

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: P946457

Luminaire Tested: **GALN-SB2A-835-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946457
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-835-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 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

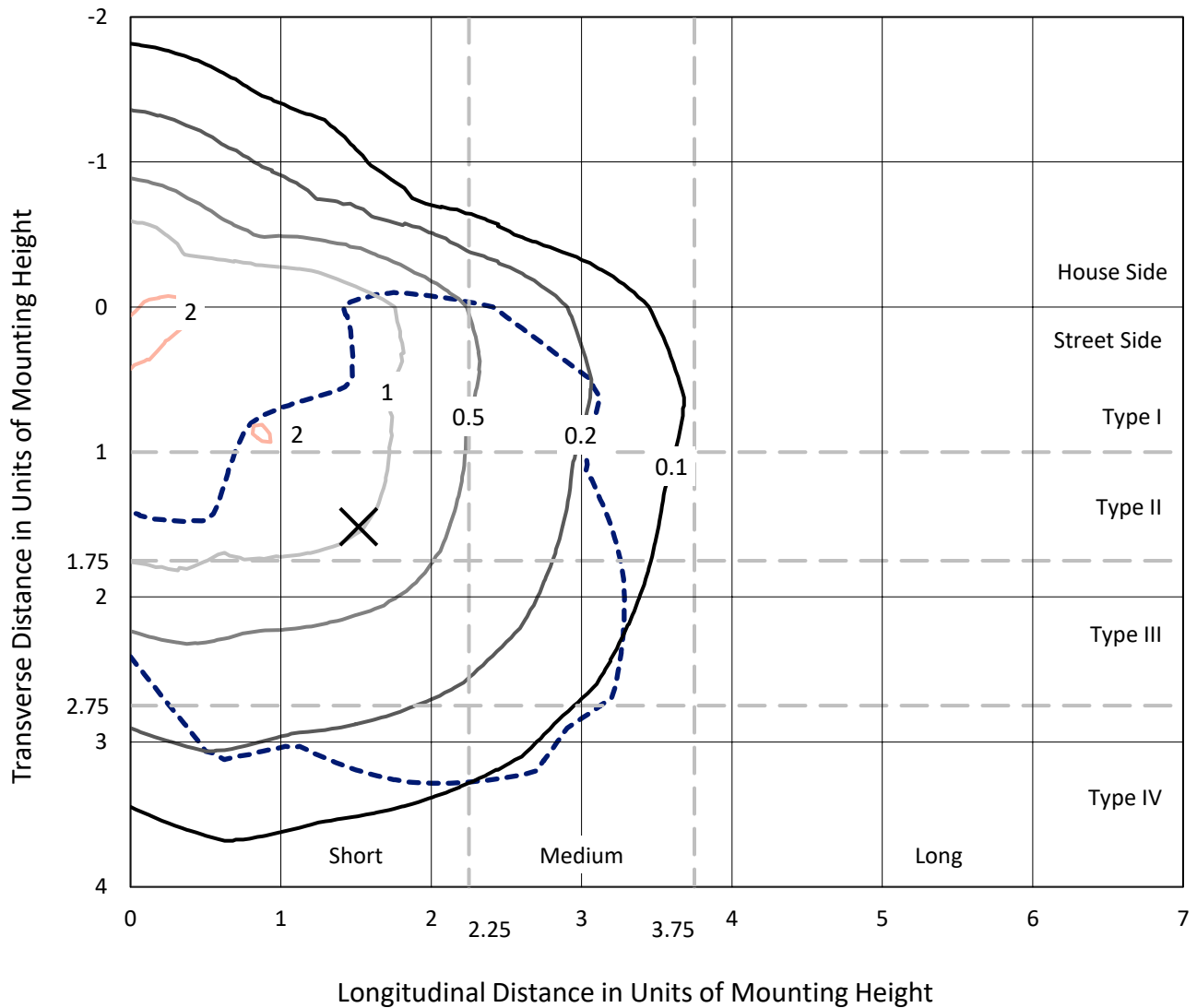
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P946457
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Iso-Footcandle Lines of Horizontal Illumination

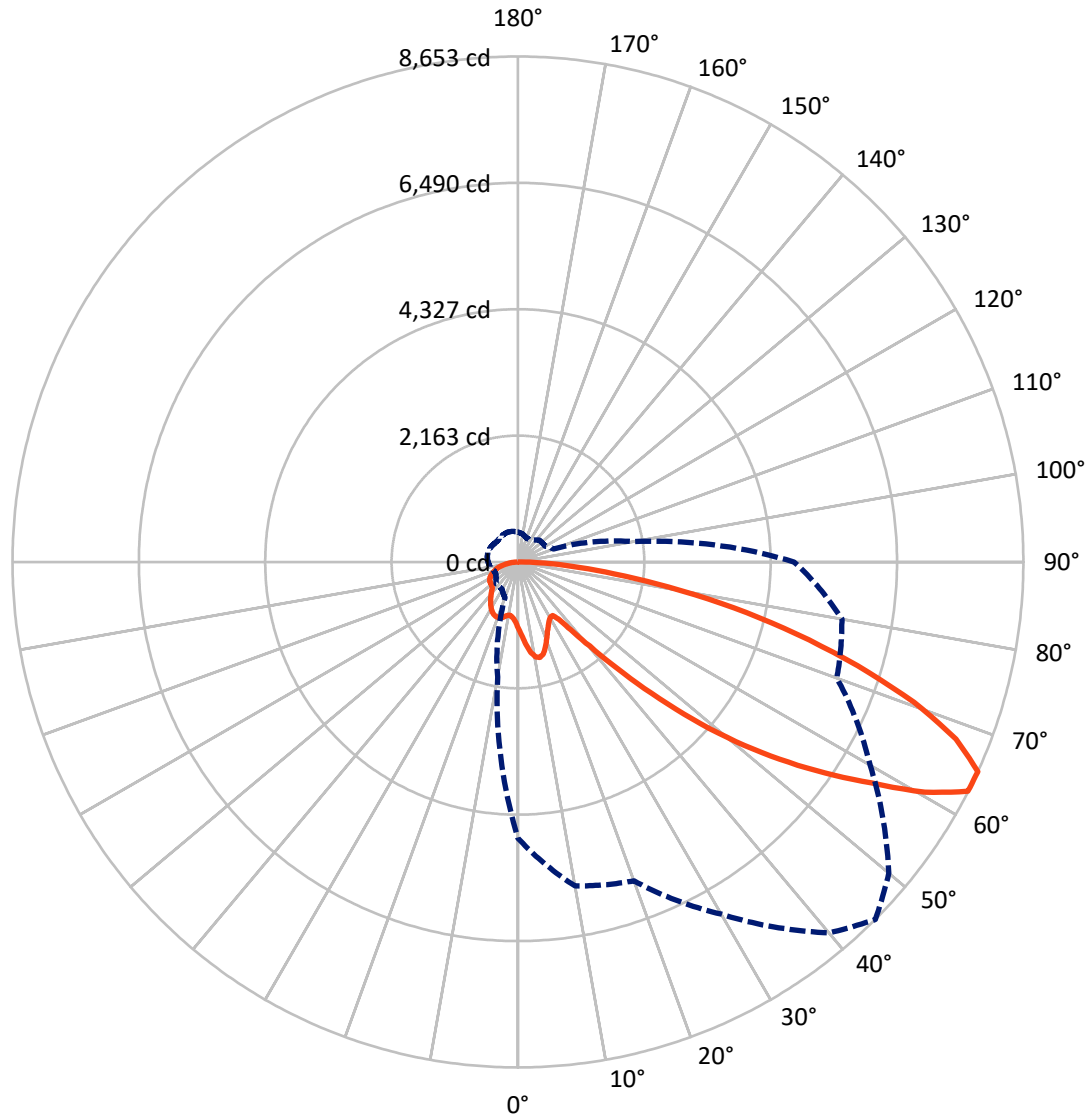
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2107.2 | 0.0 | 2107.2 |
| | % Fixture | 25.4 | 0.0 | 25.4 |
| Street Side | Lumens | 6183.8 | 0.0 | 6183.8 |
| | % Fixture | 74.6 | 0.0 | 74.6 |
| Total | 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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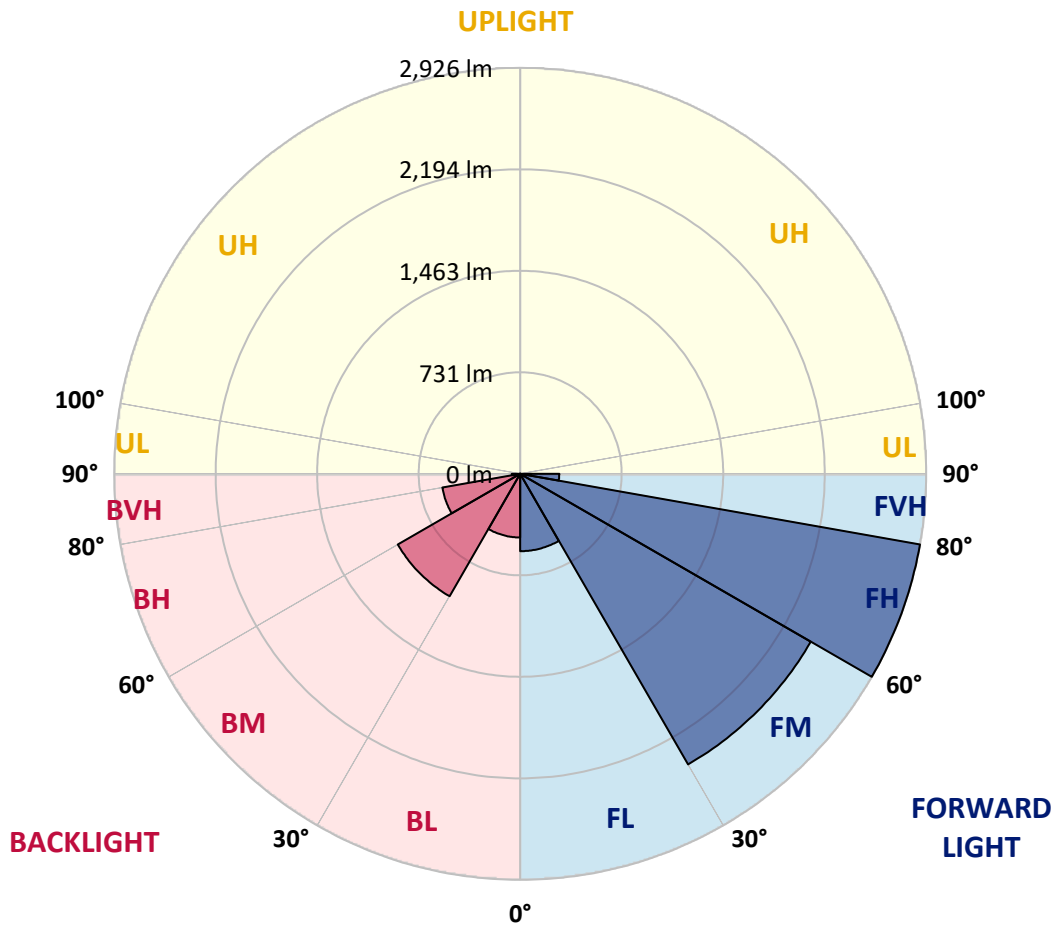
CATALOG NUMBER: GALN-SB2A-835-U-SLL

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



REPORT NUMBER: P946457

CATALOG NUMBER: GALN-SB2A-835-U-SLL

CANDELA DISTRIBUTION (FULL):

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

| 50° | | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1140.1 | 0° | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 1260.4 | 2.5° | 1258.4 | 1256.5 | 1252.5 | 1248.6 | 1242.0 | 1235.4 | 1230.7 | 1226.0 | 1216.6 | 1207.2 |
| 1411.2 | 5° | 1405.9 | 1400.6 | 1391.9 | 1383.1 | 1367.0 | 1350.9 | 1334.6 | 1318.4 | 1297.6 | 1276.8 |
| 1555.5 | 7.5° | 1547.8 | 1540.0 | 1525.7 | 1511.4 | 1487.7 | 1463.9 | 1437.5 | 1411.1 | 1376.8 | 1342.6 |
| 1649.1 | 10° | 1641.6 | 1634.1 | 1617.3 | 1600.4 | 1572.5 | 1544.7 | 1513.4 | 1482.2 | 1438.8 | 1395.5 |
| 1676.4 | 12.5° | 1672.3 | 1668.2 | 1656.0 | 1643.7 | 1618.6 | 1593.4 | 1559.6 | 1525.7 | 1478.1 | 1430.5 |
| 1634.4 | 15° | 1638.7 | 1643.1 | 1642.7 | 1642.2 | 1626.4 | 1610.6 | 1581.4 | 1552.2 | 1502.5 | 1452.9 |
| 1539.2 | 17.5° | 1555.4 | 1571.7 | 1589.4 | 1607.1 | 1606.8 | 1606.5 | 1586.8 | 1567.1 | 1516.7 | 1466.4 |
| 1420.5 | 20° | 1449.0 | 1477.5 | 1516.6 | 1555.7 | 1576.5 | 1597.3 | 1590.3 | 1583.5 | 1531.2 | 1478.8 |
| 1312.1 | 22.5° | 1347.7 | 1383.3 | 1440.9 | 1498.4 | 1541.4 | 1584.5 | 1593.5 | 1602.5 | 1549.0 | 1495.5 |
| 1224.9 | 25° | 1262.2 | 1299.7 | 1369.5 | 1439.4 | 1504.8 | 1570.1 | 1598.6 | 1627.0 | 1574.6 | 1522.2 |
| 1156.9 | 27.5° | 1193.7 | 1230.6 | 1308.0 | 1385.4 | 1472.0 | 1558.5 | 1609.4 | 1660.3 | 1610.3 | 1560.3 |
| 1110.7 | 30° | 1144.9 | 1179.0 | 1259.7 | 1340.4 | 1446.9 | 1553.5 | 1629.3 | 1705.1 | 1656.8 | 1608.5 |
| 1104.0 | 32.5° | 1130.9 | 1157.7 | 1233.5 | 1309.3 | 1429.9 | 1550.4 | 1654.2 | 1758.0 | 1710.2 | 1662.4 |
| 1199.2 | 35° | 1205.5 | 1211.7 | 1264.4 | 1317.0 | 1442.6 | 1568.3 | 1695.3 | 1822.3 | 1776.6 | 1730.8 |
| 1453.8 | 37.5° | 1425.1 | 1396.5 | 1399.9 | 1403.4 | 1517.5 | 1631.7 | 1781.2 | 1930.6 | 1872.3 | 1813.9 |
| 1858.3 | 40° | 1788.8 | 1719.2 | 1659.3 | 1599.4 | 1684.3 | 1769.2 | 1931.7 | 2094.2 | 2009.2 | 1924.1 |
| 2405.4 | 42.5° | 2278.9 | 2152.3 | 2021.6 | 1890.9 | 1939.8 | 1988.7 | 2150.0 | 2311.2 | 2188.5 | 2065.7 |
| 3081.0 | 45° | 2873.0 | 2665.2 | 2455.7 | 2246.3 | 2267.9 | 2289.4 | 2434.3 | 2579.2 | 2413.6 | 2248.0 |
| 3836.5 | 47.5° | 3532.2 | 3227.8 | 2925.8 | 2623.7 | 2628.1 | 2632.4 | 2773.4 | 2914.3 | 2681.3 | 2448.2 |
| 4589.1 | 50° | 4187.4 | 3785.6 | 3396.3 | 3006.9 | 3006.2 | 3005.4 | 3179.5 | 3353.5 | 3002.2 | 2650.8 |
| 5317.8 | 52.5° | 4820.8 | 4323.7 | 3858.7 | 3393.6 | 3414.9 | 3436.2 | 3647.0 | 3857.7 | 3339.3 | 2820.9 |
| 6032.3 | 55° | 5439.7 | 4847.1 | 4329.5 | 3811.9 | 3895.0 | 3978.0 | 4186.3 | 4394.5 | 3638.2 | 2881.9 |
| 6710.4 | 57.5° | 6039.2 | 5368.0 | 4845.4 | 4322.7 | 4489.3 | 4655.9 | 4769.4 | 4882.8 | 3850.0 | 2817.3 |
| 7542.8 | 60° | 6824.1 | 6105.5 | 5610.9 | 5116.3 | 5323.2 | 5530.2 | 5354.0 | 5177.8 | 3903.0 | 2628.1 |
| 8217.5 | 62.5° | 7533.8 | 6850.1 | 6397.0 | 5943.9 | 5967.2 | 5990.6 | 5509.3 | 5028.0 | 3680.1 | 2332.1 |
| 8287.8 | 65° | 7624.9 | 6961.9 | 6386.0 | 5810.2 | 5720.9 | 5631.5 | 5179.8 | 4728.1 | 3364.7 | 2001.3 |
| 7800.8 | 67.5° | 7135.0 | 6469.2 | 5869.2 | 5269.3 | 5227.4 | 5185.5 | 4755.9 | 4326.3 | 2989.4 | 1652.5 |
| 7034.5 | 70° | 6461.6 | 5888.6 | 5352.1 | 4815.6 | 4796.8 | 4778.1 | 4310.8 | 3843.5 | 2579.8 | 1316.2 |
| 6065.4 | 72.5° | 5636.3 | 5207.2 | 4787.4 | 4367.6 | 4354.2 | 4340.7 | 3804.5 | 3268.2 | 2135.9 | 1003.6 |
| 5007.4 | 75° | 4705.4 | 4403.3 | 4076.7 | 3750.1 | 3700.3 | 3650.5 | 3095.5 | 2540.5 | 1627.0 | 713.4 |
| 3919.0 | 77.5° | 3704.7 | 3490.5 | 3242.2 | 2993.9 | 2922.6 | 2851.3 | 2333.2 | 1815.1 | 1138.7 | 462.3 |
| 2836.9 | 80° | 2724.4 | 2611.9 | 2424.5 | 2236.9 | 2148.3 | 2059.7 | 1623.9 | 1188.0 | 733.7 | 279.3 |
| 1836.6 | 82.5° | 1789.7 | 1742.7 | 1613.7 | 1484.6 | 1385.6 | 1286.6 | 988.5 | 690.6 | 424.6 | 158.7 |
| 1053.9 | 85° | 1027.3 | 1000.6 | 894.6 | 788.6 | 704.3 | 620.1 | 462.0 | 303.8 | 191.0 | 78.2 |
| 404.9 | 87.5° | 402.7 | 400.4 | 347.4 | 294.3 | 247.4 | 200.4 | 147.2 | 94.1 | 62.6 | 31.1 |
| 0.0 | 90° | 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):

| 105° | | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1140.1 | 0° | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 1197.2 | 2.5° | 1187.2 | 1177.2 | 1167.1 | 1157.5 | 1147.9 | 1138.6 | 1128.2 | 1119.8 | 1111.4 | 1103.9 |
| 1256.1 | 5° | 1235.4 | 1214.5 | 1193.7 | 1174.2 | 1154.7 | 1136.4 | 1118.2 | 1102.4 | 1086.5 | 1073.2 |
| 1310.9 | 7.5° | 1279.2 | 1248.4 | 1217.5 | 1190.4 | 1163.2 | 1138.1 | 1114.6 | 1093.5 | 1072.5 | 1055.0 |
| 1353.6 | 10° | 1311.8 | 1274.3 | 1236.9 | 1204.7 | 1172.5 | 1141.6 | 1116.4 | 1094.1 | 1071.9 | 1054.4 |
| 1383.1 | 12.5° | 1335.6 | 1291.5 | 1247.3 | 1210.9 | 1174.6 | 1142.1 | 1118.6 | 1100.4 | 1082.2 | 1070.6 |
| 1401.4 | 15° | 1350.0 | 1299.1 | 1248.2 | 1206.1 | 1164.1 | 1128.1 | 1109.2 | 1100.5 | 1091.9 | 1093.4 |
| 1410.2 | 17.5° | 1354.1 | 1295.0 | 1236.0 | 1185.4 | 1134.7 | 1092.4 | 1080.8 | 1084.0 | 1087.1 | 1106.2 |
| 1417.1 | 20° | 1355.4 | 1283.8 | 1212.3 | 1149.5 | 1086.8 | 1037.5 | 1034.4 | 1049.3 | 1064.2 | 1097.3 |
| 1426.4 | 22.5° | 1357.2 | 1270.1 | 1183.0 | 1107.5 | 1031.9 | 975.8 | 981.8 | 1003.8 | 1025.8 | 1063.6 |
| 1443.2 | 25° | 1364.1 | 1256.5 | 1149.1 | 1060.5 | 972.1 | 914.6 | 930.7 | 956.1 | 981.5 | 1015.5 |
| 1469.4 | 27.5° | 1378.5 | 1247.5 | 1116.5 | 1017.6 | 918.8 | 866.4 | 886.1 | 910.6 | 935.1 | 963.1 |
| 1503.4 | 30° | 1398.3 | 1243.2 | 1088.1 | 981.8 | 875.4 | 831.4 | 846.9 | 866.3 | 885.8 | 909.0 |
| 1538.9 | 32.5° | 1415.3 | 1238.0 | 1060.5 | 950.8 | 841.1 | 805.6 | 812.5 | 824.0 | 835.5 | 854.0 |
| 1579.3 | 35° | 1427.9 | 1228.1 | 1028.4 | 920.4 | 812.4 | 782.9 | 780.0 | 783.2 | 786.4 | 800.5 |
| 1624.6 | 37.5° | 1435.3 | 1211.2 | 987.1 | 884.6 | 782.2 | 756.4 | 746.0 | 742.5 | 739.0 | 749.1 |
| 1682.1 | 40° | 1440.0 | 1187.9 | 935.8 | 841.9 | 748.1 | 724.7 | 708.7 | 700.8 | 692.9 | 700.2 |
| 1757.3 | 42.5° | 1448.9 | 1163.8 | 878.8 | 794.8 | 710.8 | 689.3 | 669.1 | 658.6 | 648.1 | 654.1 |
| 1856.2 | 45° | 1464.5 | 1141.4 | 818.4 | 744.8 | 671.1 | 649.2 | 629.8 | 619.5 | 609.3 | 614.3 |
| 1961.7 | 47.5° | 1475.2 | 1123.0 | 770.8 | 705.2 | 639.6 | 611.4 | 594.6 | 586.1 | 577.5 | 582.2 |
| 2059.5 | 50° | 1468.2 | 1102.9 | 737.5 | 678.9 | 620.3 | 583.2 | 563.7 | 556.1 | 548.5 | 555.9 |
| 2123.0 | 52.5° | 1425.1 | 1068.9 | 712.7 | 661.6 | 610.5 | 567.9 | 540.6 | 533.1 | 525.6 | 536.7 |
| 2109.0 | 55° | 1336.1 | 1012.5 | 689.0 | 649.0 | 609.1 | 569.4 | 528.4 | 516.5 | 504.6 | 520.3 |
| 2010.5 | 57.5° | 1203.7 | 933.1 | 662.4 | 634.1 | 605.9 | 570.9 | 521.0 | 503.7 | 486.4 | 503.3 |
| 1827.2 | 60° | 1026.3 | 829.9 | 633.6 | 611.4 | 589.2 | 566.1 | 514.1 | 491.7 | 469.2 | 484.0 |
| 1579.2 | 62.5° | 826.3 | 706.4 | 586.6 | 571.8 | 557.1 | 554.3 | 506.1 | 478.0 | 450.0 | 459.4 |
| 1326.3 | 65° | 651.3 | 595.4 | 539.4 | 532.5 | 525.5 | 525.9 | 489.1 | 459.3 | 429.4 | 433.0 |
| 1078.5 | 67.5° | 504.5 | 488.6 | 472.7 | 476.6 | 480.4 | 479.5 | 458.8 | 434.0 | 409.1 | 408.0 |
| 849.2 | 70° | 382.1 | 386.7 | 391.2 | 409.2 | 427.2 | 427.2 | 420.4 | 402.7 | 385.1 | 381.1 |
| 649.2 | 72.5° | 294.8 | 308.5 | 322.2 | 347.8 | 373.3 | 377.5 | 377.6 | 365.5 | 353.4 | 347.6 |
| 471.2 | 75° | 228.9 | 241.3 | 253.7 | 282.4 | 311.0 | 330.7 | 329.1 | 319.8 | 310.4 | 304.9 |
| 319.3 | 77.5° | 176.2 | 184.7 | 193.1 | 220.9 | 248.7 | 281.3 | 280.4 | 272.9 | 265.5 | 259.9 |
| 205.7 | 80° | 132.1 | 135.6 | 139.1 | 162.7 | 186.1 | 225.1 | 225.0 | 218.7 | 212.4 | 207.7 |
| 126.5 | 82.5° | 94.4 | 95.0 | 95.7 | 113.0 | 130.4 | 163.6 | 165.5 | 162.4 | 159.3 | 156.0 |
| 67.6 | 85° | 57.1 | 56.8 | 56.4 | 69.1 | 81.8 | 106.5 | 108.9 | 105.7 | 102.4 | 98.7 |
| 28.0 | 87.5° | 25.0 | 24.7 | 24.4 | 29.6 | 34.8 | 45.1 | 48.1 | 46.8 | 45.5 | 44.8 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P946457
 CATALOG NUMBER: GALN-SB2A-835-U-SLL

CANDELA DISTRIBUTION (continued):

| 160° | | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1140.1 | 0° | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 1096.3 | 2.5° | 1089.7 | 1083.1 | 1076.5 | 1069.9 | 1064.7 | 1059.6 | 1055.4 | 1051.3 | 1048.0 | 1044.8 |
| 1059.9 | 5° | 1048.2 | 1036.5 | 1025.9 | 1015.2 | 1007.0 | 998.8 | 993.0 | 987.3 | 983.2 | 979.2 |
| 1037.5 | 7.5° | 1022.8 | 1008.0 | 994.9 | 981.9 | 972.2 | 962.5 | 955.6 | 948.8 | 944.1 | 939.5 |
| 1036.9 | 10° | 1021.0 | 1005.1 | 990.5 | 975.8 | 964.2 | 952.5 | 944.9 | 937.2 | 932.8 | 928.3 |
| 1059.1 | 12.5° | 1046.5 | 1034.1 | 1018.9 | 1003.8 | 988.9 | 974.1 | 964.2 | 954.4 | 949.4 | 944.5 |
| 1095.0 | 15° | 1091.8 | 1088.5 | 1075.4 | 1062.2 | 1041.0 | 1019.9 | 1004.9 | 989.9 | 983.1 | 976.2 |
| 1125.3 | 17.5° | 1135.4 | 1145.6 | 1134.9 | 1124.3 | 1096.3 | 1068.2 | 1046.2 | 1024.2 | 1014.0 | 1003.8 |
| 1130.5 | 20° | 1151.7 | 1172.9 | 1168.0 | 1163.1 | 1131.0 | 1099.0 | 1071.9 | 1044.9 | 1031.9 | 1018.9 |
| 1101.5 | 22.5° | 1129.1 | 1156.7 | 1159.7 | 1162.6 | 1132.0 | 1101.4 | 1073.5 | 1045.7 | 1032.0 | 1018.2 |
| 1049.5 | 25° | 1076.7 | 1103.9 | 1114.0 | 1124.1 | 1099.0 | 1073.9 | 1049.2 | 1024.5 | 1012.6 | 1000.7 |
| 991.0 | 27.5° | 1012.8 | 1034.6 | 1045.8 | 1057.2 | 1039.3 | 1021.4 | 1002.2 | 983.0 | 975.1 | 967.1 |
| 932.2 | 30° | 950.3 | 968.4 | 977.6 | 986.7 | 973.1 | 959.5 | 945.8 | 931.9 | 927.9 | 923.7 |
| 872.6 | 32.5° | 889.9 | 907.3 | 917.4 | 927.7 | 915.2 | 902.6 | 891.6 | 880.7 | 878.0 | 875.3 |
| 814.6 | 35° | 831.7 | 848.9 | 861.2 | 873.4 | 864.5 | 855.6 | 845.5 | 835.4 | 831.3 | 827.3 |
| 759.3 | 37.5° | 776.4 | 793.5 | 808.6 | 823.8 | 819.7 | 815.6 | 806.2 | 796.9 | 789.5 | 782.1 |
| 707.5 | 40° | 724.0 | 740.6 | 758.0 | 775.4 | 776.4 | 777.4 | 769.5 | 761.6 | 750.8 | 740.1 |
| 660.1 | 42.5° | 675.7 | 691.4 | 710.3 | 729.1 | 734.1 | 739.1 | 732.4 | 725.8 | 712.4 | 699.1 |
| 619.4 | 45° | 634.3 | 649.1 | 668.7 | 688.2 | 695.4 | 702.6 | 696.6 | 690.6 | 675.3 | 660.1 |
| 586.9 | 47.5° | 601.5 | 616.0 | 635.2 | 654.5 | 662.8 | 671.1 | 666.9 | 662.7 | 649.1 | 635.6 |
| 563.3 | 50° | 577.0 | 590.7 | 607.9 | 625.2 | 635.8 | 646.5 | 646.3 | 646.1 | 635.2 | 624.4 |
| 547.7 | 52.5° | 560.3 | 572.9 | 588.9 | 605.0 | 617.7 | 630.3 | 632.6 | 634.9 | 626.0 | 617.2 |
| 536.0 | 55° | 549.6 | 563.1 | 577.2 | 591.3 | 604.6 | 618.1 | 621.2 | 624.4 | 616.7 | 609.0 |
| 520.2 | 57.5° | 536.1 | 552.0 | 565.9 | 579.9 | 593.4 | 606.9 | 610.1 | 613.3 | 605.5 | 597.7 |
| 498.8 | 60° | 517.1 | 535.4 | 549.5 | 563.7 | 577.3 | 590.8 | 594.3 | 597.8 | 590.2 | 582.6 |
| 468.8 | 62.5° | 490.1 | 511.4 | 526.5 | 541.6 | 554.0 | 566.5 | 569.8 | 573.2 | 566.3 | 559.5 |
| 436.6 | 65° | 459.4 | 482.3 | 496.8 | 511.2 | 522.1 | 533.1 | 536.5 | 539.9 | 533.3 | 526.7 |
| 406.9 | 67.5° | 427.9 | 449.1 | 462.8 | 476.4 | 485.9 | 495.3 | 498.7 | 502.0 | 495.9 | 489.9 |
| 377.2 | 70° | 395.7 | 414.3 | 426.1 | 437.9 | 446.5 | 455.0 | 458.2 | 461.5 | 456.5 | 451.6 |
| 341.9 | 72.5° | 356.5 | 371.1 | 381.7 | 392.4 | 400.8 | 409.1 | 413.0 | 416.8 | 412.7 | 408.6 |
| 299.3 | 75° | 310.2 | 321.0 | 330.7 | 340.4 | 348.0 | 355.6 | 359.6 | 363.6 | 361.6 | 359.6 |
| 254.3 | 77.5° | 263.1 | 271.9 | 280.2 | 288.5 | 296.5 | 304.5 | 308.3 | 312.0 | 309.2 | 306.3 |
| 203.0 | 80° | 210.3 | 217.6 | 224.6 | 231.6 | 237.7 | 243.8 | 248.8 | 253.7 | 252.5 | 251.3 |
| 152.7 | 82.5° | 152.1 | 151.5 | 149.0 | 146.6 | 159.5 | 172.5 | 180.9 | 189.4 | 188.9 | 188.3 |
| 94.9 | 85° | 91.8 | 88.6 | 81.8 | 75.0 | 87.1 | 99.3 | 109.8 | 120.3 | 119.4 | 118.6 |
| 44.1 | 87.5° | 44.0 | 43.8 | 38.7 | 33.5 | 38.5 | 43.7 | 47.9 | 52.1 | 51.1 | 50.0 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P946457
 CATALOG NUMBER: GALN-SB2A-835-U-SLL

CANDELA DISTRIBUTION (continued):

| 215° | | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1140.1 | 0° | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 1041.8 | 2.5° | 1038.8 | 1035.1 | 1038.8 | 1041.8 | 1044.8 | 1048.0 | 1051.3 | 1055.4 | 1059.6 | 1064.7 |
| 976.1 | 5° | 973.0 | 969.9 | 973.0 | 976.1 | 979.2 | 983.2 | 987.3 | 993.0 | 998.8 | 1007.0 |
| 936.7 | 7.5° | 933.9 | 931.8 | 933.9 | 936.7 | 939.5 | 944.1 | 948.8 | 955.6 | 962.5 | 972.2 |
| 926.0 | 10° | 923.6 | 922.7 | 923.6 | 926.0 | 928.3 | 932.8 | 937.2 | 944.9 | 952.5 | 964.2 |
| 942.5 | 12.5° | 940.5 | 940.2 | 940.5 | 942.5 | 944.5 | 949.4 | 954.4 | 964.2 | 974.1 | 988.9 |
| 973.6 | 15° | 971.0 | 970.8 | 971.0 | 973.6 | 976.2 | 983.1 | 989.9 | 1004.9 | 1019.9 | 1041.0 |
| 1000.5 | 17.5° | 997.1 | 996.6 | 997.1 | 1000.5 | 1003.8 | 1014.0 | 1024.2 | 1046.2 | 1068.2 | 1096.3 |
| 1014.7 | 20° | 1010.6 | 1009.3 | 1010.6 | 1014.7 | 1018.9 | 1031.9 | 1044.9 | 1071.9 | 1099.0 | 1131.0 |
| 1013.7 | 22.5° | 1009.1 | 1007.1 | 1009.1 | 1013.7 | 1018.2 | 1032.0 | 1045.7 | 1073.5 | 1101.4 | 1132.0 |
| 996.4 | 25° | 992.1 | 989.6 | 992.1 | 996.4 | 1000.7 | 1012.6 | 1024.5 | 1049.2 | 1073.9 | 1099.0 |
| 965.1 | 27.5° | 963.1 | 962.5 | 963.1 | 965.1 | 967.1 | 975.1 | 983.0 | 1002.2 | 1021.4 | 1039.3 |
| 923.7 | 30° | 923.7 | 924.4 | 923.7 | 923.7 | 923.7 | 927.9 | 931.9 | 945.8 | 959.5 | 973.1 |
| 875.7 | 32.5° | 876.1 | 876.7 | 876.1 | 875.7 | 875.3 | 878.0 | 880.7 | 891.6 | 902.6 | 915.2 |
| 826.4 | 35° | 825.5 | 825.1 | 825.5 | 826.4 | 827.3 | 831.3 | 835.4 | 845.5 | 855.6 | 864.5 |
| 778.2 | 37.5° | 774.3 | 772.2 | 774.3 | 778.2 | 782.1 | 789.5 | 796.9 | 806.2 | 815.6 | 819.7 |
| 732.9 | 40° | 725.7 | 721.4 | 725.7 | 732.9 | 740.1 | 750.8 | 761.6 | 769.5 | 777.4 | 776.4 |
| 688.6 | 42.5° | 678.0 | 671.1 | 678.0 | 688.6 | 699.1 | 712.4 | 725.8 | 732.4 | 739.1 | 734.1 |
| 647.7 | 45° | 635.3 | 627.4 | 635.3 | 647.7 | 660.1 | 675.3 | 690.6 | 696.6 | 702.6 | 695.4 |
| 624.1 | 47.5° | 612.7 | 605.0 | 612.7 | 624.1 | 635.6 | 649.1 | 662.7 | 666.9 | 671.1 | 662.8 |
| 613.8 | 50° | 603.2 | 595.9 | 603.2 | 613.8 | 624.4 | 635.2 | 646.1 | 646.3 | 646.5 | 635.8 |
| 607.7 | 52.5° | 598.3 | 591.5 | 598.3 | 607.7 | 617.2 | 626.0 | 634.9 | 632.6 | 630.3 | 617.7 |
| 600.7 | 55° | 592.4 | 586.2 | 592.4 | 600.7 | 609.0 | 616.7 | 624.4 | 621.2 | 618.1 | 604.6 |
| 589.5 | 57.5° | 581.2 | 574.9 | 581.2 | 589.5 | 597.7 | 605.5 | 613.3 | 610.1 | 606.9 | 593.4 |
| 574.2 | 60° | 565.7 | 559.1 | 565.7 | 574.2 | 582.6 | 590.2 | 597.8 | 594.3 | 590.8 | 577.3 |
| 550.5 | 62.5° | 541.6 | 533.7 | 541.6 | 550.5 | 559.5 | 566.3 | 573.2 | 569.8 | 566.5 | 554.0 |
| 518.1 | 65° | 509.5 | 502.7 | 509.5 | 518.1 | 526.7 | 533.3 | 539.9 | 536.5 | 533.1 | 522.1 |
| 481.8 | 67.5° | 473.8 | 467.7 | 473.8 | 481.8 | 489.9 | 495.9 | 502.0 | 498.7 | 495.3 | 485.9 |
| 443.9 | 70° | 436.2 | 429.2 | 436.2 | 443.9 | 451.6 | 456.5 | 461.5 | 458.2 | 455.0 | 446.5 |
| 401.3 | 72.5° | 394.0 | 387.2 | 394.0 | 401.3 | 408.6 | 412.7 | 416.8 | 413.0 | 409.1 | 400.8 |
| 353.4 | 75° | 347.3 | 340.8 | 347.3 | 353.4 | 359.6 | 361.6 | 363.6 | 359.6 | 355.6 | 348.0 |
| 300.1 | 77.5° | 293.9 | 288.7 | 293.9 | 300.1 | 306.3 | 309.2 | 312.0 | 308.3 | 304.5 | 296.5 |
| 243.0 | 80° | 234.6 | 224.9 | 234.6 | 243.0 | 251.3 | 252.5 | 253.7 | 248.8 | 243.8 | 237.7 |
| 181.3 | 82.5° | 174.2 | 168.0 | 174.2 | 181.3 | 188.3 | 188.9 | 189.4 | 180.9 | 172.5 | 159.5 |
| 113.0 | 85° | 107.5 | 101.9 | 107.5 | 113.0 | 118.6 | 119.4 | 120.3 | 109.8 | 99.3 | 87.1 |
| 47.2 | 87.5° | 44.3 | 41.6 | 44.3 | 47.2 | 50.0 | 51.1 | 52.1 | 47.9 | 43.7 | 38.5 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P946457
 CATALOG NUMBER: GALN-SB2A-835-U-SLL

CANDELA DISTRIBUTION (continued):

| 270° | | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1140.1 | 0° | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 1069.9 | 2.5° | 1076.5 | 1083.1 | 1089.7 | 1096.3 | 1103.9 | 1111.4 | 1119.8 | 1128.2 | 1138.6 | 1147.9 |
| 1015.2 | 5° | 1025.9 | 1036.5 | 1048.2 | 1059.9 | 1073.2 | 1086.5 | 1102.4 | 1118.2 | 1136.4 | 1154.7 |
| 981.9 | 7.5° | 994.9 | 1008.0 | 1022.8 | 1037.5 | 1055.0 | 1072.5 | 1093.5 | 1114.6 | 1138.1 | 1163.2 |
| 975.8 | 10° | 990.5 | 1005.1 | 1021.0 | 1036.9 | 1054.4 | 1071.9 | 1094.1 | 1116.4 | 1141.6 | 1172.5 |
| 1003.8 | 12.5° | 1018.9 | 1034.1 | 1046.5 | 1059.1 | 1070.6 | 1082.2 | 1100.4 | 1118.6 | 1142.1 | 1174.6 |
| 1062.2 | 15° | 1075.4 | 1088.5 | 1091.8 | 1095.0 | 1093.4 | 1091.9 | 1100.5 | 1109.2 | 1128.1 | 1164.1 |
| 1124.3 | 17.5° | 1134.9 | 1145.6 | 1135.4 | 1125.3 | 1106.2 | 1087.1 | 1084.0 | 1080.8 | 1092.4 | 1134.7 |
| 1163.1 | 20° | 1168.0 | 1172.9 | 1151.7 | 1130.5 | 1097.3 | 1064.2 | 1049.3 | 1034.4 | 1037.5 | 1086.8 |
| 1162.6 | 22.5° | 1159.7 | 1156.7 | 1129.1 | 1101.5 | 1063.6 | 1025.8 | 1003.8 | 981.8 | 975.8 | 1031.9 |
| 1124.1 | 25° | 1114.0 | 1103.9 | 1076.7 | 1049.5 | 1015.5 | 981.5 | 956.1 | 930.7 | 914.6 | 972.1 |
| 1057.2 | 27.5° | 1045.8 | 1034.6 | 1012.8 | 991.0 | 963.1 | 935.1 | 910.6 | 886.1 | 866.4 | 918.8 |
| 986.7 | 30° | 977.6 | 968.4 | 950.3 | 932.2 | 909.0 | 885.8 | 866.3 | 846.9 | 831.4 | 875.4 |
| 927.7 | 32.5° | 917.4 | 907.3 | 889.9 | 872.6 | 854.0 | 835.5 | 824.0 | 812.5 | 805.6 | 841.1 |
| 873.4 | 35° | 861.2 | 848.9 | 831.7 | 814.6 | 800.5 | 786.4 | 783.2 | 780.0 | 782.9 | 812.4 |
| 823.8 | 37.5° | 808.6 | 793.5 | 776.4 | 759.3 | 749.1 | 739.0 | 742.5 | 746.0 | 756.4 | 782.2 |
| 775.4 | 40° | 758.0 | 740.6 | 724.0 | 707.5 | 700.2 | 692.9 | 700.8 | 708.7 | 724.7 | 748.1 |
| 729.1 | 42.5° | 710.3 | 691.4 | 675.7 | 660.1 | 654.1 | 648.1 | 658.6 | 669.1 | 689.3 | 710.8 |
| 688.2 | 45° | 668.7 | 649.1 | 634.3 | 619.4 | 614.3 | 609.3 | 619.5 | 629.8 | 649.2 | 671.1 |
| 654.5 | 47.5° | 635.2 | 616.0 | 601.5 | 586.9 | 582.2 | 577.5 | 586.1 | 594.6 | 611.4 | 639.6 |
| 625.2 | 50° | 607.9 | 590.7 | 577.0 | 563.3 | 555.9 | 548.5 | 556.1 | 563.7 | 583.2 | 620.3 |
| 605.0 | 52.5° | 588.9 | 572.9 | 560.3 | 547.7 | 536.7 | 525.6 | 533.1 | 540.6 | 567.9 | 610.5 |
| 591.3 | 55° | 577.2 | 563.1 | 549.6 | 536.0 | 520.3 | 504.6 | 516.5 | 528.4 | 569.4 | 609.1 |
| 579.9 | 57.5° | 565.9 | 552.0 | 536.1 | 520.2 | 503.3 | 486.4 | 503.7 | 521.0 | 570.9 | 605.9 |
| 563.7 | 60° | 549.5 | 535.4 | 517.1 | 498.8 | 484.0 | 469.2 | 491.7 | 514.1 | 566.1 | 589.2 |
| 541.6 | 62.5° | 526.5 | 511.4 | 490.1 | 468.8 | 459.4 | 450.0 | 478.0 | 506.1 | 554.3 | 557.1 |
| 511.2 | 65° | 496.8 | 482.3 | 459.4 | 436.6 | 433.0 | 429.4 | 459.3 | 489.1 | 525.9 | 525.5 |
| 476.4 | 67.5° | 462.8 | 449.1 | 427.9 | 406.9 | 408.0 | 409.1 | 434.0 | 458.8 | 479.5 | 480.4 |
| 437.9 | 70° | 426.1 | 414.3 | 395.7 | 377.2 | 381.1 | 385.1 | 402.7 | 420.4 | 427.2 | 427.2 |
| 392.4 | 72.5° | 381.7 | 371.1 | 356.5 | 341.9 | 347.6 | 353.4 | 365.5 | 377.6 | 377.5 | 373.3 |
| 340.4 | 75° | 330.7 | 321.0 | 310.2 | 299.3 | 304.9 | 310.4 | 319.8 | 329.1 | 330.7 | 311.0 |
| 288.5 | 77.5° | 280.2 | 271.9 | 263.1 | 254.3 | 259.9 | 265.5 | 272.9 | 280.4 | 281.3 | 248.7 |
| 231.6 | 80° | 224.6 | 217.6 | 210.3 | 203.0 | 207.7 | 212.4 | 218.7 | 225.0 | 225.1 | 186.1 |
| 146.6 | 82.5° | 149.0 | 151.5 | 152.1 | 152.7 | 156.0 | 159.3 | 162.4 | 165.5 | 163.6 | 130.4 |
| 75.0 | 85° | 81.8 | 88.6 | 91.8 | 94.9 | 98.7 | 102.4 | 105.7 | 108.9 | 106.5 | 81.8 |
| 33.5 | 87.5° | 38.7 | 43.8 | 44.0 | 44.1 | 44.8 | 45.5 | 46.8 | 48.1 | 45.1 | 34.8 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P946457
 CATALOG NUMBER: GALN-SB2A-835-U-SLL

CANDELA DISTRIBUTION (continued):

| 325° | | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 1140.1 | 0° | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 | 1140.1 |
| 1157.5 | 2.5° | 1167.1 | 1177.2 | 1187.2 | 1197.2 | 1207.2 | 1216.6 | 1226.0 |
| 1174.2 | 5° | 1193.7 | 1214.5 | 1235.4 | 1256.1 | 1276.8 | 1297.6 | 1318.4 |
| 1190.4 | 7.5° | 1217.5 | 1248.4 | 1279.2 | 1310.9 | 1342.6 | 1376.8 | 1411.1 |
| 1204.7 | 10° | 1236.9 | 1274.3 | 1311.8 | 1353.6 | 1395.5 | 1438.8 | 1482.2 |
| 1210.9 | 12.5° | 1247.3 | 1291.5 | 1335.6 | 1383.1 | 1430.5 | 1478.1 | 1525.7 |
| 1206.1 | 15° | 1248.2 | 1299.1 | 1350.0 | 1401.4 | 1452.9 | 1502.5 | 1552.2 |
| 1185.4 | 17.5° | 1236.0 | 1295.0 | 1354.1 | 1410.2 | 1466.4 | 1516.7 | 1567.1 |
| 1149.5 | 20° | 1212.3 | 1283.8 | 1355.4 | 1417.1 | 1478.8 | 1531.2 | 1583.5 |
| 1107.5 | 22.5° | 1183.0 | 1270.1 | 1357.2 | 1426.4 | 1495.5 | 1549.0 | 1602.5 |
| 1060.5 | 25° | 1149.1 | 1256.5 | 1364.1 | 1443.2 | 1522.2 | 1574.6 | 1627.0 |
| 1017.6 | 27.5° | 1116.5 | 1247.5 | 1378.5 | 1469.4 | 1560.3 | 1610.3 | 1660.3 |
| 981.8 | 30° | 1088.1 | 1243.2 | 1398.3 | 1503.4 | 1608.5 | 1656.8 | 1705.1 |
| 950.8 | 32.5° | 1060.5 | 1238.0 | 1415.3 | 1538.9 | 1662.4 | 1710.2 | 1758.0 |
| 920.4 | 35° | 1028.4 | 1228.1 | 1427.9 | 1579.3 | 1730.8 | 1776.6 | 1822.3 |
| 884.6 | 37.5° | 987.1 | 1211.2 | 1435.3 | 1624.6 | 1813.9 | 1872.3 | 1930.6 |
| 841.9 | 40° | 935.8 | 1187.9 | 1440.0 | 1682.1 | 1924.1 | 2009.2 | 2094.2 |
| 794.8 | 42.5° | 878.8 | 1163.8 | 1448.9 | 1757.3 | 2065.7 | 2188.5 | 2311.2 |
| 744.8 | 45° | 818.4 | 1141.4 | 1464.5 | 1856.2 | 2248.0 | 2413.6 | 2579.2 |
| 705.2 | 47.5° | 770.8 | 1123.0 | 1475.2 | 1961.7 | 2448.2 | 2681.3 | 2914.3 |
| 678.9 | 50° | 737.5 | 1102.9 | 1468.2 | 2059.5 | 2650.8 | 3002.2 | 3353.5 |
| 661.6 | 52.5° | 712.7 | 1068.9 | 1425.1 | 2123.0 | 2820.9 | 3339.3 | 3857.7 |
| 649.0 | 55° | 689.0 | 1012.5 | 1336.1 | 2109.0 | 2881.9 | 3638.2 | 4394.5 |
| 634.1 | 57.5° | 662.4 | 933.1 | 1203.7 | 2010.5 | 2817.3 | 3850.0 | 4882.8 |
| 611.4 | 60° | 633.6 | 829.9 | 1026.3 | 1827.2 | 2628.1 | 3903.0 | 5177.8 |
| 571.8 | 62.5° | 586.6 | 706.4 | 826.3 | 1579.2 | 2332.1 | 3680.1 | 5028.0 |
| 532.5 | 65° | 539.4 | 595.4 | 651.3 | 1326.3 | 2001.3 | 3364.7 | 4728.1 |
| 476.6 | 67.5° | 472.7 | 488.6 | 504.5 | 1078.5 | 1652.5 | 2989.4 | 4326.3 |
| 409.2 | 70° | 391.2 | 386.7 | 382.1 | 849.2 | 1316.2 | 2579.8 | 3843.5 |
| 347.8 | 72.5° | 322.2 | 308.5 | 294.8 | 649.2 | 1003.6 | 2135.9 | 3268.2 |
| 282.4 | 75° | 253.7 | 241.3 | 228.9 | 471.2 | 713.4 | 1627.0 | 2540.5 |
| 220.9 | 77.5° | 193.1 | 184.7 | 176.2 | 319.3 | 462.3 | 1138.7 | 1815.1 |
| 162.7 | 80° | 139.1 | 135.6 | 132.1 | 205.7 | 279.3 | 733.7 | 1188.0 |
| 113.0 | 82.5° | 95.7 | 95.0 | 94.4 | 126.5 | 158.7 | 424.6 | 690.6 |
| 69.1 | 85° | 56.4 | 56.8 | 57.1 | 67.6 | 78.2 | 191.0 | 303.8 |
| 29.6 | 87.5° | 24.4 | 24.7 | 25.0 | 28.0 | 31.1 | 62.6 | 94.1 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)