

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: McGRAW-EDISON

Report Number: P946289

Luminaire Tested: **GALN-SB2A-727-U-SLL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946289  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB2A-727-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 8291 lumens  
Efficiency: N/A  
Efficacy: 144.7 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): 57.3  
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



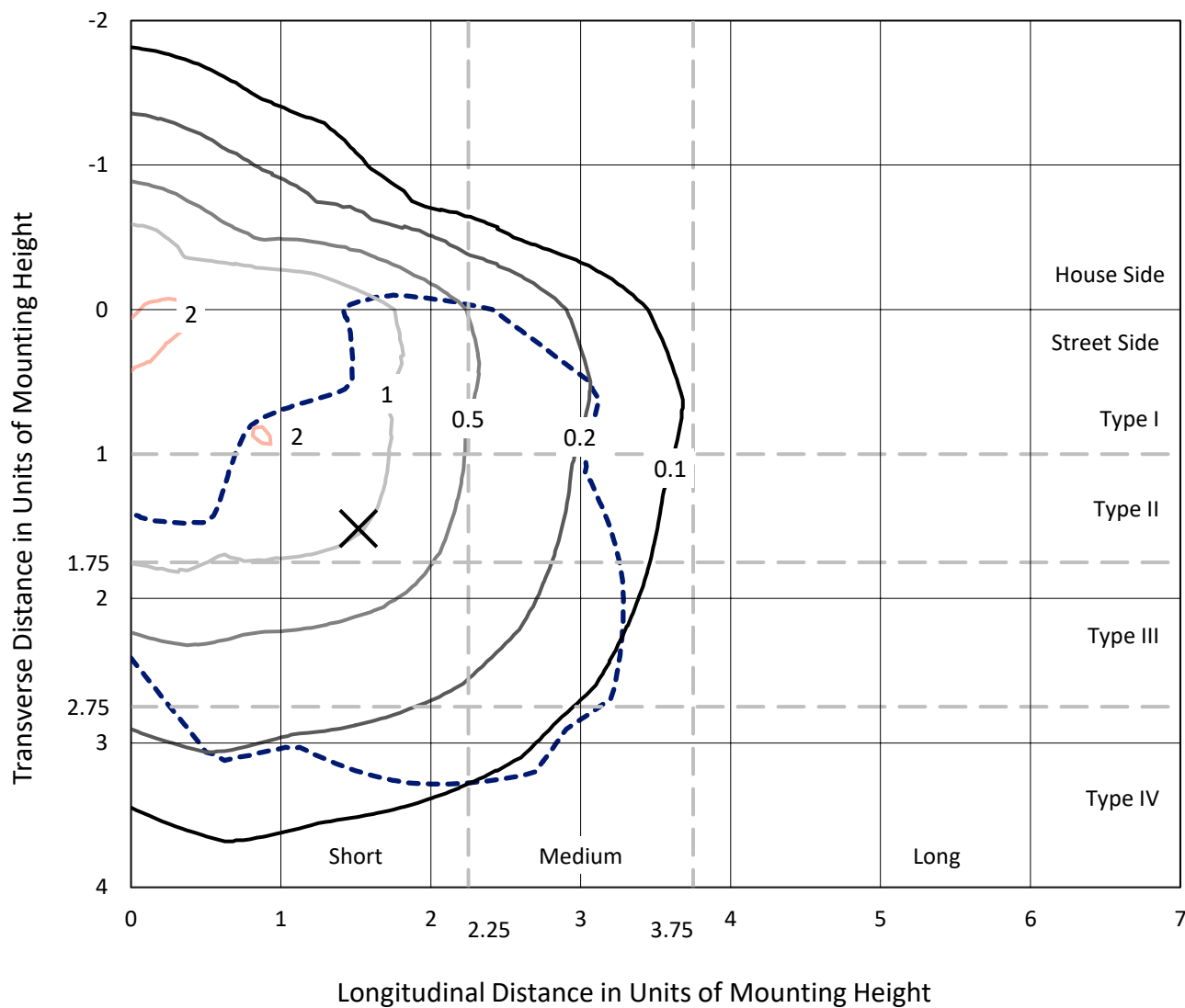
REPORT NUMBER: P946289

CATALOG NUMBER: GALN-SB2A-727-U-SLL

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

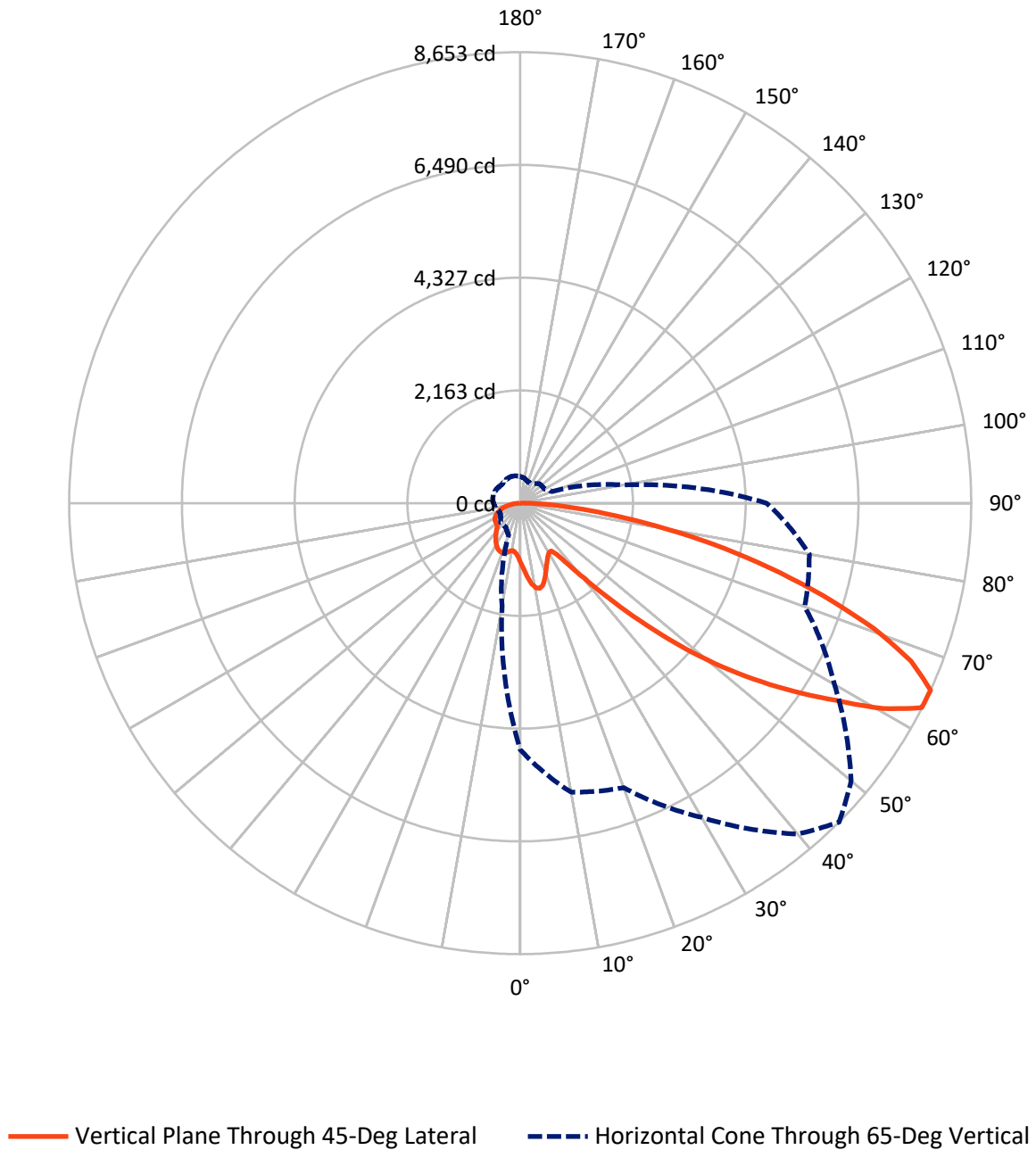


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



REPORT NUMBER: P946289

CATALOG NUMBER: GALN-SB2A-727-U-SLL

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2107.2   | 0.0    | 2107.2 |
|                    | % Fixture | 25.4     | 0.0    | 25.4   |
| <b>Street Side</b> | Lumens    | 6183.8   | 0.0    | 6183.8 |
|                    | % Fixture | 74.6     | 0.0    | 74.6   |
| <b>Total</b>       | Lumens    | 8291.0   | 0.0    | 8291.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 113.1  | 1.4       |
| 10°-20°   | 355.0  | 4.3       |
| 20°-30°   | 548.4  | 6.6       |
| 30°-40°   | 695.0  | 8.4       |
| 40°-50°   | 1048.2 | 12.6      |
| 50°-60°   | 1693.5 | 20.4      |
| 60°-70°   | 2111.2 | 25.5      |
| 70°-80°   | 1384.4 | 16.7      |
| 80°-90°   | 342.3  | 4.1       |
| 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°    | 8291.0 | 100.0     |
| 0°-180°   | 8291.0 | 100.0     |

**Coefficient of Utilization**



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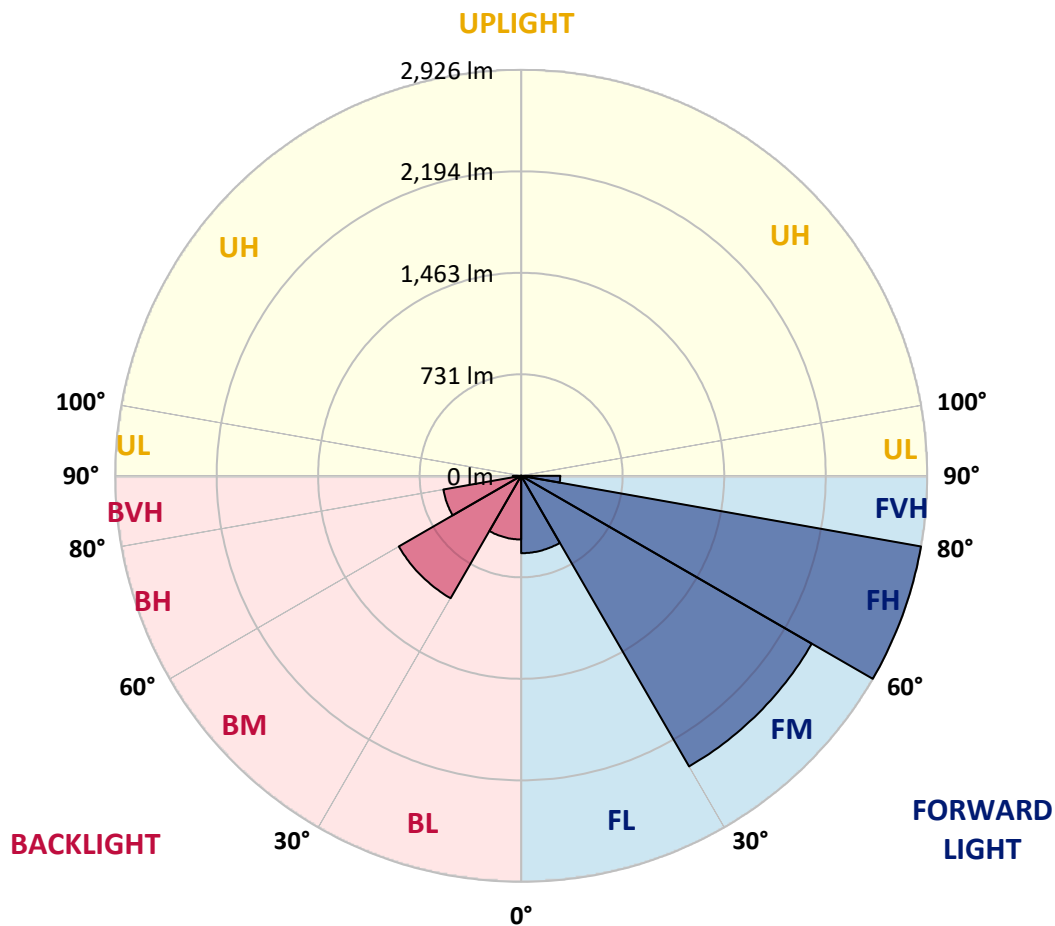
CATALOG NUMBER: GALN-SB2A-727-U-SLL

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 557.7  | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 2418.3 | 29.2      |                         |      |         |
| FH   | (60°-80°)   | 2925.9 | 35.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 282.0  | 3.4       |                         |      | G3/500  |
| BL   | (0°-30°)    | 458.9  | 5.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1018.3 | 12.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 569.7  | 6.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 60.3   | 0.7       |                         |      | 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



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 2.5°  | 1226.0 | 1230.7 | 1235.4 | 1242.0 | 1248.6 | 1252.5 | 1256.5 | 1258.4 | 1260.4 | 1259.5 | 1260.4 |
| 5°    | 1318.4 | 1334.6 | 1350.9 | 1367.0 | 1383.1 | 1391.9 | 1400.6 | 1405.9 | 1411.2 | 1415.3 | 1411.2 |
| 7.5°  | 1411.1 | 1437.5 | 1463.9 | 1487.7 | 1511.4 | 1525.7 | 1540.0 | 1547.8 | 1555.5 | 1559.2 | 1555.5 |
| 10°   | 1482.2 | 1513.4 | 1544.7 | 1572.5 | 1600.4 | 1617.3 | 1634.1 | 1641.6 | 1649.1 | 1651.9 | 1649.1 |
| 12.5° | 1525.7 | 1559.6 | 1593.4 | 1618.6 | 1643.7 | 1656.0 | 1668.2 | 1672.3 | 1676.4 | 1676.9 | 1676.4 |
| 15°   | 1552.2 | 1581.4 | 1610.6 | 1626.4 | 1642.2 | 1642.7 | 1643.1 | 1638.7 | 1634.4 | 1629.2 | 1634.4 |
| 17.5° | 1567.1 | 1586.8 | 1606.5 | 1606.8 | 1607.1 | 1589.4 | 1571.7 | 1555.4 | 1539.2 | 1527.7 | 1539.2 |
| 20°   | 1583.5 | 1590.3 | 1597.3 | 1576.5 | 1555.7 | 1516.6 | 1477.5 | 1449.0 | 1420.5 | 1403.0 | 1420.5 |
| 22.5° | 1602.5 | 1593.5 | 1584.5 | 1541.4 | 1498.4 | 1440.9 | 1383.3 | 1347.7 | 1312.1 | 1292.8 | 1312.1 |
| 25°   | 1627.0 | 1598.6 | 1570.1 | 1504.8 | 1439.4 | 1369.5 | 1299.7 | 1262.2 | 1224.9 | 1206.6 | 1224.9 |
| 27.5° | 1660.3 | 1609.4 | 1558.5 | 1472.0 | 1385.4 | 1308.0 | 1230.6 | 1193.7 | 1156.9 | 1139.6 | 1156.9 |
| 30°   | 1705.1 | 1629.3 | 1553.5 | 1446.9 | 1340.4 | 1259.7 | 1179.0 | 1144.9 | 1110.7 | 1094.6 | 1110.7 |
| 32.5° | 1758.0 | 1654.2 | 1550.4 | 1429.9 | 1309.3 | 1233.5 | 1157.7 | 1130.9 | 1104.0 | 1092.4 | 1104.0 |
| 35°   | 1822.3 | 1695.3 | 1568.3 | 1442.6 | 1317.0 | 1264.4 | 1211.7 | 1205.5 | 1199.2 | 1198.3 | 1199.2 |
| 37.5° | 1930.6 | 1781.2 | 1631.7 | 1517.5 | 1403.4 | 1399.9 | 1396.5 | 1425.1 | 1453.8 | 1468.6 | 1453.8 |
| 40°   | 2094.2 | 1931.7 | 1769.2 | 1684.3 | 1599.4 | 1659.3 | 1719.2 | 1788.8 | 1858.3 | 1893.0 | 1858.3 |
| 42.5° | 2311.2 | 2150.0 | 1988.7 | 1939.8 | 1890.9 | 2021.6 | 2152.3 | 2278.9 | 2405.4 | 2479.7 | 2405.4 |
| 45°   | 2579.2 | 2434.3 | 2289.4 | 2267.9 | 2246.3 | 2455.7 | 2665.2 | 2873.0 | 3081.0 | 3207.2 | 3081.0 |
| 47.5° | 2914.3 | 2773.4 | 2632.4 | 2628.1 | 2623.7 | 2925.8 | 3227.8 | 3532.2 | 3836.5 | 4015.2 | 3836.5 |
| 50°   | 3353.5 | 3179.5 | 3005.4 | 3006.2 | 3006.9 | 3396.3 | 3785.6 | 4187.4 | 4589.1 | 4832.0 | 4589.1 |
| 52.5° | 3857.7 | 3647.0 | 3436.2 | 3414.9 | 3393.6 | 3858.7 | 4323.7 | 4820.8 | 5317.8 | 5609.0 | 5317.8 |
| 55°   | 4394.5 | 4186.3 | 3978.0 | 3895.0 | 3811.9 | 4329.5 | 4847.1 | 5439.7 | 6032.3 | 6378.5 | 6032.3 |
| 57.5° | 4882.8 | 4769.4 | 4655.9 | 4489.3 | 4322.7 | 4845.4 | 5368.0 | 6039.2 | 6710.4 | 7139.7 | 6710.4 |
| 60°   | 5177.8 | 5354.0 | 5530.2 | 5323.2 | 5116.3 | 5610.9 | 6105.5 | 6824.1 | 7542.8 | 8006.8 | 7542.8 |
| 62.5° | 5028.0 | 5509.3 | 5990.6 | 5967.2 | 5943.9 | 6397.0 | 6850.1 | 7533.8 | 8217.5 | 8646.4 | 8217.5 |
| 65°   | 4728.1 | 5179.8 | 5631.5 | 5720.9 | 5810.2 | 6386.0 | 6961.9 | 7624.9 | 8287.8 | 8653.0 | 8287.8 |
| 67.5° | 4326.3 | 4755.9 | 5185.5 | 5227.4 | 5269.3 | 5869.2 | 6469.2 | 7135.0 | 7800.8 | 8086.9 | 7800.8 |
| 70°   | 3843.5 | 4310.8 | 4778.1 | 4796.8 | 4815.6 | 5352.1 | 5888.6 | 6461.6 | 7034.5 | 7193.6 | 7034.5 |
| 72.5° | 3268.2 | 3804.5 | 4340.7 | 4354.2 | 4367.6 | 4787.4 | 5207.2 | 5636.3 | 6065.4 | 6081.5 | 6065.4 |
| 75°   | 2540.5 | 3095.5 | 3650.5 | 3700.3 | 3750.1 | 4076.7 | 4403.3 | 4705.4 | 5007.4 | 4926.5 | 5007.4 |
| 77.5° | 1815.1 | 2333.2 | 2851.3 | 2922.6 | 2993.9 | 3242.2 | 3490.5 | 3704.7 | 3919.0 | 3779.9 | 3919.0 |
| 80°   | 1188.0 | 1623.9 | 2059.7 | 2148.3 | 2236.9 | 2424.5 | 2611.9 | 2724.4 | 2836.9 | 2613.1 | 2836.9 |
| 82.5° | 690.6  | 988.5  | 1286.6 | 1385.6 | 1484.6 | 1613.7 | 1742.7 | 1789.7 | 1836.6 | 1660.7 | 1836.6 |
| 85°   | 303.8  | 462.0  | 620.1  | 704.3  | 788.6  | 894.6  | 1000.6 | 1027.3 | 1053.9 | 913.0  | 1053.9 |
| 87.5° | 94.1   | 147.2  | 200.4  | 247.4  | 294.3  | 347.4  | 400.4  | 402.7  | 404.9  | 339.9  | 404.9  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 2.5°  | 1258.4 | 1256.5 | 1252.5 | 1248.6 | 1242.0 | 1235.4 | 1230.7 | 1226.0 | 1216.6 | 1207.2 | 1197.2 |
| 5°    | 1405.9 | 1400.6 | 1391.9 | 1383.1 | 1367.0 | 1350.9 | 1334.6 | 1318.4 | 1297.6 | 1276.8 | 1256.1 |
| 7.5°  | 1547.8 | 1540.0 | 1525.7 | 1511.4 | 1487.7 | 1463.9 | 1437.5 | 1411.1 | 1376.8 | 1342.6 | 1310.9 |
| 10°   | 1641.6 | 1634.1 | 1617.3 | 1600.4 | 1572.5 | 1544.7 | 1513.4 | 1482.2 | 1438.8 | 1395.5 | 1353.6 |
| 12.5° | 1672.3 | 1668.2 | 1656.0 | 1643.7 | 1618.6 | 1593.4 | 1559.6 | 1525.7 | 1478.1 | 1430.5 | 1383.1 |
| 15°   | 1638.7 | 1643.1 | 1642.7 | 1642.2 | 1626.4 | 1610.6 | 1581.4 | 1552.2 | 1502.5 | 1452.9 | 1401.4 |
| 17.5° | 1555.4 | 1571.7 | 1589.4 | 1607.1 | 1606.8 | 1606.5 | 1586.8 | 1567.1 | 1516.7 | 1466.4 | 1410.2 |
| 20°   | 1449.0 | 1477.5 | 1516.6 | 1555.7 | 1576.5 | 1597.3 | 1590.3 | 1583.5 | 1531.2 | 1478.8 | 1417.1 |
| 22.5° | 1347.7 | 1383.3 | 1440.9 | 1498.4 | 1541.4 | 1584.5 | 1593.5 | 1602.5 | 1549.0 | 1495.5 | 1426.4 |
| 25°   | 1262.2 | 1299.7 | 1369.5 | 1439.4 | 1504.8 | 1570.1 | 1598.6 | 1627.0 | 1574.6 | 1522.2 | 1443.2 |
| 27.5° | 1193.7 | 1230.6 | 1308.0 | 1385.4 | 1472.0 | 1558.5 | 1609.4 | 1660.3 | 1610.3 | 1560.3 | 1469.4 |
| 30°   | 1144.9 | 1179.0 | 1259.7 | 1340.4 | 1446.9 | 1553.5 | 1629.3 | 1705.1 | 1656.8 | 1608.5 | 1503.4 |
| 32.5° | 1130.9 | 1157.7 | 1233.5 | 1309.3 | 1429.9 | 1550.4 | 1654.2 | 1758.0 | 1710.2 | 1662.4 | 1538.9 |
| 35°   | 1205.5 | 1211.7 | 1264.4 | 1317.0 | 1442.6 | 1568.3 | 1695.3 | 1822.3 | 1776.6 | 1730.8 | 1579.3 |
| 37.5° | 1425.1 | 1396.5 | 1399.9 | 1403.4 | 1517.5 | 1631.7 | 1781.2 | 1930.6 | 1872.3 | 1813.9 | 1624.6 |
| 40°   | 1788.8 | 1719.2 | 1659.3 | 1599.4 | 1684.3 | 1769.2 | 1931.7 | 2094.2 | 2009.2 | 1924.1 | 1682.1 |
| 42.5° | 2278.9 | 2152.3 | 2021.6 | 1890.9 | 1939.8 | 1988.7 | 2150.0 | 2311.2 | 2188.5 | 2065.7 | 1757.3 |
| 45°   | 2873.0 | 2665.2 | 2455.7 | 2246.3 | 2267.9 | 2289.4 | 2434.3 | 2579.2 | 2413.6 | 2248.0 | 1856.2 |
| 47.5° | 3532.2 | 3227.8 | 2925.8 | 2623.7 | 2628.1 | 2632.4 | 2773.4 | 2914.3 | 2681.3 | 2448.2 | 1961.7 |
| 50°   | 4187.4 | 3785.6 | 3396.3 | 3006.9 | 3006.2 | 3005.4 | 3179.5 | 3353.5 | 3002.2 | 2650.8 | 2059.5 |
| 52.5° | 4820.8 | 4323.7 | 3858.7 | 3393.6 | 3414.9 | 3436.2 | 3647.0 | 3857.7 | 3339.3 | 2820.9 | 2123.0 |
| 55°   | 5439.7 | 4847.1 | 4329.5 | 3811.9 | 3895.0 | 3978.0 | 4186.3 | 4394.5 | 3638.2 | 2881.9 | 2109.0 |
| 57.5° | 6039.2 | 5368.0 | 4845.4 | 4322.7 | 4489.3 | 4655.9 | 4769.4 | 4882.8 | 3850.0 | 2817.3 | 2010.5 |
| 60°   | 6824.1 | 6105.5 | 5610.9 | 5116.3 | 5323.2 | 5530.2 | 5354.0 | 5177.8 | 3903.0 | 2628.1 | 1827.2 |
| 62.5° | 7533.8 | 6850.1 | 6397.0 | 5943.9 | 5967.2 | 5990.6 | 5509.3 | 5028.0 | 3680.1 | 2332.1 | 1579.2 |
| 65°   | 7624.9 | 6961.9 | 6386.0 | 5810.2 | 5720.9 | 5631.5 | 5179.8 | 4728.1 | 3364.7 | 2001.3 | 1326.3 |
| 67.5° | 7135.0 | 6469.2 | 5869.2 | 5269.3 | 5227.4 | 5185.5 | 4755.9 | 4326.3 | 2989.4 | 1652.5 | 1078.5 |
| 70°   | 6461.6 | 5888.6 | 5352.1 | 4815.6 | 4796.8 | 4778.1 | 4310.8 | 3843.5 | 2579.8 | 1316.2 | 849.2  |
| 72.5° | 5636.3 | 5207.2 | 4787.4 | 4367.6 | 4354.2 | 4340.7 | 3804.5 | 3268.2 | 2135.9 | 1003.6 | 649.2  |
| 75°   | 4705.4 | 4403.3 | 4076.7 | 3750.1 | 3700.3 | 3650.5 | 3095.5 | 2540.5 | 1627.0 | 713.4  | 471.2  |
| 77.5° | 3704.7 | 3490.5 | 3242.2 | 2993.9 | 2922.6 | 2851.3 | 2333.2 | 1815.1 | 1138.7 | 462.3  | 319.3  |
| 80°   | 2724.4 | 2611.9 | 2424.5 | 2236.9 | 2148.3 | 2059.7 | 1623.9 | 1188.0 | 733.7  | 279.3  | 205.7  |
| 82.5° | 1789.7 | 1742.7 | 1613.7 | 1484.6 | 1385.6 | 1286.6 | 988.5  | 690.6  | 424.6  | 158.7  | 126.5  |
| 85°   | 1027.3 | 1000.6 | 894.6  | 788.6  | 704.3  | 620.1  | 462.0  | 303.8  | 191.0  | 78.2   | 67.6   |
| 87.5° | 402.7  | 400.4  | 347.4  | 294.3  | 247.4  | 200.4  | 147.2  | 94.1   | 62.6   | 31.1   | 28.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 2.5°  | 1187.2 | 1177.2 | 1167.1 | 1157.5 | 1147.9 | 1138.6 | 1128.2 | 1119.8 | 1111.4 | 1103.9 | 1096.3 |
| 5°    | 1235.4 | 1214.5 | 1193.7 | 1174.2 | 1154.7 | 1136.4 | 1118.2 | 1102.4 | 1086.5 | 1073.2 | 1059.9 |
| 7.5°  | 1279.2 | 1248.4 | 1217.5 | 1190.4 | 1163.2 | 1138.1 | 1114.6 | 1093.5 | 1072.5 | 1055.0 | 1037.5 |
| 10°   | 1311.8 | 1274.3 | 1236.9 | 1204.7 | 1172.5 | 1141.6 | 1116.4 | 1094.1 | 1071.9 | 1054.4 | 1036.9 |
| 12.5° | 1335.6 | 1291.5 | 1247.3 | 1210.9 | 1174.6 | 1142.1 | 1118.6 | 1100.4 | 1082.2 | 1070.6 | 1059.1 |
| 15°   | 1350.0 | 1299.1 | 1248.2 | 1206.1 | 1164.1 | 1128.1 | 1109.2 | 1100.5 | 1091.9 | 1093.4 | 1095.0 |
| 17.5° | 1354.1 | 1295.0 | 1236.0 | 1185.4 | 1134.7 | 1092.4 | 1080.8 | 1084.0 | 1087.1 | 1106.2 | 1125.3 |
| 20°   | 1355.4 | 1283.8 | 1212.3 | 1149.5 | 1086.8 | 1037.5 | 1034.4 | 1049.3 | 1064.2 | 1097.3 | 1130.5 |
| 22.5° | 1357.2 | 1270.1 | 1183.0 | 1107.5 | 1031.9 | 975.8  | 981.8  | 1003.8 | 1025.8 | 1063.6 | 1101.5 |
| 25°   | 1364.1 | 1256.5 | 1149.1 | 1060.5 | 972.1  | 914.6  | 930.7  | 956.1  | 981.5  | 1015.5 | 1049.5 |
| 27.5° | 1378.5 | 1247.5 | 1116.5 | 1017.6 | 918.8  | 866.4  | 886.1  | 910.6  | 935.1  | 963.1  | 991.0  |
| 30°   | 1398.3 | 1243.2 | 1088.1 | 981.8  | 875.4  | 831.4  | 846.9  | 866.3  | 885.8  | 909.0  | 932.2  |
| 32.5° | 1415.3 | 1238.0 | 1060.5 | 950.8  | 841.1  | 805.6  | 812.5  | 824.0  | 835.5  | 854.0  | 872.6  |
| 35°   | 1427.9 | 1228.1 | 1028.4 | 920.4  | 812.4  | 782.9  | 780.0  | 783.2  | 786.4  | 800.5  | 814.6  |
| 37.5° | 1435.3 | 1211.2 | 987.1  | 884.6  | 782.2  | 756.4  | 746.0  | 742.5  | 739.0  | 749.1  | 759.3  |
| 40°   | 1440.0 | 1187.9 | 935.8  | 841.9  | 748.1  | 724.7  | 708.7  | 700.8  | 692.9  | 700.2  | 707.5  |
| 42.5° | 1448.9 | 1163.8 | 878.8  | 794.8  | 710.8  | 689.3  | 669.1  | 658.6  | 648.1  | 654.1  | 660.1  |
| 45°   | 1464.5 | 1141.4 | 818.4  | 744.8  | 671.1  | 649.2  | 629.8  | 619.5  | 609.3  | 614.3  | 619.4  |
| 47.5° | 1475.2 | 1123.0 | 770.8  | 705.2  | 639.6  | 611.4  | 594.6  | 586.1  | 577.5  | 582.2  | 586.9  |
| 50°   | 1468.2 | 1102.9 | 737.5  | 678.9  | 620.3  | 583.2  | 563.7  | 556.1  | 548.5  | 555.9  | 563.3  |
| 52.5° | 1425.1 | 1068.9 | 712.7  | 661.6  | 610.5  | 567.9  | 540.6  | 533.1  | 525.6  | 536.7  | 547.7  |
| 55°   | 1336.1 | 1012.5 | 689.0  | 649.0  | 609.1  | 569.4  | 528.4  | 516.5  | 504.6  | 520.3  | 536.0  |
| 57.5° | 1203.7 | 933.1  | 662.4  | 634.1  | 605.9  | 570.9  | 521.0  | 503.7  | 486.4  | 503.3  | 520.2  |
| 60°   | 1026.3 | 829.9  | 633.6  | 611.4  | 589.2  | 566.1  | 514.1  | 491.7  | 469.2  | 484.0  | 498.8  |
| 62.5° | 826.3  | 706.4  | 586.6  | 571.8  | 557.1  | 554.3  | 506.1  | 478.0  | 450.0  | 459.4  | 468.8  |
| 65°   | 651.3  | 595.4  | 539.4  | 532.5  | 525.5  | 525.9  | 489.1  | 459.3  | 429.4  | 433.0  | 436.6  |
| 67.5° | 504.5  | 488.6  | 472.7  | 476.6  | 480.4  | 479.5  | 458.8  | 434.0  | 409.1  | 408.0  | 406.9  |
| 70°   | 382.1  | 386.7  | 391.2  | 409.2  | 427.2  | 427.2  | 420.4  | 402.7  | 385.1  | 381.1  | 377.2  |
| 72.5° | 294.8  | 308.5  | 322.2  | 347.8  | 373.3  | 377.5  | 377.6  | 365.5  | 353.4  | 347.6  | 341.9  |
| 75°   | 228.9  | 241.3  | 253.7  | 282.4  | 311.0  | 330.7  | 329.1  | 319.8  | 310.4  | 304.9  | 299.3  |
| 77.5° | 176.2  | 184.7  | 193.1  | 220.9  | 248.7  | 281.3  | 280.4  | 272.9  | 265.5  | 259.9  | 254.3  |
| 80°   | 132.1  | 135.6  | 139.1  | 162.7  | 186.1  | 225.1  | 225.0  | 218.7  | 212.4  | 207.7  | 203.0  |
| 82.5° | 94.4   | 95.0   | 95.7   | 113.0  | 130.4  | 163.6  | 165.5  | 162.4  | 159.3  | 156.0  | 152.7  |
| 85°   | 57.1   | 56.8   | 56.4   | 69.1   | 81.8   | 106.5  | 108.9  | 105.7  | 102.4  | 98.7   | 94.9   |
| 87.5° | 25.0   | 24.7   | 24.4   | 29.6   | 34.8   | 45.1   | 48.1   | 46.8   | 45.5   | 44.8   | 44.1   |
| 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: P946289

CATALOG NUMBER: GALN-SB2A-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 2.5°  | 1089.7 | 1083.1 | 1076.5 | 1069.9 | 1064.7 | 1059.6 | 1055.4 | 1051.3 | 1048.0 | 1044.8 | 1041.8 |
| 5°    | 1048.2 | 1036.5 | 1025.9 | 1015.2 | 1007.0 | 998.8  | 993.0  | 987.3  | 983.2  | 979.2  | 976.1  |
| 7.5°  | 1022.8 | 1008.0 | 994.9  | 981.9  | 972.2  | 962.5  | 955.6  | 948.8  | 944.1  | 939.5  | 936.7  |
| 10°   | 1021.0 | 1005.1 | 990.5  | 975.8  | 964.2  | 952.5  | 944.9  | 937.2  | 932.8  | 928.3  | 926.0  |
| 12.5° | 1046.5 | 1034.1 | 1018.9 | 1003.8 | 988.9  | 974.1  | 964.2  | 954.4  | 949.4  | 944.5  | 942.5  |
| 15°   | 1091.8 | 1088.5 | 1075.4 | 1062.2 | 1041.0 | 1019.9 | 1004.9 | 989.9  | 983.1  | 976.2  | 973.6  |
| 17.5° | 1135.4 | 1145.6 | 1134.9 | 1124.3 | 1096.3 | 1068.2 | 1046.2 | 1024.2 | 1014.0 | 1003.8 | 1000.5 |
| 20°   | 1151.7 | 1172.9 | 1168.0 | 1163.1 | 1131.0 | 1099.0 | 1071.9 | 1044.9 | 1031.9 | 1018.9 | 1014.7 |
| 22.5° | 1129.1 | 1156.7 | 1159.7 | 1162.6 | 1132.0 | 1101.4 | 1073.5 | 1045.7 | 1032.0 | 1018.2 | 1013.7 |
| 25°   | 1076.7 | 1103.9 | 1114.0 | 1124.1 | 1099.0 | 1073.9 | 1049.2 | 1024.5 | 1012.6 | 1000.7 | 996.4  |
| 27.5° | 1012.8 | 1034.6 | 1045.8 | 1057.2 | 1039.3 | 1021.4 | 1002.2 | 983.0  | 975.1  | 967.1  | 965.1  |
| 30°   | 950.3  | 968.4  | 977.6  | 986.7  | 973.1  | 959.5  | 945.8  | 931.9  | 927.9  | 923.7  | 923.7  |
| 32.5° | 889.9  | 907.3  | 917.4  | 927.7  | 915.2  | 902.6  | 891.6  | 880.7  | 878.0  | 875.3  | 875.7  |
| 35°   | 831.7  | 848.9  | 861.2  | 873.4  | 864.5  | 855.6  | 845.5  | 835.4  | 831.3  | 827.3  | 826.4  |
| 37.5° | 776.4  | 793.5  | 808.6  | 823.8  | 819.7  | 815.6  | 806.2  | 796.9  | 789.5  | 782.1  | 778.2  |
| 40°   | 724.0  | 740.6  | 758.0  | 775.4  | 776.4  | 777.4  | 769.5  | 761.6  | 750.8  | 740.1  | 732.9  |
| 42.5° | 675.7  | 691.4  | 710.3  | 729.1  | 734.1  | 739.1  | 732.4  | 725.8  | 712.4  | 699.1  | 688.6  |
| 45°   | 634.3  | 649.1  | 668.7  | 688.2  | 695.4  | 702.6  | 696.6  | 690.6  | 675.3  | 660.1  | 647.7  |
| 47.5° | 601.5  | 616.0  | 635.2  | 654.5  | 662.8  | 671.1  | 666.9  | 662.7  | 649.1  | 635.6  | 624.1  |
| 50°   | 577.0  | 590.7  | 607.9  | 625.2  | 635.8  | 646.5  | 646.3  | 646.1  | 635.2  | 624.4  | 613.8  |
| 52.5° | 560.3  | 572.9  | 588.9  | 605.0  | 617.7  | 630.3  | 632.6  | 634.9  | 626.0  | 617.2  | 607.7  |
| 55°   | 549.6  | 563.1  | 577.2  | 591.3  | 604.6  | 618.1  | 621.2  | 624.4  | 616.7  | 609.0  | 600.7  |
| 57.5° | 536.1  | 552.0  | 565.9  | 579.9  | 593.4  | 606.9  | 610.1  | 613.3  | 605.5  | 597.7  | 589.5  |
| 60°   | 517.1  | 535.4  | 549.5  | 563.7  | 577.3  | 590.8  | 594.3  | 597.8  | 590.2  | 582.6  | 574.2  |
| 62.5° | 490.1  | 511.4  | 526.5  | 541.6  | 554.0  | 566.5  | 569.8  | 573.2  | 566.3  | 559.5  | 550.5  |
| 65°   | 459.4  | 482.3  | 496.8  | 511.2  | 522.1  | 533.1  | 536.5  | 539.9  | 533.3  | 526.7  | 518.1  |
| 67.5° | 427.9  | 449.1  | 462.8  | 476.4  | 485.9  | 495.3  | 498.7  | 502.0  | 495.9  | 489.9  | 481.8  |
| 70°   | 395.7  | 414.3  | 426.1  | 437.9  | 446.5  | 455.0  | 458.2  | 461.5  | 456.5  | 451.6  | 443.9  |
| 72.5° | 356.5  | 371.1  | 381.7  | 392.4  | 400.8  | 409.1  | 413.0  | 416.8  | 412.7  | 408.6  | 401.3  |
| 75°   | 310.2  | 321.0  | 330.7  | 340.4  | 348.0  | 355.6  | 359.6  | 363.6  | 361.6  | 359.6  | 353.4  |
| 77.5° | 263.1  | 271.9  | 280.2  | 288.5  | 296.5  | 304.5  | 308.3  | 312.0  | 309.2  | 306.3  | 300.1  |
| 80°   | 210.3  | 217.6  | 224.6  | 231.6  | 237.7  | 243.8  | 248.8  | 253.7  | 252.5  | 251.3  | 243.0  |
| 82.5° | 152.1  | 151.5  | 149.0  | 146.6  | 159.5  | 172.5  | 180.9  | 189.4  | 188.9  | 188.3  | 181.3  |
| 85°   | 91.8   | 88.6   | 81.8   | 75.0   | 87.1   | 99.3   | 109.8  | 120.3  | 119.4  | 118.6  | 113.0  |
| 87.5° | 44.0   | 43.8   | 38.7   | 33.5   | 38.5   | 43.7   | 47.9   | 52.1   | 51.1   | 50.0   | 47.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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CATALOG NUMBER: GALN-SB2A-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 2.5°  | 1038.8 | 1035.1 | 1038.8 | 1041.8 | 1044.8 | 1048.0 | 1051.3 | 1055.4 | 1059.6 | 1064.7 | 1069.9 |
| 5°    | 973.0  | 969.9  | 973.0  | 976.1  | 979.2  | 983.2  | 987.3  | 993.0  | 998.8  | 1007.0 | 1015.2 |
| 7.5°  | 933.9  | 931.8  | 933.9  | 936.7  | 939.5  | 944.1  | 948.8  | 955.6  | 962.5  | 972.2  | 981.9  |
| 10°   | 923.6  | 922.7  | 923.6  | 926.0  | 928.3  | 932.8  | 937.2  | 944.9  | 952.5  | 964.2  | 975.8  |
| 12.5° | 940.5  | 940.2  | 940.5  | 942.5  | 944.5  | 949.4  | 954.4  | 964.2  | 974.1  | 988.9  | 1003.8 |
| 15°   | 971.0  | 970.8  | 971.0  | 973.6  | 976.2  | 983.1  | 989.9  | 1004.9 | 1019.9 | 1041.0 | 1062.2 |
| 17.5° | 997.1  | 996.6  | 997.1  | 1000.5 | 1003.8 | 1014.0 | 1024.2 | 1046.2 | 1068.2 | 1096.3 | 1124.3 |
| 20°   | 1010.6 | 1009.3 | 1010.6 | 1014.7 | 1018.9 | 1031.9 | 1044.9 | 1071.9 | 1099.0 | 1131.0 | 1163.1 |
| 22.5° | 1009.1 | 1007.1 | 1009.1 | 1013.7 | 1018.2 | 1032.0 | 1045.7 | 1073.5 | 1101.4 | 1132.0 | 1162.6 |
| 25°   | 992.1  | 989.6  | 992.1  | 996.4  | 1000.7 | 1012.6 | 1024.5 | 1049.2 | 1073.9 | 1099.0 | 1124.1 |
| 27.5° | 963.1  | 962.5  | 963.1  | 965.1  | 967.1  | 975.1  | 983.0  | 1002.2 | 1021.4 | 1039.3 | 1057.2 |
| 30°   | 923.7  | 924.4  | 923.7  | 923.7  | 923.7  | 927.9  | 931.9  | 945.8  | 959.5  | 973.1  | 986.7  |
| 32.5° | 876.1  | 876.7  | 876.1  | 875.7  | 875.3  | 878.0  | 880.7  | 891.6  | 902.6  | 915.2  | 927.7  |
| 35°   | 825.5  | 825.1  | 825.5  | 826.4  | 827.3  | 831.3  | 835.4  | 845.5  | 855.6  | 864.5  | 873.4  |
| 37.5° | 774.3  | 772.2  | 774.3  | 778.2  | 782.1  | 789.5  | 796.9  | 806.2  | 815.6  | 819.7  | 823.8  |
| 40°   | 725.7  | 721.4  | 725.7  | 732.9  | 740.1  | 750.8  | 761.6  | 769.5  | 777.4  | 776.4  | 775.4  |
| 42.5° | 678.0  | 671.1  | 678.0  | 688.6  | 699.1  | 712.4  | 725.8  | 732.4  | 739.1  | 734.1  | 729.1  |
| 45°   | 635.3  | 627.4  | 635.3  | 647.7  | 660.1  | 675.3  | 690.6  | 696.6  | 702.6  | 695.4  | 688.2  |
| 47.5° | 612.7  | 605.0  | 612.7  | 624.1  | 635.6  | 649.1  | 662.7  | 666.9  | 671.1  | 662.8  | 654.5  |
| 50°   | 603.2  | 595.9  | 603.2  | 613.8  | 624.4  | 635.2  | 646.1  | 646.3  | 646.5  | 635.8  | 625.2  |
| 52.5° | 598.3  | 591.5  | 598.3  | 607.7  | 617.2  | 626.0  | 634.9  | 632.6  | 630.3  | 617.7  | 605.0  |
| 55°   | 592.4  | 586.2  | 592.4  | 600.7  | 609.0  | 616.7  | 624.4  | 621.2  | 618.1  | 604.6  | 591.3  |
| 57.5° | 581.2  | 574.9  | 581.2  | 589.5  | 597.7  | 605.5  | 613.3  | 610.1  | 606.9  | 593.4  | 579.9  |
| 60°   | 565.7  | 559.1  | 565.7  | 574.2  | 582.6  | 590.2  | 597.8  | 594.3  | 590.8  | 577.3  | 563.7  |
| 62.5° | 541.6  | 533.7  | 541.6  | 550.5  | 559.5  | 566.3  | 573.2  | 569.8  | 566.5  | 554.0  | 541.6  |
| 65°   | 509.5  | 502.7  | 509.5  | 518.1  | 526.7  | 533.3  | 539.9  | 536.5  | 533.1  | 522.1  | 511.2  |
| 67.5° | 473.8  | 467.7  | 473.8  | 481.8  | 489.9  | 495.9  | 502.0  | 498.7  | 495.3  | 485.9  | 476.4  |
| 70°   | 436.2  | 429.2  | 436.2  | 443.9  | 451.6  | 456.5  | 461.5  | 458.2  | 455.0  | 446.5  | 437.9  |
| 72.5° | 394.0  | 387.2  | 394.0  | 401.3  | 408.6  | 412.7  | 416.8  | 413.0  | 409.1  | 400.8  | 392.4  |
| 75°   | 347.3  | 340.8  | 347.3  | 353.4  | 359.6  | 361.6  | 363.6  | 359.6  | 355.6  | 348.0  | 340.4  |
| 77.5° | 293.9  | 288.7  | 293.9  | 300.1  | 306.3  | 309.2  | 312.0  | 308.3  | 304.5  | 296.5  | 288.5  |
| 80°   | 234.6  | 224.9  | 234.6  | 243.0  | 251.3  | 252.5  | 253.7  | 248.8  | 243.8  | 237.7  | 231.6  |
| 82.5° | 174.2  | 168.0  | 174.2  | 181.3  | 188.3  | 188.9  | 189.4  | 180.9  | 172.5  | 159.5  | 146.6  |
| 85°   | 107.5  | 101.9  | 107.5  | 113.0  | 118.6  | 119.4  | 120.3  | 109.8  | 99.3   | 87.1   | 75.0   |
| 87.5° | 44.3   | 41.6   | 44.3   | 47.2   | 50.0   | 51.1   | 52.1   | 47.9   | 43.7   | 38.5   | 33.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 2.5°  | 1076.5 | 1083.1 | 1089.7 | 1096.3 | 1103.9 | 1111.4 | 1119.8 | 1128.2 | 1138.6 | 1147.9 | 1157.5 |
| 5°    | 1025.9 | 1036.5 | 1048.2 | 1059.9 | 1073.2 | 1086.5 | 1102.4 | 1118.2 | 1136.4 | 1154.7 | 1174.2 |
| 7.5°  | 994.9  | 1008.0 | 1022.8 | 1037.5 | 1055.0 | 1072.5 | 1093.5 | 1114.6 | 1138.1 | 1163.2 | 1190.4 |
| 10°   | 990.5  | 1005.1 | 1021.0 | 1036.9 | 1054.4 | 1071.9 | 1094.1 | 1116.4 | 1141.6 | 1172.5 | 1204.7 |
| 12.5° | 1018.9 | 1034.1 | 1046.5 | 1059.1 | 1070.6 | 1082.2 | 1100.4 | 1118.6 | 1142.1 | 1174.6 | 1210.9 |
| 15°   | 1075.4 | 1088.5 | 1091.8 | 1095.0 | 1093.4 | 1091.9 | 1100.5 | 1109.2 | 1128.1 | 1164.1 | 1206.1 |
| 17.5° | 1134.9 | 1145.6 | 1135.4 | 1125.3 | 1106.2 | 1087.1 | 1084.0 | 1080.8 | 1092.4 | 1134.7 | 1185.4 |
| 20°   | 1168.0 | 1172.9 | 1151.7 | 1130.5 | 1097.3 | 1064.2 | 1049.3 | 1034.4 | 1037.5 | 1086.8 | 1149.5 |
| 22.5° | 1159.7 | 1156.7 | 1129.1 | 1101.5 | 1063.6 | 1025.8 | 1003.8 | 981.8  | 975.8  | 1031.9 | 1107.5 |
| 25°   | 1114.0 | 1103.9 | 1076.7 | 1049.5 | 1015.5 | 981.5  | 956.1  | 930.7  | 914.6  | 972.1  | 1060.5 |
| 27.5° | 1045.8 | 1034.6 | 1012.8 | 991.0  | 963.1  | 935.1  | 910.6  | 886.1  | 866.4  | 918.8  | 1017.6 |
| 30°   | 977.6  | 968.4  | 950.3  | 932.2  | 909.0  | 885.8  | 866.3  | 846.9  | 831.4  | 875.4  | 981.8  |
| 32.5° | 917.4  | 907.3  | 889.9  | 872.6  | 854.0  | 835.5  | 824.0  | 812.5  | 805.6  | 841.1  | 950.8  |
| 35°   | 861.2  | 848.9  | 831.7  | 814.6  | 800.5  | 786.4  | 783.2  | 780.0  | 782.9  | 812.4  | 920.4  |
| 37.5° | 808.6  | 793.5  | 776.4  | 759.3  | 749.1  | 739.0  | 742.5  | 746.0  | 756.4  | 782.2  | 884.6  |
| 40°   | 758.0  | 740.6  | 724.0  | 707.5  | 700.2  | 692.9  | 700.8  | 708.7  | 724.7  | 748.1  | 841.9  |
| 42.5° | 710.3  | 691.4  | 675.7  | 660.1  | 654.1  | 648.1  | 658.6  | 669.1  | 689.3  | 710.8  | 794.8  |
| 45°   | 668.7  | 649.1  | 634.3  | 619.4  | 614.3  | 609.3  | 619.5  | 629.8  | 649.2  | 671.1  | 744.8  |
| 47.5° | 635.2  | 616.0  | 601.5  | 586.9  | 582.2  | 577.5  | 586.1  | 594.6  | 611.4  | 639.6  | 705.2  |
| 50°   | 607.9  | 590.7  | 577.0  | 563.3  | 555.9  | 548.5  | 556.1  | 563.7  | 583.2  | 620.3  | 678.9  |
| 52.5° | 588.9  | 572.9  | 560.3  | 547.7  | 536.7  | 525.6  | 533.1  | 540.6  | 567.9  | 610.5  | 661.6  |
| 55°   | 577.2  | 563.1  | 549.6  | 536.0  | 520.3  | 504.6  | 516.5  | 528.4  | 569.4  | 609.1  | 649.0  |
| 57.5° | 565.9  | 552.0  | 536.1  | 520.2  | 503.3  | 486.4  | 503.7  | 521.0  | 570.9  | 605.9  | 634.1  |
| 60°   | 549.5  | 535.4  | 517.1  | 498.8  | 484.0  | 469.2  | 491.7  | 514.1  | 566.1  | 589.2  | 611.4  |
| 62.5° | 526.5  | 511.4  | 490.1  | 468.8  | 459.4  | 450.0  | 478.0  | 506.1  | 554.3  | 557.1  | 571.8  |
| 65°   | 496.8  | 482.3  | 459.4  | 436.6  | 433.0  | 429.4  | 459.3  | 489.1  | 525.9  | 525.5  | 532.5  |
| 67.5° | 462.8  | 449.1  | 427.9  | 406.9  | 408.0  | 409.1  | 434.0  | 458.8  | 479.5  | 480.4  | 476.6  |
| 70°   | 426.1  | 414.3  | 395.7  | 377.2  | 381.1  | 385.1  | 402.7  | 420.4  | 427.2  | 427.2  | 409.2  |
| 72.5° | 381.7  | 371.1  | 356.5  | 341.9  | 347.6  | 353.4  | 365.5  | 377.6  | 377.5  | 373.3  | 347.8  |
| 75°   | 330.7  | 321.0  | 310.2  | 299.3  | 304.9  | 310.4  | 319.8  | 329.1  | 330.7  | 311.0  | 282.4  |
| 77.5° | 280.2  | 271.9  | 263.1  | 254.3  | 259.9  | 265.5  | 272.9  | 280.4  | 281.3  | 248.7  | 220.9  |
| 80°   | 224.6  | 217.6  | 210.3  | 203.0  | 207.7  | 212.4  | 218.7  | 225.0  | 225.1  | 186.1  | 162.7  |
| 82.5° | 149.0  | 151.5  | 152.1  | 152.7  | 156.0  | 159.3  | 162.4  | 165.5  | 163.6  | 130.4  | 113.0  |
| 85°   | 81.8   | 88.6   | 91.8   | 94.9   | 98.7   | 102.4  | 105.7  | 108.9  | 106.5  | 81.8   | 69.1   |
| 87.5° | 38.7   | 43.8   | 44.0   | 44.1   | 44.8   | 45.5   | 46.8   | 48.1   | 45.1   | 34.8   | 29.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 2.5°  | 1167.1 | 1177.2 | 1187.2 | 1197.2 | 1207.2 | 1216.6 | 1226.0 |
| 5°    | 1193.7 | 1214.5 | 1235.4 | 1256.1 | 1276.8 | 1297.6 | 1318.4 |
| 7.5°  | 1217.5 | 1248.4 | 1279.2 | 1310.9 | 1342.6 | 1376.8 | 1411.1 |
| 10°   | 1236.9 | 1274.3 | 1311.8 | 1353.6 | 1395.5 | 1438.8 | 1482.2 |
| 12.5° | 1247.3 | 1291.5 | 1335.6 | 1383.1 | 1430.5 | 1478.1 | 1525.7 |
| 15°   | 1248.2 | 1299.1 | 1350.0 | 1401.4 | 1452.9 | 1502.5 | 1552.2 |
| 17.5° | 1236.0 | 1295.0 | 1354.1 | 1410.2 | 1466.4 | 1516.7 | 1567.1 |
| 20°   | 1212.3 | 1283.8 | 1355.4 | 1417.1 | 1478.8 | 1531.2 | 1583.5 |
| 22.5° | 1183.0 | 1270.1 | 1357.2 | 1426.4 | 1495.5 | 1549.0 | 1602.5 |
| 25°   | 1149.1 | 1256.5 | 1364.1 | 1443.2 | 1522.2 | 1574.6 | 1627.0 |
| 27.5° | 1116.5 | 1247.5 | 1378.5 | 1469.4 | 1560.3 | 1610.3 | 1660.3 |
| 30°   | 1088.1 | 1243.2 | 1398.3 | 1503.4 | 1608.5 | 1656.8 | 1705.1 |
| 32.5° | 1060.5 | 1238.0 | 1415.3 | 1538.9 | 1662.4 | 1710.2 | 1758.0 |
| 35°   | 1028.4 | 1228.1 | 1427.9 | 1579.3 | 1730.8 | 1776.6 | 1822.3 |
| 37.5° | 987.1  | 1211.2 | 1435.3 | 1624.6 | 1813.9 | 1872.3 | 1930.6 |
| 40°   | 935.8  | 1187.9 | 1440.0 | 1682.1 | 1924.1 | 2009.2 | 2094.2 |
| 42.5° | 878.8  | 1163.8 | 1448.9 | 1757.3 | 2065.7 | 2188.5 | 2311.2 |
| 45°   | 818.4  | 1141.4 | 1464.5 | 1856.2 | 2248.0 | 2413.6 | 2579.2 |
| 47.5° | 770.8  | 1123.0 | 1475.2 | 1961.7 | 2448.2 | 2681.3 | 2914.3 |
| 50°   | 737.5  | 1102.9 | 1468.2 | 2059.5 | 2650.8 | 3002.2 | 3353.5 |
| 52.5° | 712.7  | 1068.9 | 1425.1 | 2123.0 | 2820.9 | 3339.3 | 3857.7 |
| 55°   | 689.0  | 1012.5 | 1336.1 | 2109.0 | 2881.9 | 3638.2 | 4394.5 |
| 57.5° | 662.4  | 933.1  | 1203.7 | 2010.5 | 2817.3 | 3850.0 | 4882.8 |
| 60°   | 633.6  | 829.9  | 1026.3 | 1827.2 | 2628.1 | 3903.0 | 5177.8 |
| 62.5° | 586.6  | 706.4  | 826.3  | 1579.2 | 2332.1 | 3680.1 | 5028.0 |
| 65°   | 539.4  | 595.4  | 651.3  | 1326.3 | 2001.3 | 3364.7 | 4728.1 |
| 67.5° | 472.7  | 488.6  | 504.5  | 1078.5 | 1652.5 | 2989.4 | 4326.3 |
| 70°   | 391.2  | 386.7  | 382.1  | 849.2  | 1316.2 | 2579.8 | 3843.5 |
| 72.5° | 322.2  | 308.5  | 294.8  | 649.2  | 1003.6 | 2135.9 | 3268.2 |
| 75°   | 253.7  | 241.3  | 228.9  | 471.2  | 713.4  | 1627.0 | 2540.5 |
| 77.5° | 193.1  | 184.7  | 176.2  | 319.3  | 462.3  | 1138.7 | 1815.1 |
| 80°   | 139.1  | 135.6  | 132.1  | 205.7  | 279.3  | 733.7  | 1188.0 |
| 82.5° | 95.7   | 95.0   | 94.4   | 126.5  | 158.7  | 424.6  | 690.6  |
| 85°   | 56.4   | 56.8   | 57.1   | 67.6   | 78.2   | 191.0  | 303.8  |
| 87.5° | 24.4   | 24.7   | 25.0   | 28.0   | 31.1   | 62.6   | 94.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)