

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: P941559

Luminaire Tested: **GLAN-SB5A-927-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 13632 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 141.7  
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



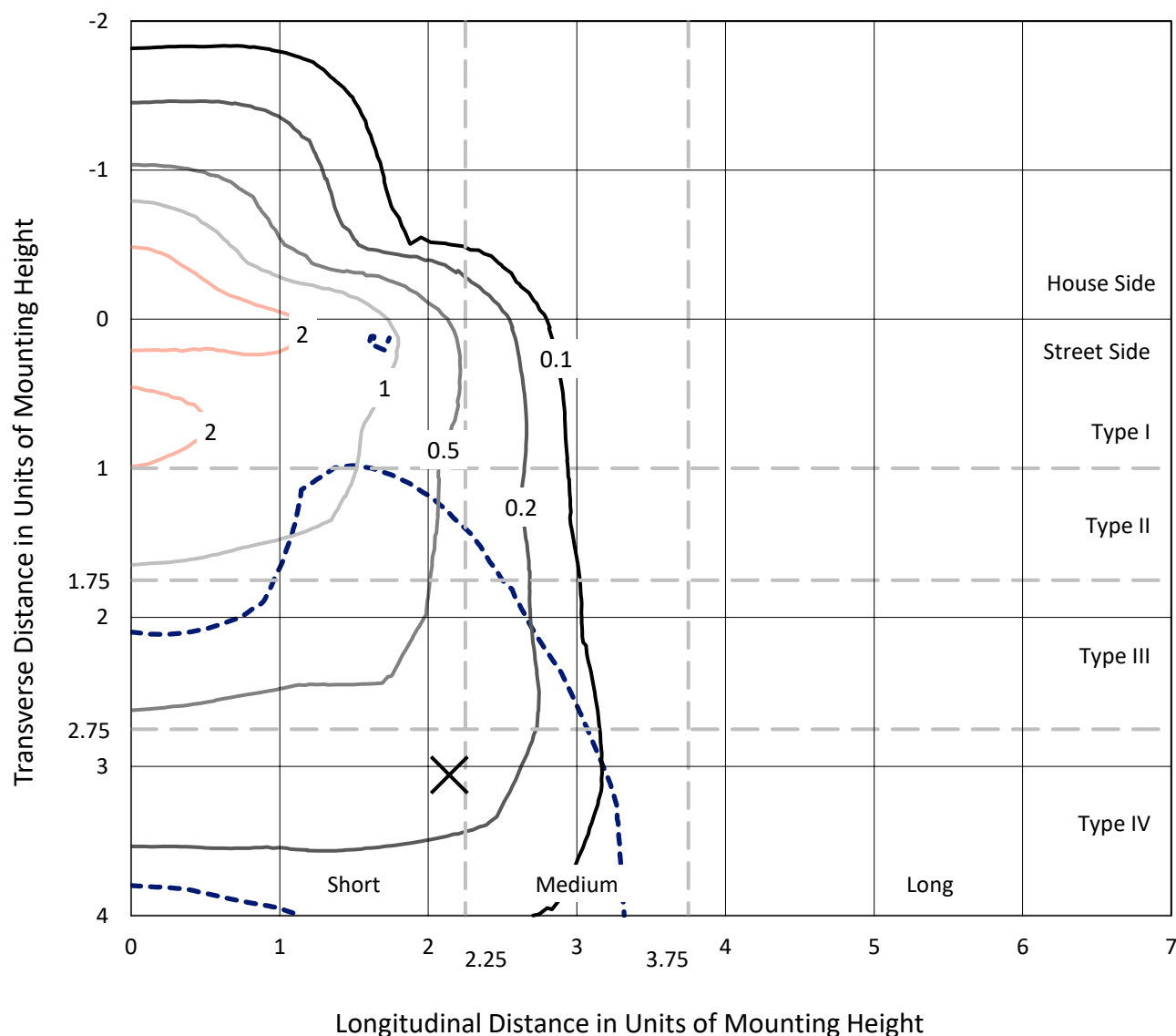
REPORT NUMBER: P941559

CATALOG NUMBER: GLAN-SB5A-927-U-T4FT

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



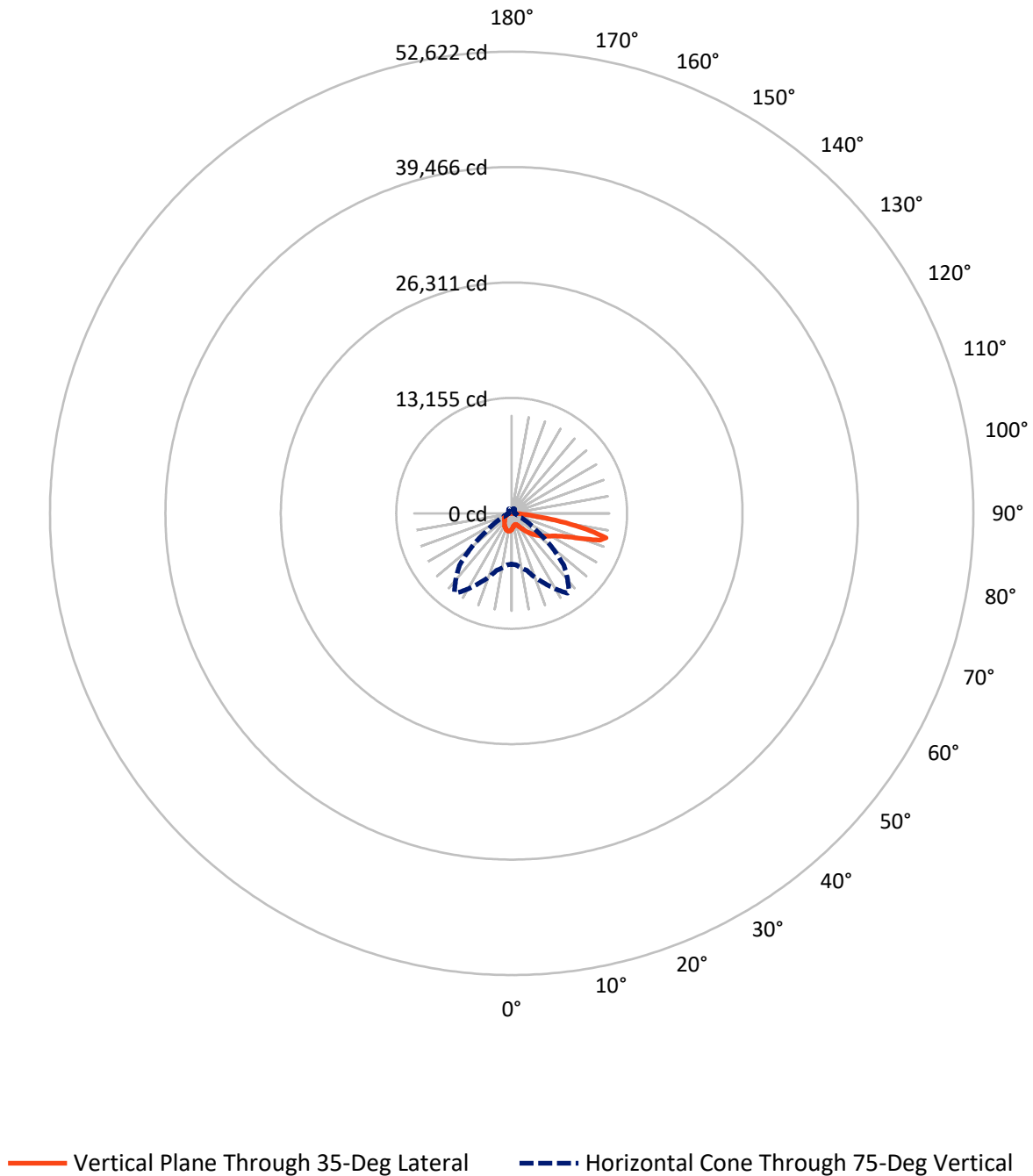
Based on 25 foot mounting height. Maximum calculated value = 3.2 fc

Type IV - Short - N/A

REPORT NUMBER: P941559

CATALOG NUMBER: GLAN-SB5A-927-U-T4FT

## Luminous Intensity Polar Plot



REPORT NUMBER: P941559

CATALOG NUMBER: GLAN-SB5A-927-U-T4FT

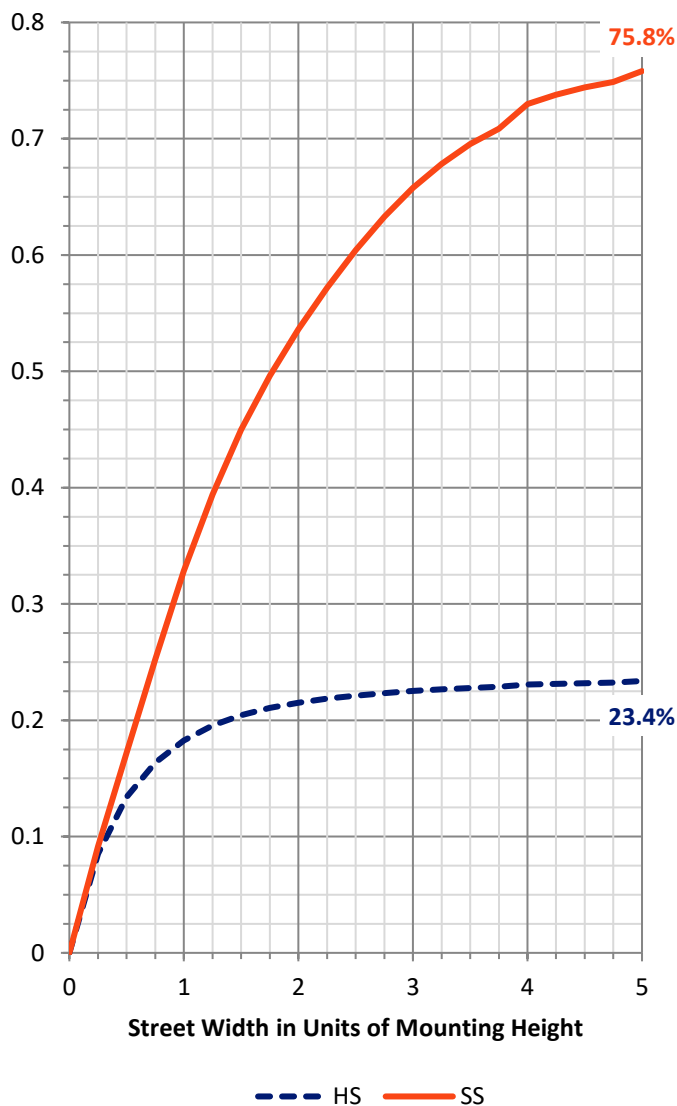
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3244.1   | 0.0    | 3244.1  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 10387.9  | 0.0    | 10387.9 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 13632.0  | 0.0    | 13632.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 172.0   | 1.3       |
| 10°-20°   | 496.1   | 3.6       |
| 20°-30°   | 833.1   | 6.1       |
| 30°-40°   | 1294.7  | 9.5       |
| 40°-50°   | 1921.7  | 14.1      |
| 50°-60°   | 2653.0  | 19.5      |
| 60°-70°   | 3218.7  | 23.6      |
| 70°-80°   | 2660.0  | 19.5      |
| 80°-90°   | 382.6   | 2.8       |
| 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°    | 13632.0 | 100.0     |
| 0°-180°   | 13632.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P941559

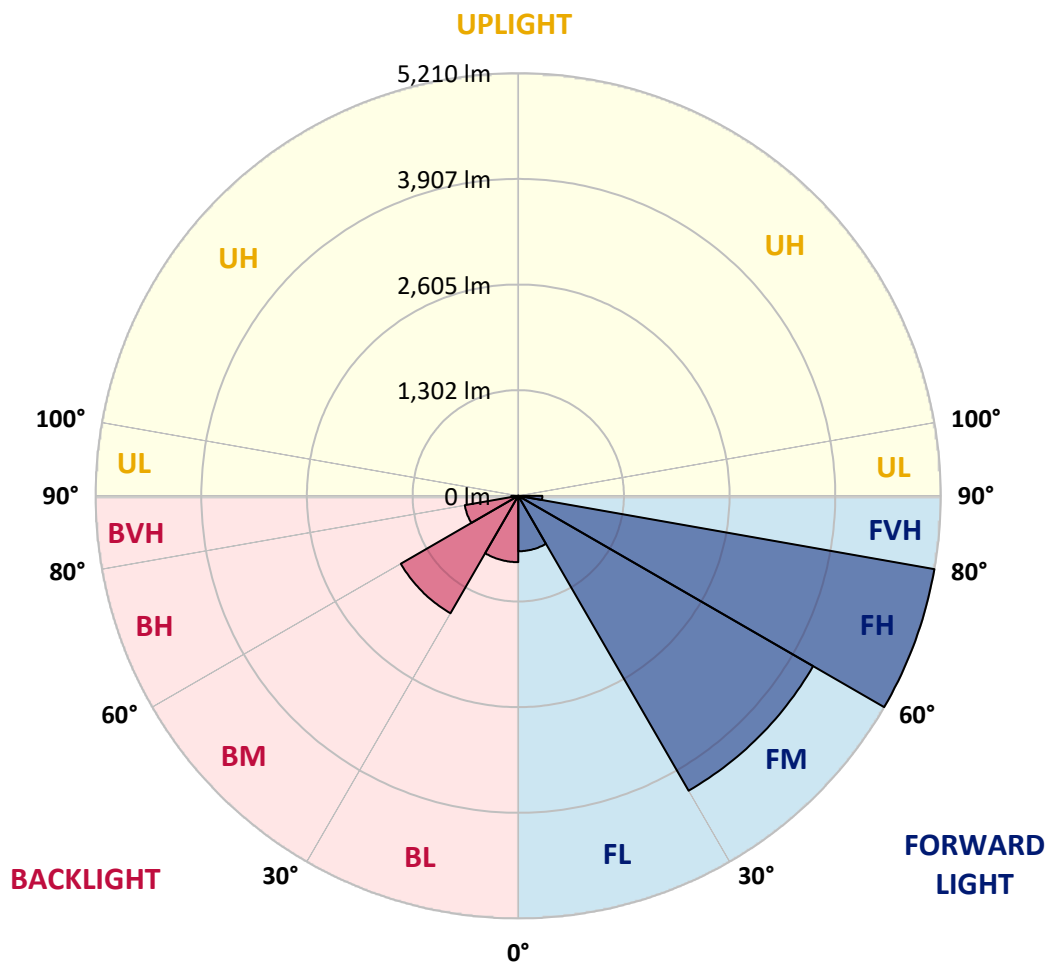
CATALOG NUMBER: GLAN-SB5A-927-U-T4FT

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 683.6  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 4197.9 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 5209.9 | 38.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 296.4  | 2.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 817.6  | 6.0       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1671.5 | 12.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 668.8  | 4.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 86.2   | 0.6       |                         |      | G1/100  |
| 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: P941559

CATALOG NUMBER: GLAN-SB5A-927-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 36°     | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| 0°    | 1816.6 | 1816.6 | 1816.6 | 1816.6 | 1816.6  | 1816.6  | 1816.6 | 1816.6 | 1816.6 | 1816.6 |
| 2.5°  | 1675.1 | 1685.4 | 1689.8 | 1687.6 | 1698.6  | 1697.2  | 1712.6 | 1731.8 | 1758.3 | 1784.1 |
| 5°    | 1546.1 | 1557.2 | 1566.7 | 1575.6 | 1596.9  | 1603.6  | 1627.9 | 1664.7 | 1713.4 | 1762.8 |
| 7.5°  | 1426.0 | 1435.6 | 1450.3 | 1466.5 | 1502.6  | 1509.3  | 1549.8 | 1607.3 | 1675.1 | 1747.3 |
| 10°   | 1328.0 | 1337.5 | 1353.0 | 1371.4 | 1416.4  | 1424.5  | 1476.1 | 1552.7 | 1641.2 | 1732.5 |
| 12.5° | 1286.0 | 1288.9 | 1297.8 | 1316.2 | 1355.2  | 1360.4  | 1417.1 | 1504.8 | 1608.0 | 1721.5 |
| 15°   | 1283.7 | 1289.6 | 1290.4 | 1300.0 | 1332.4  | 1334.6  | 1386.9 | 1473.9 | 1587.4 | 1719.3 |
| 17.5° | 1305.9 | 1310.3 | 1303.6 | 1309.5 | 1336.8  | 1340.5  | 1381.8 | 1459.1 | 1580.7 | 1728.9 |
| 20°   | 1364.8 | 1368.5 | 1348.6 | 1340.5 | 1360.4  | 1363.3  | 1403.9 | 1468.7 | 1587.4 | 1748.8 |
| 22.5° | 1490.1 | 1492.3 | 1443.7 | 1410.5 | 1412.0  | 1413.5  | 1448.8 | 1507.8 | 1613.2 | 1784.9 |
| 25°   | 1685.4 | 1683.9 | 1606.5 | 1542.4 | 1505.6  | 1497.5  | 1521.0 | 1571.2 | 1656.6 | 1832.8 |
| 27.5° | 1913.8 | 1902.8 | 1825.4 | 1729.6 | 1649.3  | 1637.5  | 1632.3 | 1653.7 | 1718.5 | 1896.1 |
| 30°   | 2171.8 | 2161.4 | 2078.2 | 1952.9 | 1841.6  | 1822.5  | 1773.8 | 1762.8 | 1810.7 | 1982.4 |
| 32.5° | 2454.7 | 2448.1 | 2348.6 | 2196.8 | 2048.0  | 2025.8  | 1944.0 | 1914.6 | 1952.2 | 2112.8 |
| 35°   | 2692.0 | 2686.1 | 2603.6 | 2447.4 | 2265.4  | 2238.1  | 2154.8 | 2121.6 | 2140.8 | 2280.1 |
| 37.5° | 2906.5 | 2903.5 | 2832.8 | 2709.7 | 2521.8  | 2488.6  | 2395.1 | 2384.0 | 2380.3 | 2500.4 |
| 40°   | 3105.5 | 3098.1 | 3024.4 | 2959.5 | 2820.3  | 2790.1  | 2707.5 | 2697.9 | 2669.9 | 2771.6 |
| 42.5° | 3325.8 | 3306.6 | 3199.8 | 3169.6 | 3132.0  | 3106.9  | 3057.6 | 3059.0 | 2997.1 | 3077.5 |
| 45°   | 3505.6 | 3494.6 | 3384.8 | 3367.1 | 3407.6  | 3397.3  | 3440.0 | 3451.1 | 3331.0 | 3398.0 |
| 47.5° | 3698.7 | 3688.4 | 3595.5 | 3583.0 | 3692.8  | 3695.8  | 3846.8 | 3850.5 | 3656.7 | 3731.1 |
| 50°   | 3936.7 | 3922.0 | 3829.9 | 3845.4 | 3968.4  | 3979.5  | 4255.8 | 4230.8 | 3956.6 | 4069.4 |
| 52.5° | 4093.7 | 4102.5 | 4082.6 | 4107.7 | 4275.7  | 4286.0  | 4658.2 | 4594.1 | 4253.6 | 4403.2 |
| 55°   | 4209.4 | 4227.1 | 4289.0 | 4346.5 | 4600.0  | 4610.3  | 5037.7 | 4939.7 | 4499.8 | 4712.7 |
| 57.5° | 4358.3 | 4333.2 | 4448.9 | 4560.9 | 4908.0  | 4935.3  | 5406.9 | 5272.8 | 4717.9 | 4979.5 |
| 60°   | 4572.0 | 4554.3 | 4644.2 | 4810.0 | 5252.9  | 5296.4  | 5797.5 | 5572.7 | 4877.8 | 5191.0 |
| 62.5° | 5005.3 | 4961.1 | 4975.1 | 5121.7 | 5687.7  | 5745.2  | 6238.2 | 5834.4 | 4957.4 | 5273.5 |
| 65°   | 5653.1 | 5577.2 | 5506.4 | 5608.1 | 6300.1  | 6356.8  | 6735.6 | 6040.0 | 4927.9 | 5113.6 |
| 67.5° | 6468.9 | 6393.7 | 6306.7 | 6402.5 | 7202.1  | 7247.1  | 7349.5 | 6155.7 | 4695.8 | 4497.5 |
| 70°   | 7141.7 | 7113.7 | 7217.6 | 7611.8 | 8642.8  | 8644.3  | 8136.6 | 6059.9 | 4059.8 | 3188.7 |
| 72.5° | 7052.5 | 7035.6 | 7583.1 | 8802.0 | 10458.6 | 10419.6 | 8881.6 | 5334.7 | 2734.8 | 1438.5 |
| 75°   | 5785.7 | 5895.5 | 6743.7 | 8780.6 | 11110.8 | 11105.7 | 8425.4 | 3391.4 | 1131.2 | 596.2  |
| 77.5° | 3102.5 | 3276.4 | 4378.2 | 6482.9 | 8673.8  | 8804.2  | 5923.5 | 1186.5 | 485.6  | 381.7  |
| 80°   | 1011.8 | 1163.6 | 1745.1 | 3300.8 | 5636.1  | 5611.8  | 2538.8 | 465.7  | 332.4  | 270.5  |
| 82.5° | 429.6  | 447.3  | 779.7  | 1558.6 | 2892.5  | 2847.5  | 808.4  | 267.5  | 233.6  | 185.0  |
| 85°   | 168.0  | 187.9  | 344.2  | 720.7  | 1252.8  | 1225.5  | 291.8  | 132.6  | 149.6  | 120.9  |
| 87.5° | 55.3   | 67.1   | 123.1  | 246.9  | 389.8   | 375.8   | 71.5   | 45.7   | 64.9   | 55.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P941559

CATALOG NUMBER: GLAN-SB5A-927-U-T4FT

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1816.6 | 0°    | 1816.6 | 1816.6 | 1816.6 | 1816.6 | 1816.6 | 1816.6 | 1816.6 | 1816.6 | 1816.6 | 1816.6 |
| 1821.7 | 2.5°  | 1832.0 | 1843.8 | 1857.8 | 1878.5 | 1896.1 | 1910.9 | 1926.4 | 1935.9 | 1939.6 | 1950.7 |
| 1824.7 | 5°    | 1845.3 | 1871.1 | 1905.7 | 1939.6 | 1972.8 | 1992.7 | 2010.4 | 2019.2 | 2027.3 | 2033.2 |
| 1832.8 | 7.5°  | 1867.4 | 1900.6 | 1955.1 | 1999.3 | 2027.3 | 2043.5 | 2055.3 | 2052.4 | 2055.3 | 2056.8 |
| 1841.6 | 10°   | 1886.6 | 1933.0 | 1997.8 | 2039.8 | 2061.2 | 2062.0 | 2059.0 | 2048.7 | 2043.5 | 2044.3 |
| 1854.9 | 12.5° | 1909.4 | 1961.0 | 2031.0 | 2066.4 | 2072.3 | 2056.1 | 2043.5 | 2025.8 | 2019.2 | 2016.3 |
| 1874.8 | 15°   | 1940.4 | 1999.3 | 2067.1 | 2080.4 | 2065.6 | 2045.0 | 2023.6 | 1994.9 | 1980.2 | 1968.4 |
| 1908.7 | 17.5° | 1977.9 | 2042.8 | 2095.1 | 2085.5 | 2053.9 | 2020.0 | 1985.3 | 1941.8 | 1911.6 | 1899.1 |
| 1955.1 | 20°   | 2030.3 | 2088.5 | 2116.5 | 2074.5 | 2026.6 | 1975.0 | 1916.0 | 1863.0 | 1835.0 | 1822.5 |
| 2014.1 | 22.5° | 2093.6 | 2149.7 | 2137.1 | 2055.3 | 1987.5 | 1905.0 | 1831.3 | 1792.2 | 1778.2 | 1769.4 |
| 2090.0 | 25°   | 2169.6 | 2217.5 | 2151.9 | 2027.3 | 1923.4 | 1812.1 | 1755.4 | 1742.9 | 1736.2 | 1729.6 |
| 2182.8 | 27.5° | 2268.3 | 2294.1 | 2162.9 | 1986.1 | 1823.2 | 1713.4 | 1692.8 | 1695.0 | 1692.8 | 1681.7 |
| 2311.8 | 30°   | 2398.7 | 2393.6 | 2173.2 | 1919.0 | 1708.2 | 1624.2 | 1625.7 | 1635.3 | 1636.7 | 1629.4 |
| 2491.6 | 32.5° | 2570.4 | 2518.1 | 2178.4 | 1832.0 | 1598.4 | 1546.1 | 1547.6 | 1557.9 | 1565.3 | 1552.7 |
| 2726.7 | 35°   | 2778.3 | 2663.3 | 2170.3 | 1723.0 | 1513.7 | 1471.7 | 1460.6 | 1463.6 | 1465.8 | 1454.0 |
| 3011.9 | 37.5° | 3020.7 | 2826.2 | 2134.2 | 1602.1 | 1443.7 | 1398.7 | 1375.1 | 1355.2 | 1343.4 | 1332.4 |
| 3334.7 | 40°   | 3286.8 | 3003.8 | 2067.9 | 1484.2 | 1365.5 | 1321.3 | 1286.0 | 1248.4 | 1208.6 | 1193.8 |
| 3676.6 | 42.5° | 3565.3 | 3186.5 | 1987.5 | 1371.4 | 1275.6 | 1239.5 | 1201.9 | 1147.4 | 1087.7 | 1057.5 |
| 4031.8 | 45°   | 3854.2 | 3373.7 | 1908.7 | 1260.2 | 1183.5 | 1168.0 | 1124.6 | 1059.0 | 994.1  | 955.8  |
| 4387.7 | 47.5° | 4137.2 | 3550.6 | 1793.0 | 1148.2 | 1097.3 | 1114.3 | 1080.4 | 1019.9 | 947.7  | 887.3  |
| 4740.7 | 50°   | 4407.6 | 3716.4 | 1603.6 | 1034.7 | 1027.3 | 1098.0 | 1065.6 | 978.7  | 896.1  | 818.7  |
| 5087.1 | 52.5° | 4675.9 | 3850.5 | 1361.1 | 931.5  | 989.7  | 1093.6 | 1046.5 | 950.7  | 849.7  | 768.6  |
| 5412.8 | 55°   | 4903.6 | 3919.8 | 1127.5 | 843.1  | 935.2  | 1056.0 | 1023.6 | 917.5  | 784.1  | 697.9  |
| 5636.1 | 57.5° | 5033.3 | 3863.8 | 933.0  | 756.1  | 860.0  | 994.1  | 984.6  | 846.7  | 706.0  | 639.7  |
| 5679.6 | 60°   | 4977.3 | 3636.8 | 773.8  | 680.2  | 788.5  | 927.1  | 916.8  | 776.7  | 646.3  | 583.7  |
| 5446.7 | 62.5° | 4668.5 | 3204.2 | 647.8  | 613.9  | 723.7  | 858.5  | 849.0  | 722.9  | 600.6  | 540.2  |
| 4828.4 | 65°   | 4046.5 | 2606.6 | 549.8  | 558.6  | 658.1  | 776.0  | 790.0  | 678.0  | 564.5  | 505.5  |
| 3735.5 | 67.5° | 3086.3 | 1888.0 | 473.1  | 510.7  | 594.0  | 694.9  | 735.5  | 645.6  | 534.3  | 478.3  |
| 2161.4 | 70°   | 1759.1 | 1072.2 | 408.3  | 464.3  | 537.2  | 619.8  | 693.5  | 619.8  | 501.9  | 455.4  |
| 809.9  | 72.5° | 666.9  | 492.3  | 353.0  | 417.8  | 482.7  | 556.4  | 647.0  | 579.2  | 464.3  | 429.6  |
| 418.6  | 75°   | 355.9  | 299.9  | 297.0  | 363.3  | 420.1  | 494.5  | 588.8  | 539.4  | 436.3  | 454.0  |
| 289.6  | 77.5° | 242.5  | 212.2  | 248.3  | 311.0  | 351.5  | 426.0  | 526.9  | 479.0  | 378.1  | 376.6  |
| 200.4  | 80°   | 168.0  | 150.3  | 201.9  | 250.6  | 271.9  | 358.2  | 459.9  | 411.2  | 308.0  | 287.4  |
| 123.8  | 82.5° | 101.0  | 98.0   | 151.1  | 187.2  | 192.3  | 276.4  | 381.0  | 344.9  | 252.0  | 219.6  |
| 73.7   | 85°   | 55.3   | 58.2   | 96.5   | 109.8  | 112.0  | 193.1  | 298.5  | 266.8  | 193.8  | 162.9  |
| 26.5   | 87.5° | 15.5   | 19.9   | 35.4   | 43.5   | 53.8   | 100.2  | 177.6  | 158.4  | 97.3   | 67.8   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O



| 180°   |
|--------|
| 1816.6 |
| 1949.9 |
| 2034.7 |
| 2059.0 |
| 2045.7 |
| 2014.8 |
| 1972.1 |
| 1899.8 |
| 1821.0 |
| 1770.9 |
| 1729.6 |
| 1683.9 |
| 1633.1 |
| 1558.6 |
| 1462.1 |
| 1339.8 |
| 1200.5 |
| 1061.2 |
| 952.9  |
| 880.6  |
| 812.1  |
| 759.8  |
| 690.5  |
| 630.8  |
| 574.8  |
| 530.6  |
| 496.0  |
| 469.4  |
| 449.5  |
| 423.7  |
| 468.7  |
| 347.1  |
| 274.9  |
| 221.1  |
| 164.3  |
| 67.8   |
| 0.0    |