 | 1788.2 | 1776.1 | 1743.6 | 1689.8 | 1630.0 | 1568.7 |
| 15° | 1990.4 | 1986.6 | 1965.4 | 1918.5 | 1871.5 | 1835.9 | 1827.6 | 1800.3 | 1751.1 | 1690.6 | 1621.7 |
| 17.5° | 1992.6 | 1991.1 | 1970.7 | 1931.3 | 1890.4 | 1866.2 | 1860.9 | 1842.7 | 1804.1 | 1746.6 | 1673.9 |
| 20° | 1948.7 | 1951.8 | 1938.1 | 1910.1 | 1890.4 | 1879.8 | 1877.6 | 1871.5 | 1844.3 | 1790.5 | 1717.8 |
| 22.5° | 1901.8 | 1907.1 | 1894.2 | 1879.1 | 1877.6 | 1888.2 | 1889.7 | 1891.2 | 1873.8 | 1821.5 | 1754.9 |
| 25° | 1890.4 | 1894.2 | 1881.4 | 1867.7 | 1876.1 | 1904.1 | 1910.1 | 1916.2 | 1902.6 | 1858.6 | 1798.8 |
| 27.5° | 1948.0 | 1944.9 | 1920.0 | 1890.4 | 1895.7 | 1933.6 | 1941.9 | 1948.7 | 1941.9 | 1904.1 | 1853.3 |
| 30° | 2110.7 | 2100.9 | 2050.9 | 1964.6 | 1937.4 | 1963.9 | 1972.2 | 1991.1 | 1991.1 | 1963.1 | 1912.4 |
| 32.5° | 2383.3 | 2364.4 | 2272.8 | 2103.2 | 2008.5 | 1992.6 | 2001.0 | 2032.0 | 2047.9 | 2026.0 | 1970.7 |
| 35° | 2714.1 | 2694.5 | 2563.5 | 2335.6 | 2138.8 | 2050.2 | 2047.9 | 2082.7 | 2125.1 | 2075.9 | 2004.0 |
| 37.5° | 3046.5 | 3026.1 | 2868.6 | 2612.7 | 2328.8 | 2171.3 | 2157.7 | 2169.8 | 2188.0 | 2097.9 | 2050.2 |
| 40° | 3378.9 | 3354.6 | 3216.8 | 2922.3 | 2561.2 | 2331.8 | 2296.2 | 2241.7 | 2234.2 | 2169.8 | 2139.5 |
| 42.5° | 3708.2 | 3686.2 | 3616.6 | 3269.8 | 2839.8 | 2488.5 | 2434.0 | 2340.1 | 2368.9 | 2330.3 | 2303.8 |
| 45° | 4040.6 | 4042.1 | 3967.9 | 3659.7 | 3176.0 | 2777.7 | 2704.3 | 2557.4 | 2625.6 | 2611.2 | 2626.3 |
| 47.5° | 4335.1 | 4331.3 | 4304.8 | 4038.3 | 3593.1 | 3150.2 | 3055.6 | 2885.2 | 3001.8 | 3054.8 | 3170.7 |
| 50° | 4620.5 | 4618.2 | 4619.7 | 4467.6 | 4077.7 | 3593.1 | 3488.6 | 3310.0 | 3572.7 | 3756.6 | 3964.1 |
| 52.5° | 5029.3 | 5042.2 | 4950.6 | 4910.4 | 4666.7 | 4116.3 | 4001.2 | 3816.5 | 4247.2 | 4537.2 | 4942.2 |
| 55° | 5439.6 | 5429.0 | 5357.1 | 5398.8 | 5282.9 | 4735.6 | 4615.2 | 4468.3 | 4998.3 | 5315.5 | 5924.2 |
| 57.5° | 5681.2 | 5684.9 | 5758.4 | 5962.0 | 6043.8 | 5507.8 | 5398.8 | 5285.2 | 5842.4 | 6067.3 | 6797.9 |
| 60° | 5898.4 | 5915.9 | 6127.1 | 6511.7 | 6733.5 | 6456.4 | 6359.5 | 6249.0 | 6616.9 | 6706.2 | 7556.5 |
| 62.5° | 5966.6 | 6020.3 | 6389.0 | 6964.4 | 7405.8 | 7526.9 | 7406.5 | 7162.8 | 7354.3 | 7319.5 | 8070.5 |
| 65° | 5626.6 | 5700.1 | 6361.0 | 7134.0 | 8006.2 | 8542.9 | 8466.5 | 8013.7 | 7982.7 | 7773.0 | 8154.5 |
| 67.5° | 4731.8 | 4805.2 | 5653.9 | 6778.2 | 8254.5 | 9422.7 | 9346.2 | 8634.5 | 8364.3 | 7815.4 | 7518.6 |
| 70° | 3462.1 | 3508.3 | 4319.9 | 5706.9 | 7755.6 | 9717.9 | 9744.4 | 8937.4 | 8228.0 | 7239.2 | 6173.3 |
| 72.5° | 1994.9 | 2097.1 | 2665.7 | 4014.8 | 6336.0 | 8971.4 | 9155.4 | 8307.5 | 7366.4 | 6039.3 | 4316.1 |
| 75° | 857.8 | 860.0 | 1232.5 | 2214.5 | 4291.2 | 7211.2 | 7389.1 | 6886.4 | 5784.9 | 4176.1 | 2304.6 |
| 77.5° | 408.1 | 415.6 | 542.1 | 988.8 | 2362.1 | 4982.4 | 5462.4 | 4865.0 | 3699.9 | 2006.3 | 870.6 |
| 80° | 265.0 | 270.3 | 331.6 | 490.6 | 1158.3 | 2889.0 | 3223.7 | 2806.5 | 1632.3 | 717.0 | 375.5 |
| 82.5° | 160.5 | 162.0 | 221.8 | 299.8 | 637.5 | 1308.2 | 1542.2 | 1218.1 | 696.5 | 429.3 | 221.1 |
| 85° | 97.7 | 98.4 | 134.8 | 185.5 | 386.9 | 452.0 | 464.1 | 460.3 | 408.8 | 280.9 | 118.1 |
| 87.5° | 46.9 | 48.5 | 69.7 | 87.8 | 152.2 | 140.1 | 132.5 | 153.7 | 193.1 | 151.4 | 50.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P522671
 CATALOG NUMBER: GLAN-SA2C-740-U-T4W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 | 1420.3 |
| 2.5° | 1418.8 | 1416.5 | 1411.2 | 1408.9 | 1407.4 | 1408.2 | 1407.4 | 1407.4 | 1408.2 | 1408.2 | 1408.2 |
| 5° | 1425.6 | 1421.8 | 1413.5 | 1413.5 | 1418.0 | 1428.6 | 1438.5 | 1446.0 | 1454.4 | 1453.6 | 1453.6 |
| 7.5° | 1455.1 | 1448.3 | 1438.5 | 1441.5 | 1452.8 | 1469.5 | 1486.9 | 1503.6 | 1520.2 | 1521.7 | 1521.0 |
| 10° | 1498.3 | 1491.5 | 1480.9 | 1484.6 | 1502.8 | 1527.8 | 1549.8 | 1574.0 | 1592.1 | 1597.4 | 1595.9 |
| 12.5° | 1547.5 | 1533.9 | 1524.8 | 1535.4 | 1564.1 | 1597.4 | 1618.6 | 1636.8 | 1649.7 | 1657.3 | 1654.2 |
| 15° | 1597.4 | 1584.6 | 1574.0 | 1595.9 | 1630.8 | 1661.8 | 1672.4 | 1675.4 | 1677.7 | 1685.3 | 1683.8 |
| 17.5° | 1645.9 | 1628.5 | 1624.7 | 1653.5 | 1686.8 | 1700.4 | 1694.4 | 1681.5 | 1671.6 | 1677.7 | 1676.9 |
| 20° | 1689.1 | 1675.4 | 1673.9 | 1702.7 | 1715.6 | 1702.7 | 1676.9 | 1654.2 | 1636.8 | 1638.3 | 1637.6 |
| 22.5° | 1729.9 | 1719.3 | 1720.9 | 1733.0 | 1712.5 | 1668.6 | 1626.2 | 1595.2 | 1576.2 | 1580.0 | 1582.3 |
| 25° | 1775.4 | 1764.8 | 1768.5 | 1748.9 | 1681.5 | 1605.0 | 1543.7 | 1517.2 | 1509.6 | 1517.2 | 1522.5 |
| 27.5° | 1834.4 | 1827.6 | 1825.3 | 1749.6 | 1626.2 | 1511.1 | 1441.5 | 1431.6 | 1438.5 | 1455.1 | 1463.4 |
| 30° | 1898.0 | 1898.0 | 1885.9 | 1736.7 | 1550.5 | 1398.3 | 1337.8 | 1339.3 | 1362.8 | 1386.2 | 1394.5 |
| 32.5° | 1959.3 | 1972.2 | 1934.3 | 1701.9 | 1452.8 | 1288.6 | 1242.4 | 1243.9 | 1264.3 | 1293.1 | 1300.7 |
| 35° | 2010.1 | 2047.2 | 1976.0 | 1638.3 | 1337.8 | 1196.2 | 1161.4 | 1140.9 | 1141.7 | 1163.6 | 1169.7 |
| 37.5° | 2079.7 | 2148.6 | 2000.2 | 1543.7 | 1215.1 | 1117.5 | 1078.1 | 1042.5 | 1019.0 | 1009.9 | 1009.9 |
| 40° | 2200.8 | 2302.3 | 2006.3 | 1403.6 | 1099.3 | 1042.5 | 986.5 | 944.1 | 898.7 | 857.8 | 850.2 |
| 42.5° | 2406.0 | 2534.0 | 1994.2 | 1242.4 | 994.8 | 960.0 | 905.5 | 853.2 | 790.4 | 732.9 | 728.3 |
| 45° | 2769.4 | 2835.3 | 1961.6 | 1075.1 | 901.7 | 880.5 | 827.5 | 770.7 | 704.1 | 652.6 | 648.8 |
| 47.5° | 3351.6 | 3258.5 | 1918.5 | 926.7 | 816.9 | 810.8 | 770.0 | 704.1 | 637.5 | 601.9 | 598.1 |
| 50° | 4201.8 | 3924.7 | 1912.4 | 819.2 | 748.8 | 751.8 | 718.5 | 657.9 | 599.6 | 570.1 | 565.5 |
| 52.5° | 5225.4 | 4729.5 | 1952.5 | 743.5 | 688.9 | 700.3 | 683.6 | 627.6 | 576.1 | 551.2 | 546.6 |
| 55° | 6218.7 | 5453.3 | 1976.7 | 684.4 | 632.9 | 654.1 | 656.4 | 609.5 | 562.5 | 537.5 | 534.5 |
| 57.5° | 7025.0 | 5998.4 | 1869.2 | 630.7 | 584.5 | 617.0 | 633.7 | 598.9 | 555.7 | 536.8 | 533.7 |
| 60° | 7586.0 | 6255.8 | 1563.4 | 583.0 | 548.9 | 587.5 | 625.4 | 599.6 | 572.4 | 574.6 | 576.1 |
| 62.5° | 7764.7 | 6141.5 | 1172.7 | 547.4 | 524.7 | 577.7 | 639.0 | 630.7 | 602.6 | 620.1 | 623.1 |
| 65° | 7468.6 | 5669.0 | 850.2 | 519.4 | 503.5 | 584.5 | 679.9 | 653.4 | 592.0 | 604.9 | 604.9 |
| 67.5° | 6477.6 | 4883.9 | 661.7 | 493.6 | 479.2 | 597.3 | 720.7 | 651.1 | 567.1 | 582.2 | 568.6 |
| 70° | 5138.3 | 3777.8 | 551.2 | 464.8 | 453.5 | 578.4 | 724.5 | 627.6 | 537.5 | 540.6 | 514.8 |
| 72.5° | 3409.9 | 2484.0 | 473.9 | 437.6 | 414.1 | 520.1 | 693.5 | 597.3 | 508.8 | 491.3 | 465.6 |
| 75° | 1670.9 | 1238.6 | 413.4 | 403.5 | 362.6 | 452.7 | 651.1 | 568.6 | 477.7 | 450.5 | 436.1 |
| 77.5° | 647.3 | 526.9 | 352.8 | 360.4 | 315.7 | 399.0 | 595.1 | 527.7 | 436.8 | 399.7 | 388.4 |
| 80° | 314.2 | 299.0 | 289.2 | 300.6 | 259.7 | 339.9 | 543.6 | 492.1 | 399.0 | 358.1 | 341.4 |
| 82.5° | 195.3 | 184.7 | 221.8 | 233.9 | 199.9 | 310.4 | 515.6 | 461.8 | 351.3 | 296.8 | 283.1 |
| 85° | 99.2 | 106.0 | 148.4 | 159.7 | 143.1 | 246.8 | 424.7 | 346.7 | 253.6 | 210.5 | 212.0 |
| 87.5° | 37.9 | 50.7 | 78.0 | 84.0 | 76.5 | 130.2 | 233.9 | 202.1 | 162.8 | 110.5 | 102.2 |
| 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)