

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: P947843

Luminaire Tested: **GLAN-SB3A-827-U-SLL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947843  
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: STREETWORKS  
Catalog Number: GLAN-SB3A-827-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 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: 11661 lumens  
Efficiency: N/A  
Efficacy: 137.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 84.7  
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



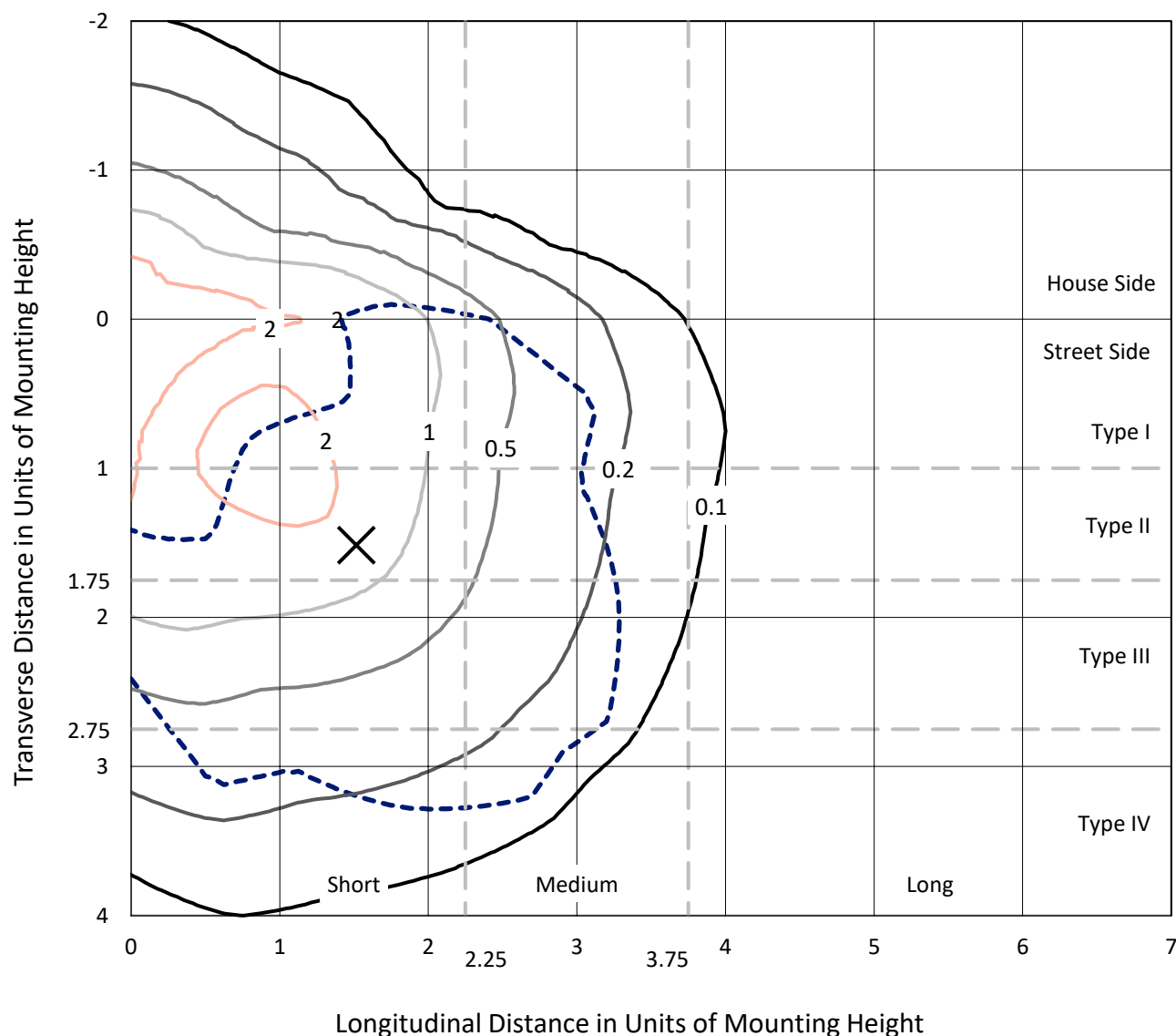
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CATALOG NUMBER: GLAN-SB3A-827-U-SLL

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

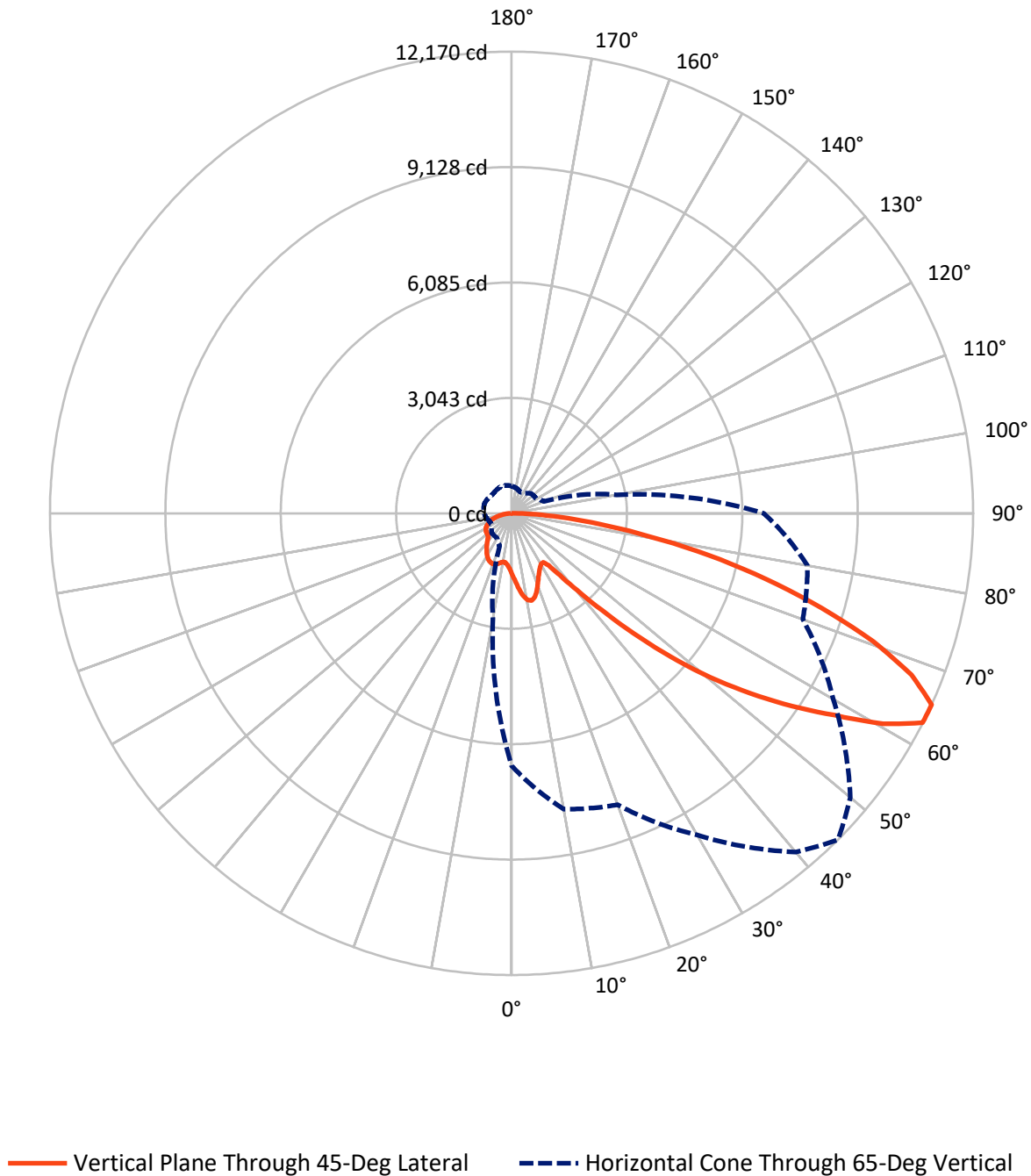


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



REPORT NUMBER: P947843

CATALOG NUMBER: GLAN-SB3A-827-U-SLL

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2963.6   | 0.0    | 2963.6  |
|                    | % Fixture | 25.4     | 0.0    | 25.4    |
| <b>Street Side</b> | Lumens    | 8697.4   | 0.0    | 8697.4  |
|                    | % Fixture | 74.6     | 0.0    | 74.6    |
| <b>Total</b>       | Lumens    | 11661.0  | 0.0    | 11661.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 159.1   | 1.4       |
| 10°-20°   | 499.3   | 4.3       |
| 20°-30°   | 771.3   | 6.6       |
| 30°-40°   | 977.4   | 8.4       |
| 40°-50°   | 1474.2  | 12.6      |
| 50°-60°   | 2381.8  | 20.4      |
| 60°-70°   | 2969.3  | 25.5      |
| 70°-80°   | 1947.1  | 16.7      |
| 80°-90°   | 481.4   | 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°    | 11661.0 | 100.0     |
| 0°-180°   | 11661.0 | 100.0     |

**Coefficient of Utilization**



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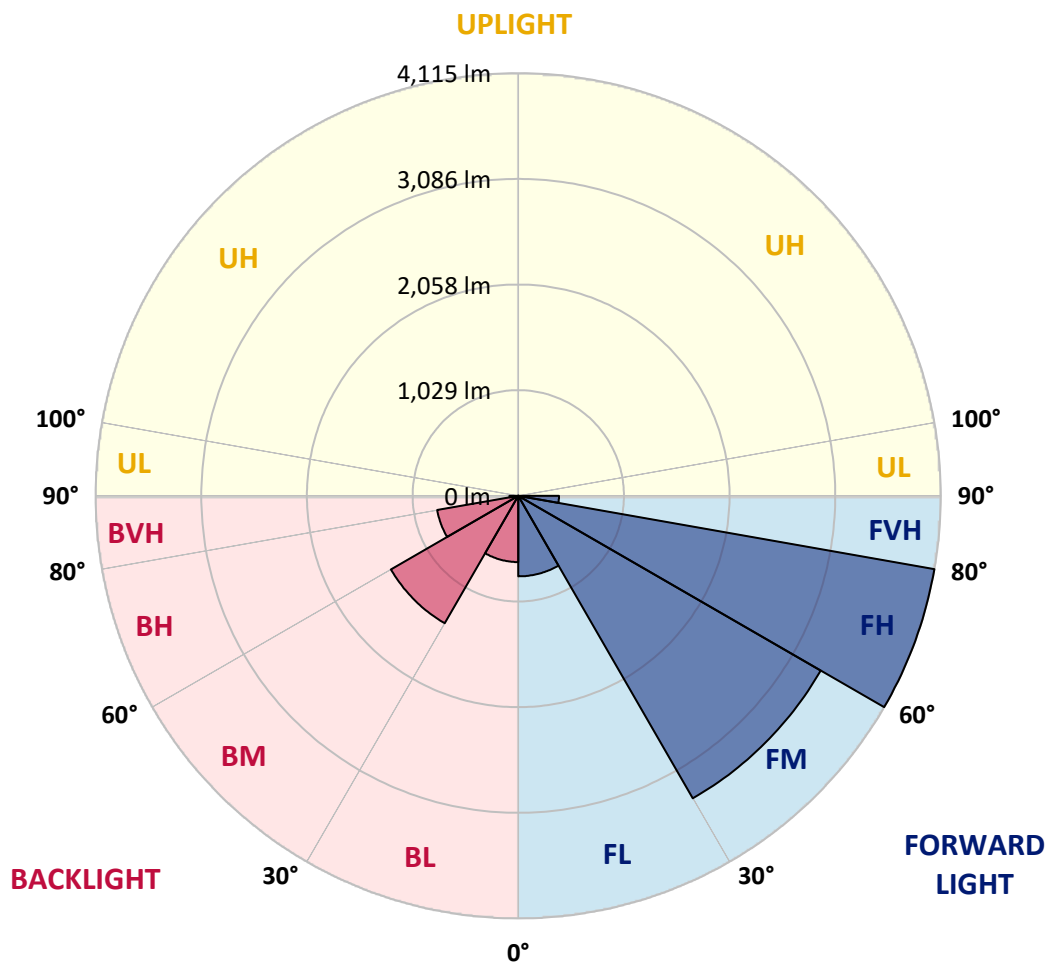
CATALOG NUMBER: GLAN-SB3A-827-U-SLL

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 784.3  | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 3401.3 | 29.2      |                         |      |         |
| FH   | (60°-80°)   | 4115.2 | 35.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 396.6  | 3.4       |                         |      | G3/500  |
| BL   | (0°-30°)    | 645.4  | 5.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1432.2 | 12.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 801.2  | 6.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 84.8   | 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: P947843

CATALOG NUMBER: GLAN-SB3A-827-U-SLL

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°     | 40°     | 45°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5  | 1603.5  | 1603.5  |
| 2.5°  | 1724.4 | 1730.9 | 1737.5 | 1746.8 | 1756.1 | 1761.6 | 1767.2 | 1769.9  | 1772.7  | 1771.5  |
| 5°    | 1854.2 | 1877.1 | 1899.9 | 1922.6 | 1945.3 | 1957.6 | 1969.9 | 1977.3  | 1984.9  | 1990.5  |
| 7.5°  | 1984.7 | 2021.8 | 2058.9 | 2092.3 | 2125.8 | 2145.9 | 2166.0 | 2176.9  | 2187.7  | 2193.0  |
| 10°   | 2084.7 | 2128.6 | 2172.5 | 2211.7 | 2250.9 | 2274.7 | 2298.3 | 2308.9  | 2319.4  | 2323.4  |
| 12.5° | 2145.9 | 2193.5 | 2241.1 | 2276.5 | 2311.8 | 2329.1 | 2346.3 | 2352.1  | 2357.9  | 2358.5  |
| 15°   | 2183.1 | 2224.2 | 2265.2 | 2287.5 | 2309.7 | 2310.4 | 2311.0 | 2304.8  | 2298.7  | 2291.4  |
| 17.5° | 2204.0 | 2231.8 | 2259.5 | 2260.0 | 2260.3 | 2235.4 | 2210.5 | 2187.7  | 2164.8  | 2148.6  |
| 20°   | 2227.1 | 2236.8 | 2246.5 | 2217.3 | 2188.0 | 2133.0 | 2078.0 | 2038.0  | 1997.9  | 1973.3  |
| 22.5° | 2253.9 | 2241.2 | 2228.5 | 2168.0 | 2107.4 | 2026.5 | 1945.6 | 1895.5  | 1845.4  | 1818.2  |
| 25°   | 2288.3 | 2248.3 | 2208.3 | 2116.4 | 2024.5 | 1926.2 | 1828.0 | 1775.3  | 1722.7  | 1697.0  |
| 27.5° | 2335.1 | 2263.6 | 2192.0 | 2070.3 | 1948.6 | 1839.6 | 1730.7 | 1678.9  | 1627.2  | 1602.9  |
| 30°   | 2398.2 | 2291.5 | 2185.0 | 2035.1 | 1885.2 | 1771.7 | 1658.3 | 1610.2  | 1562.1  | 1539.5  |
| 32.5° | 2472.6 | 2326.6 | 2180.6 | 2011.1 | 1841.5 | 1734.9 | 1628.2 | 1590.5  | 1552.7  | 1536.4  |
| 35°   | 2563.1 | 2384.4 | 2205.7 | 2029.0 | 1852.4 | 1778.3 | 1704.3 | 1695.5  | 1686.7  | 1685.3  |
| 37.5° | 2715.3 | 2505.2 | 2295.0 | 2134.4 | 1973.8 | 1969.0 | 1964.2 | 2004.4  | 2044.7  | 2065.6  |
| 40°   | 2945.5 | 2716.9 | 2488.3 | 2368.9 | 2249.4 | 2333.7 | 2418.0 | 2515.9  | 2613.7  | 2662.4  |
| 42.5° | 3250.7 | 3023.9 | 2797.1 | 2728.3 | 2659.5 | 2843.3 | 3027.2 | 3205.1  | 3383.1  | 3487.6  |
| 45°   | 3627.5 | 3423.8 | 3220.0 | 3189.7 | 3159.3 | 3453.8 | 3748.4 | 4040.8  | 4333.3  | 4510.8  |
| 47.5° | 4098.9 | 3900.7 | 3702.4 | 3696.3 | 3690.1 | 4115.0 | 4539.9 | 4967.9  | 5395.9  | 5647.3  |
| 50°   | 4716.6 | 4471.8 | 4227.0 | 4228.1 | 4229.1 | 4776.7 | 5324.4 | 5889.4  | 6454.4  | 6796.1  |
| 52.5° | 5425.8 | 5129.3 | 4832.9 | 4803.0 | 4772.9 | 5427.1 | 6081.2 | 6780.3  | 7479.4  | 7888.8  |
| 55°   | 6180.8 | 5887.9 | 5595.0 | 5478.1 | 5361.3 | 6089.3 | 6817.3 | 7650.7  | 8484.1  | 8971.2  |
| 57.5° | 6867.4 | 6707.9 | 6548.4 | 6314.0 | 6079.7 | 6814.8 | 7549.9 | 8493.9  | 9437.9  | 10041.8 |
| 60°   | 7282.5 | 7530.2 | 7778.0 | 7486.9 | 7195.9 | 7891.5 | 8587.2 | 9597.9  | 10608.6 | 11261.3 |
| 62.5° | 7071.7 | 7748.6 | 8425.5 | 8392.7 | 8359.9 | 8997.1 | 9634.5 | 10596.1 | 11557.6 | 12160.9 |
| 65°   | 6649.9 | 7285.2 | 7920.5 | 8046.2 | 8171.9 | 8981.7 | 9791.7 | 10724.1 | 11656.5 | 12170.1 |
| 67.5° | 6084.8 | 6689.0 | 7293.2 | 7352.2 | 7411.1 | 8254.9 | 9098.7 | 10035.1 | 10971.5 | 11373.9 |
| 70°   | 5405.8 | 6063.0 | 6720.3 | 6746.6 | 6773.0 | 7527.6 | 8282.1 | 9088.0  | 9893.8  | 10117.5 |
| 72.5° | 4596.6 | 5350.8 | 6105.1 | 6124.0 | 6142.9 | 6733.3 | 7323.7 | 7927.2  | 8530.7  | 8553.4  |
| 75°   | 3573.1 | 4353.7 | 5134.2 | 5204.3 | 5274.4 | 5733.7 | 6193.1 | 6617.9  | 7042.8  | 6929.0  |
| 77.5° | 2552.9 | 3281.6 | 4010.3 | 4110.6 | 4210.8 | 4560.0 | 4909.2 | 5210.5  | 5511.9  | 5316.2  |
| 80°   | 1670.9 | 2283.9 | 2896.9 | 3021.5 | 3146.2 | 3409.9 | 3673.5 | 3831.8  | 3990.0  | 3675.2  |
| 82.5° | 971.3  | 1390.3 | 1809.5 | 1948.7 | 2088.0 | 2269.6 | 2451.1 | 2517.1  | 2583.1  | 2335.7  |
| 85°   | 427.3  | 649.8  | 872.2  | 990.6  | 1109.1 | 1258.2 | 1407.3 | 1444.8  | 1482.3  | 1284.1  |
| 87.5° | 132.3  | 207.1  | 281.8  | 347.9  | 414.0  | 488.6  | 563.1  | 566.3   | 569.5   | 478.1   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1603.5  | 0°    | 1603.5  | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 |
| 1772.7  | 2.5°  | 1769.9  | 1767.2 | 1761.6 | 1756.1 | 1746.8 | 1737.5 | 1730.9 | 1724.4 | 1711.2 | 1697.9 |
| 1984.9  | 5°    | 1977.3  | 1969.9 | 1957.6 | 1945.3 | 1922.6 | 1899.9 | 1877.1 | 1854.2 | 1825.0 | 1795.8 |
| 2187.7  | 7.5°  | 2176.9  | 2166.0 | 2145.9 | 2125.8 | 2092.3 | 2058.9 | 2021.8 | 1984.7 | 1936.4 | 1888.3 |
| 2319.4  | 10°   | 2308.9  | 2298.3 | 2274.7 | 2250.9 | 2211.7 | 2172.5 | 2128.6 | 2084.7 | 2023.7 | 1962.7 |
| 2357.9  | 12.5° | 2352.1  | 2346.3 | 2329.1 | 2311.8 | 2276.5 | 2241.1 | 2193.5 | 2145.9 | 2078.9 | 2011.9 |
| 2298.7  | 15°   | 2304.8  | 2311.0 | 2310.4 | 2309.7 | 2287.5 | 2265.2 | 2224.2 | 2183.1 | 2113.3 | 2043.4 |
| 2164.8  | 17.5° | 2187.7  | 2210.5 | 2235.4 | 2260.3 | 2260.0 | 2259.5 | 2231.8 | 2204.0 | 2133.2 | 2062.4 |
| 1997.9  | 20°   | 2038.0  | 2078.0 | 2133.0 | 2188.0 | 2217.3 | 2246.5 | 2236.8 | 2227.1 | 2153.5 | 2079.9 |
| 1845.4  | 22.5° | 1895.5  | 1945.6 | 2026.5 | 2107.4 | 2168.0 | 2228.5 | 2241.2 | 2253.9 | 2178.7 | 2103.4 |
| 1722.7  | 25°   | 1775.3  | 1828.0 | 1926.2 | 2024.5 | 2116.4 | 2208.3 | 2248.3 | 2288.3 | 2214.6 | 2141.0 |
| 1627.2  | 27.5° | 1678.9  | 1730.7 | 1839.6 | 1948.6 | 2070.3 | 2192.0 | 2263.6 | 2335.1 | 2264.8 | 2194.5 |
| 1562.1  | 30°   | 1610.2  | 1658.3 | 1771.7 | 1885.2 | 2035.1 | 2185.0 | 2291.5 | 2398.2 | 2330.2 | 2262.4 |
| 1552.7  | 32.5° | 1590.5  | 1628.2 | 1734.9 | 1841.5 | 2011.1 | 2180.6 | 2326.6 | 2472.6 | 2405.4 | 2338.2 |
| 1686.7  | 35°   | 1695.5  | 1704.3 | 1778.3 | 1852.4 | 2029.0 | 2205.7 | 2384.4 | 2563.1 | 2498.7 | 2434.3 |
| 2044.7  | 37.5° | 2004.4  | 1964.2 | 1969.0 | 1973.8 | 2134.4 | 2295.0 | 2505.2 | 2715.3 | 2633.3 | 2551.2 |
| 2613.7  | 40°   | 2515.9  | 2418.0 | 2333.7 | 2249.4 | 2368.9 | 2488.3 | 2716.9 | 2945.5 | 2825.9 | 2706.2 |
| 3383.1  | 42.5° | 3205.1  | 3027.2 | 2843.3 | 2659.5 | 2728.3 | 2797.1 | 3023.9 | 3250.7 | 3078.0 | 2905.4 |
| 4333.3  | 45°   | 4040.8  | 3748.4 | 3453.8 | 3159.3 | 3189.7 | 3220.0 | 3423.8 | 3627.5 | 3394.6 | 3161.8 |
| 5395.9  | 47.5° | 4967.9  | 4539.9 | 4115.0 | 3690.1 | 3696.3 | 3702.4 | 3900.7 | 4098.9 | 3771.1 | 3443.3 |
| 6454.4  | 50°   | 5889.4  | 5324.4 | 4776.7 | 4229.1 | 4228.1 | 4227.0 | 4471.8 | 4716.6 | 4222.5 | 3728.3 |
| 7479.4  | 52.5° | 6780.3  | 6081.2 | 5427.1 | 4772.9 | 4803.0 | 4832.9 | 5129.3 | 5425.8 | 4696.6 | 3967.5 |
| 8484.1  | 55°   | 7650.7  | 6817.3 | 6089.3 | 5361.3 | 5478.1 | 5595.0 | 5887.9 | 6180.8 | 5117.0 | 4053.3 |
| 9437.9  | 57.5° | 8493.9  | 7549.9 | 6814.8 | 6079.7 | 6314.0 | 6548.4 | 6707.9 | 6867.4 | 5414.9 | 3962.4 |
| 10608.6 | 60°   | 9597.9  | 8587.2 | 7891.5 | 7195.9 | 7486.9 | 7778.0 | 7530.2 | 7282.5 | 5489.4 | 3696.3 |
| 11557.6 | 62.5° | 10596.1 | 9634.5 | 8997.1 | 8359.9 | 8392.7 | 8425.5 | 7748.6 | 7071.7 | 5175.9 | 3280.1 |
| 11656.5 | 65°   | 10724.1 | 9791.7 | 8981.7 | 8171.9 | 8046.2 | 7920.5 | 7285.2 | 6649.9 | 4732.3 | 2814.7 |
| 10971.5 | 67.5° | 10035.1 | 9098.7 | 8254.9 | 7411.1 | 7352.2 | 7293.2 | 6689.0 | 6084.8 | 4204.4 | 2324.1 |
| 9893.8  | 70°   | 9088.0  | 8282.1 | 7527.6 | 6773.0 | 6746.6 | 6720.3 | 6063.0 | 5405.8 | 3628.5 | 1851.1 |
| 8530.7  | 72.5° | 7927.2  | 7323.7 | 6733.3 | 6142.9 | 6124.0 | 6105.1 | 5350.8 | 4596.6 | 3004.0 | 1411.5 |
| 7042.8  | 75°   | 6617.9  | 6193.1 | 5733.7 | 5274.4 | 5204.3 | 5134.2 | 4353.7 | 3573.1 | 2288.3 | 1003.4 |
| 5511.9  | 77.5° | 5210.5  | 4909.2 | 4560.0 | 4210.8 | 4110.6 | 4010.3 | 3281.6 | 2552.9 | 1601.6 | 650.3  |
| 3990.0  | 80°   | 3831.8  | 3673.5 | 3409.9 | 3146.2 | 3021.5 | 2896.9 | 2283.9 | 1670.9 | 1031.9 | 392.9  |
| 2583.1  | 82.5° | 2517.1  | 2451.1 | 2269.6 | 2088.0 | 1948.7 | 1809.5 | 1390.3 | 971.3  | 597.2  | 223.2  |
| 1482.3  | 85°   | 1444.8  | 1407.3 | 1258.2 | 1109.1 | 990.6  | 872.2  | 649.8  | 427.3  | 268.6  | 110.0  |
| 569.5   | 87.5° | 566.3   | 563.1  | 488.6  | 414.0  | 347.9  | 281.8  | 207.1  | 132.3  | 88.0   | 43.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1603.5 | 0°    | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 |
| 1683.8 | 2.5°  | 1669.8 | 1655.7 | 1641.5 | 1628.0 | 1614.4 | 1601.3 | 1586.8 | 1574.9 | 1563.2 | 1552.5 |
| 1766.6 | 5°    | 1737.5 | 1708.2 | 1678.9 | 1651.5 | 1624.1 | 1598.3 | 1572.7 | 1550.4 | 1528.1 | 1509.4 |
| 1843.7 | 7.5°  | 1799.2 | 1755.8 | 1712.4 | 1674.2 | 1636.0 | 1600.7 | 1567.7 | 1538.0 | 1508.4 | 1483.8 |
| 1903.8 | 10°   | 1845.0 | 1792.3 | 1739.6 | 1694.4 | 1649.1 | 1605.6 | 1570.1 | 1538.9 | 1507.6 | 1483.0 |
| 1945.2 | 12.5° | 1878.5 | 1816.4 | 1754.2 | 1703.1 | 1652.0 | 1606.3 | 1573.2 | 1547.6 | 1522.1 | 1505.8 |
| 1971.1 | 15°   | 1898.7 | 1827.2 | 1755.6 | 1696.4 | 1637.2 | 1586.6 | 1560.1 | 1547.9 | 1535.7 | 1537.9 |
| 1983.4 | 17.5° | 1904.5 | 1821.4 | 1738.4 | 1667.2 | 1596.0 | 1536.4 | 1520.1 | 1524.6 | 1529.0 | 1555.9 |
| 1993.1 | 20°   | 1906.3 | 1805.7 | 1705.0 | 1616.8 | 1528.5 | 1459.2 | 1454.9 | 1475.8 | 1496.7 | 1543.3 |
| 2006.1 | 22.5° | 1908.8 | 1786.4 | 1663.9 | 1557.6 | 1451.4 | 1372.4 | 1380.9 | 1411.8 | 1442.8 | 1495.9 |
| 2029.8 | 25°   | 1918.5 | 1767.3 | 1616.1 | 1491.6 | 1367.2 | 1286.3 | 1309.1 | 1344.8 | 1380.4 | 1428.2 |
| 2066.7 | 27.5° | 1938.8 | 1754.5 | 1570.3 | 1431.3 | 1292.3 | 1218.6 | 1246.3 | 1280.8 | 1315.2 | 1354.5 |
| 2114.5 | 30°   | 1966.6 | 1748.6 | 1530.4 | 1380.8 | 1231.2 | 1169.4 | 1191.1 | 1218.4 | 1245.9 | 1278.5 |
| 2164.4 | 32.5° | 1990.6 | 1741.2 | 1491.6 | 1337.3 | 1182.9 | 1133.1 | 1142.7 | 1158.9 | 1175.1 | 1201.1 |
| 2221.3 | 35°   | 2008.2 | 1727.3 | 1446.5 | 1294.5 | 1142.6 | 1101.1 | 1097.1 | 1101.5 | 1106.0 | 1125.9 |
| 2284.9 | 37.5° | 2018.7 | 1703.5 | 1388.3 | 1244.2 | 1100.2 | 1063.9 | 1049.2 | 1044.3 | 1039.4 | 1053.7 |
| 2365.8 | 40°   | 2025.3 | 1670.7 | 1316.1 | 1184.2 | 1052.2 | 1019.3 | 996.8  | 985.7  | 974.5  | 984.8  |
| 2471.6 | 42.5° | 2037.8 | 1636.8 | 1236.0 | 1117.9 | 999.7  | 969.4  | 941.1  | 926.3  | 911.6  | 919.9  |
| 2610.7 | 45°   | 2059.7 | 1605.4 | 1151.1 | 1047.5 | 943.9  | 913.1  | 885.7  | 871.3  | 857.0  | 864.0  |
| 2759.0 | 47.5° | 2074.8 | 1579.4 | 1084.0 | 991.8  | 899.6  | 859.9  | 836.3  | 824.3  | 812.2  | 818.8  |
| 2896.6 | 50°   | 2065.0 | 1551.1 | 1037.3 | 954.8  | 872.4  | 820.2  | 792.8  | 782.1  | 771.5  | 781.8  |
| 2986.0 | 52.5° | 2004.4 | 1503.3 | 1002.3 | 930.5  | 858.7  | 798.7  | 760.4  | 749.8  | 739.3  | 754.9  |
| 2966.3 | 55°   | 1879.1 | 1424.1 | 969.0  | 912.8  | 856.6  | 800.8  | 743.2  | 726.4  | 709.8  | 731.8  |
| 2827.7 | 57.5° | 1693.0 | 1312.3 | 931.6  | 891.9  | 852.2  | 803.0  | 732.8  | 708.5  | 684.1  | 707.8  |
| 2569.8 | 60°   | 1443.4 | 1167.2 | 891.1  | 859.9  | 828.7  | 796.2  | 723.1  | 691.5  | 659.9  | 680.8  |
| 2221.1 | 62.5° | 1162.2 | 993.6  | 825.0  | 804.3  | 783.6  | 779.6  | 711.8  | 672.3  | 632.8  | 646.1  |
| 1865.4 | 65°   | 916.1  | 837.4  | 758.7  | 748.9  | 739.1  | 739.6  | 687.9  | 645.9  | 603.9  | 609.0  |
| 1516.9 | 67.5° | 709.6  | 687.2  | 664.8  | 670.3  | 675.7  | 674.4  | 645.3  | 610.4  | 575.4  | 573.8  |
| 1194.3 | 70°   | 537.5  | 543.9  | 550.2  | 575.6  | 600.8  | 600.8  | 591.3  | 566.5  | 541.6  | 536.1  |
| 913.1  | 72.5° | 414.6  | 433.9  | 453.2  | 489.1  | 525.0  | 531.0  | 531.1  | 514.1  | 497.0  | 488.9  |
| 662.7  | 75°   | 321.9  | 339.4  | 356.9  | 397.1  | 437.4  | 465.2  | 462.8  | 449.7  | 436.6  | 428.8  |
| 449.1  | 77.5° | 247.8  | 259.7  | 271.7  | 310.7  | 349.8  | 395.6  | 394.4  | 383.9  | 373.4  | 365.5  |
| 289.3  | 80°   | 185.8  | 190.7  | 195.7  | 228.8  | 261.8  | 316.6  | 316.4  | 307.6  | 298.7  | 292.1  |
| 177.9  | 82.5° | 132.8  | 133.6  | 134.6  | 159.0  | 183.4  | 230.1  | 232.7  | 228.4  | 224.1  | 219.4  |
| 95.1   | 85°   | 80.3   | 79.9   | 79.4   | 97.2   | 115.1  | 149.8  | 153.2  | 148.6  | 144.0  | 138.8  |
| 39.4   | 87.5° | 35.2   | 34.8   | 34.3   | 41.6   | 48.9   | 63.4   | 67.7   | 65.8   | 64.0   | 63.0   |
| 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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CATALOG NUMBER: GLAN-SB3A-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

| 160°   |       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1603.5 | 0°    | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 |
| 1542.0 | 2.5°  | 1532.7 | 1523.4 | 1514.0 | 1504.7 | 1497.5 | 1490.3 | 1484.4 | 1478.6 | 1474.0 | 1469.5 |
| 1490.8 | 5°    | 1474.3 | 1457.8 | 1442.8 | 1427.8 | 1416.3 | 1404.7 | 1396.7 | 1388.6 | 1382.9 | 1377.2 |
| 1459.2 | 7.5°  | 1438.5 | 1417.7 | 1399.3 | 1381.1 | 1367.3 | 1353.7 | 1344.1 | 1334.5 | 1327.9 | 1321.4 |
| 1458.4 | 10°   | 1436.1 | 1413.7 | 1393.1 | 1372.4 | 1356.1 | 1339.6 | 1328.9 | 1318.1 | 1311.9 | 1305.7 |
| 1489.5 | 12.5° | 1471.9 | 1454.5 | 1433.1 | 1411.8 | 1390.9 | 1370.0 | 1356.1 | 1342.3 | 1335.3 | 1328.4 |
| 1540.1 | 15°   | 1535.6 | 1531.0 | 1512.5 | 1494.0 | 1464.2 | 1434.4 | 1413.4 | 1392.3 | 1382.7 | 1373.1 |
| 1582.7 | 17.5° | 1597.0 | 1611.2 | 1596.2 | 1581.3 | 1541.9 | 1502.5 | 1471.4 | 1440.4 | 1426.2 | 1411.8 |
| 1590.0 | 20°   | 1619.8 | 1649.6 | 1642.7 | 1635.8 | 1590.7 | 1545.6 | 1507.6 | 1469.7 | 1451.4 | 1433.0 |
| 1549.2 | 22.5° | 1588.0 | 1626.9 | 1631.1 | 1635.2 | 1592.1 | 1549.0 | 1509.9 | 1470.7 | 1451.4 | 1432.1 |
| 1476.1 | 25°   | 1514.3 | 1552.5 | 1566.8 | 1581.0 | 1545.7 | 1510.5 | 1475.6 | 1440.9 | 1424.2 | 1407.5 |
| 1393.8 | 27.5° | 1424.4 | 1455.1 | 1471.0 | 1486.9 | 1461.7 | 1436.6 | 1409.6 | 1382.6 | 1371.4 | 1360.1 |
| 1311.1 | 30°   | 1336.5 | 1362.0 | 1374.9 | 1387.8 | 1368.7 | 1349.5 | 1330.2 | 1310.7 | 1305.0 | 1299.2 |
| 1227.2 | 32.5° | 1251.6 | 1276.0 | 1290.4 | 1304.8 | 1287.2 | 1269.5 | 1254.1 | 1238.6 | 1234.9 | 1231.1 |
| 1145.7 | 35°   | 1169.8 | 1194.0 | 1211.2 | 1228.5 | 1215.9 | 1203.4 | 1189.1 | 1174.9 | 1169.2 | 1163.5 |
| 1067.9 | 37.5° | 1091.9 | 1116.0 | 1137.3 | 1158.6 | 1152.8 | 1147.1 | 1133.9 | 1120.8 | 1110.4 | 1100.0 |
| 995.1  | 40°   | 1018.3 | 1041.6 | 1066.1 | 1090.6 | 1092.0 | 1093.4 | 1082.3 | 1071.1 | 1056.0 | 1041.0 |
| 928.4  | 42.5° | 950.4  | 972.5  | 998.9  | 1025.4 | 1032.5 | 1039.6 | 1030.1 | 1020.8 | 1002.0 | 983.3  |
| 871.2  | 45°   | 892.1  | 913.0  | 940.4  | 967.9  | 978.0  | 988.2  | 979.7  | 971.3  | 949.8  | 928.4  |
| 825.4  | 47.5° | 845.9  | 866.4  | 893.4  | 920.5  | 932.2  | 943.9  | 938.0  | 932.1  | 913.0  | 893.9  |
| 792.2  | 50°   | 811.5  | 830.8  | 855.0  | 879.3  | 894.3  | 909.3  | 908.9  | 908.7  | 893.4  | 878.2  |
| 770.4  | 52.5° | 788.1  | 805.7  | 828.3  | 851.0  | 868.8  | 886.5  | 889.7  | 892.9  | 880.5  | 868.1  |
| 753.9  | 55°   | 772.9  | 792.0  | 811.8  | 831.6  | 850.4  | 869.3  | 873.7  | 878.2  | 867.3  | 856.5  |
| 731.6  | 57.5° | 754.0  | 776.4  | 796.0  | 815.6  | 834.6  | 853.6  | 858.0  | 862.5  | 851.6  | 840.6  |
| 701.6  | 60°   | 727.3  | 753.0  | 772.9  | 792.8  | 811.9  | 831.0  | 835.9  | 840.8  | 830.1  | 819.5  |
| 659.3  | 62.5° | 689.3  | 719.3  | 740.5  | 761.7  | 779.2  | 796.7  | 801.4  | 806.2  | 796.5  | 786.9  |
| 614.1  | 65°   | 646.2  | 678.4  | 698.7  | 719.0  | 734.4  | 749.8  | 754.6  | 759.4  | 750.1  | 740.8  |
| 572.2  | 67.5° | 601.9  | 631.6  | 650.9  | 670.1  | 683.4  | 696.6  | 701.4  | 706.1  | 697.5  | 689.0  |
| 530.5  | 70°   | 556.6  | 582.7  | 599.3  | 615.9  | 627.9  | 639.9  | 644.5  | 649.0  | 642.1  | 635.1  |
| 480.9  | 72.5° | 501.4  | 521.9  | 536.9  | 551.9  | 563.7  | 575.4  | 580.8  | 586.3  | 580.5  | 574.7  |
| 421.0  | 75°   | 436.3  | 451.5  | 465.1  | 478.7  | 489.4  | 500.1  | 505.8  | 511.4  | 508.6  | 505.8  |
| 357.6  | 77.5° | 370.0  | 382.4  | 394.1  | 405.8  | 417.1  | 428.3  | 433.5  | 438.8  | 434.9  | 430.8  |
| 285.5  | 80°   | 295.8  | 306.1  | 316.0  | 325.8  | 334.4  | 342.8  | 349.9  | 356.9  | 355.2  | 353.5  |
| 214.7  | 82.5° | 213.9  | 213.0  | 209.6  | 206.1  | 224.3  | 242.6  | 254.5  | 266.4  | 265.7  | 264.9  |
| 133.5  | 85°   | 129.1  | 124.6  | 115.1  | 105.5  | 122.6  | 139.7  | 154.4  | 169.2  | 168.0  | 166.7  |
| 62.0   | 87.5° | 61.8   | 61.7   | 54.4   | 47.1   | 54.2   | 61.4   | 67.4   | 73.3   | 71.9   | 70.3   |
| 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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CATALOG NUMBER: GLAN-SB3A-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

| 215°   |       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1603.5 | 0°    | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 |
| 1465.3 | 2.5°  | 1461.0 | 1455.8 | 1461.0 | 1465.3 | 1469.5 | 1474.0 | 1478.6 | 1484.4 | 1490.3 | 1497.5 |
| 1372.8 | 5°    | 1368.4 | 1364.1 | 1368.4 | 1372.8 | 1377.2 | 1382.9 | 1388.6 | 1396.7 | 1404.7 | 1416.3 |
| 1317.4 | 7.5°  | 1313.6 | 1310.6 | 1313.6 | 1317.4 | 1321.4 | 1327.9 | 1334.5 | 1344.1 | 1353.7 | 1367.3 |
| 1302.4 | 10°   | 1299.0 | 1297.7 | 1299.0 | 1302.4 | 1305.7 | 1311.9 | 1318.1 | 1328.9 | 1339.6 | 1356.1 |
| 1325.6 | 12.5° | 1322.8 | 1322.3 | 1322.8 | 1325.6 | 1328.4 | 1335.3 | 1342.3 | 1356.1 | 1370.0 | 1390.9 |
| 1369.4 | 15°   | 1365.7 | 1365.4 | 1365.7 | 1369.4 | 1373.1 | 1382.7 | 1392.3 | 1413.4 | 1434.4 | 1464.2 |
| 1407.1 | 17.5° | 1402.4 | 1401.7 | 1402.4 | 1407.1 | 1411.8 | 1426.2 | 1440.4 | 1471.4 | 1502.5 | 1541.9 |
| 1427.2 | 20°   | 1421.4 | 1419.5 | 1421.4 | 1427.2 | 1433.0 | 1451.4 | 1469.7 | 1507.6 | 1545.6 | 1590.7 |
| 1425.7 | 22.5° | 1419.2 | 1416.4 | 1419.2 | 1425.7 | 1432.1 | 1451.4 | 1470.7 | 1509.9 | 1549.0 | 1592.1 |
| 1401.4 | 25°   | 1395.4 | 1391.8 | 1395.4 | 1401.4 | 1407.5 | 1424.2 | 1440.9 | 1475.6 | 1510.5 | 1545.7 |
| 1357.4 | 27.5° | 1354.6 | 1353.7 | 1354.6 | 1357.4 | 1360.1 | 1371.4 | 1382.6 | 1409.6 | 1436.6 | 1461.7 |
| 1299.2 | 30°   | 1299.2 | 1300.1 | 1299.2 | 1299.2 | 1299.2 | 1305.0 | 1310.7 | 1330.2 | 1349.5 | 1368.7 |
| 1231.6 | 32.5° | 1232.2 | 1233.1 | 1232.2 | 1231.6 | 1231.1 | 1234.9 | 1238.6 | 1254.1 | 1269.5 | 1287.2 |
| 1162.3 | 35°   | 1161.1 | 1160.5 | 1161.1 | 1162.3 | 1163.5 | 1169.2 | 1174.9 | 1189.1 | 1203.4 | 1215.9 |
| 1094.6 | 37.5° | 1089.1 | 1086.0 | 1089.1 | 1094.6 | 1100.0 | 1110.4 | 1120.8 | 1133.9 | 1147.1 | 1152.8 |
| 1030.8 | 40°   | 1020.7 | 1014.6 | 1020.7 | 1030.8 | 1041.0 | 1056.0 | 1071.1 | 1082.3 | 1093.4 | 1092.0 |
| 968.4  | 42.5° | 953.6  | 943.9  | 953.6  | 968.4  | 983.3  | 1002.0 | 1020.8 | 1030.1 | 1039.6 | 1032.5 |
| 911.0  | 45°   | 893.5  | 882.3  | 893.5  | 911.0  | 928.4  | 949.8  | 971.3  | 979.7  | 988.2  | 978.0  |
| 877.8  | 47.5° | 861.7  | 851.0  | 861.7  | 877.8  | 893.9  | 913.0  | 932.1  | 938.0  | 943.9  | 932.2  |
| 863.3  | 50°   | 848.4  | 838.0  | 848.4  | 863.3  | 878.2  | 893.4  | 908.7  | 908.9  | 909.3  | 894.3  |
| 854.7  | 52.5° | 841.4  | 831.9  | 841.4  | 854.7  | 868.1  | 880.5  | 892.9  | 889.7  | 886.5  | 868.8  |
| 844.8  | 55°   | 833.1  | 824.5  | 833.1  | 844.8  | 856.5  | 867.3  | 878.2  | 873.7  | 869.3  | 850.4  |
| 829.1  | 57.5° | 817.4  | 808.5  | 817.4  | 829.1  | 840.6  | 851.6  | 862.5  | 858.0  | 853.6  | 834.6  |
| 807.5  | 60°   | 795.6  | 786.4  | 795.6  | 807.5  | 819.5  | 830.1  | 840.8  | 835.9  | 831.0  | 811.9  |
| 774.3  | 62.5° | 761.7  | 750.7  | 761.7  | 774.3  | 786.9  | 796.5  | 806.2  | 801.4  | 796.7  | 779.2  |
| 728.6  | 65°   | 716.5  | 707.0  | 716.5  | 728.6  | 740.8  | 750.1  | 759.4  | 754.6  | 749.8  | 734.4  |
| 677.7  | 67.5° | 666.4  | 657.8  | 666.4  | 677.7  | 689.0  | 697.5  | 706.1  | 701.4  | 696.6  | 683.4  |
| 624.3  | 70°   | 613.5  | 603.6  | 613.5  | 624.3  | 635.1  | 642.1  | 649.0  | 644.5  | 639.9  | 627.9  |
| 564.4  | 72.5° | 554.1  | 544.5  | 554.1  | 564.4  | 574.7  | 580.5  | 586.3  | 580.8  | 575.4  | 563.7  |
| 497.1  | 75°   | 488.4  | 479.3  | 488.4  | 497.1  | 505.8  | 508.6  | 511.4  | 505.8  | 500.1  | 489.4  |
| 422.1  | 77.5° | 413.4  | 406.1  | 413.4  | 422.1  | 430.8  | 434.9  | 438.8  | 433.5  | 428.3  | 417.1  |
| 341.7  | 80°   | 329.9  | 316.3  | 329.9  | 341.7  | 353.5  | 355.2  | 356.9  | 349.9  | 342.8  | 334.4  |
| 255.0  | 82.5° | 245.0  | 236.3  | 245.0  | 255.0  | 264.9  | 265.7  | 266.4  | 254.5  | 242.6  | 224.3  |
| 159.0  | 85°   | 151.2  | 143.4  | 151.2  | 159.0  | 166.7  | 168.0  | 169.2  | 154.4  | 139.7  | 122.6  |
| 66.3   | 87.5° | 62.3   | 58.5   | 62.3   | 66.3   | 70.3   | 71.9   | 73.3   | 67.4   | 61.4   | 54.2   |
| 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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CATALOG NUMBER: GLAN-SB3A-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

| 270°   |       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1603.5 | 0°    | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 |
| 1504.7 | 2.5°  | 1514.0 | 1523.4 | 1532.7 | 1542.0 | 1552.5 | 1563.2 | 1574.9 | 1586.8 | 1601.3 | 1614.4 |
| 1427.8 | 5°    | 1442.8 | 1457.8 | 1474.3 | 1490.8 | 1509.4 | 1528.1 | 1550.4 | 1572.7 | 1598.3 | 1624.1 |
| 1381.1 | 7.5°  | 1399.3 | 1417.7 | 1438.5 | 1459.2 | 1483.8 | 1508.4 | 1538.0 | 1567.7 | 1600.7 | 1636.0 |
| 1372.4 | 10°   | 1393.1 | 1413.7 | 1436.1 | 1458.4 | 1483.0 | 1507.6 | 1538.9 | 1570.1 | 1605.6 | 1649.1 |
| 1411.8 | 12.5° | 1433.1 | 1454.5 | 1471.9 | 1489.5 | 1505.8 | 1522.1 | 1547.6 | 1573.2 | 1606.3 | 1652.0 |
| 1494.0 | 15°   | 1512.5 | 1531.0 | 1535.6 | 1540.1 | 1537.9 | 1535.7 | 1547.9 | 1560.1 | 1586.6 | 1637.2 |
| 1581.3 | 17.5° | 1596.2 | 1611.2 | 1597.0 | 1582.7 | 1555.9 | 1529.0 | 1524.6 | 1520.1 | 1536.4 | 1596.0 |
| 1635.8 | 20°   | 1642.7 | 1649.6 | 1619.8 | 1590.0 | 1543.3 | 1496.7 | 1475.8 | 1454.9 | 1459.2 | 1528.5 |
| 1635.2 | 22.5° | 1631.1 | 1626.9 | 1588.0 | 1549.2 | 1495.9 | 1442.8 | 1411.8 | 1380.9 | 1372.4 | 1451.4 |
| 1581.0 | 25°   | 1566.8 | 1552.5 | 1514.3 | 1476.1 | 1428.2 | 1380.4 | 1344.8 | 1309.1 | 1286.3 | 1367.2 |
| 1486.9 | 27.5° | 1471.0 | 1455.1 | 1424.4 | 1393.8 | 1354.5 | 1315.2 | 1280.8 | 1246.3 | 1218.6 | 1292.3 |
| 1387.8 | 30°   | 1374.9 | 1362.0 | 1336.5 | 1311.1 | 1278.5 | 1245.9 | 1218.4 | 1191.1 | 1169.4 | 1231.2 |
| 1304.8 | 32.5° | 1290.4 | 1276.0 | 1251.6 | 1227.2 | 1201.1 | 1175.1 | 1158.9 | 1142.7 | 1133.1 | 1182.9 |
| 1228.5 | 35°   | 1211.2 | 1194.0 | 1169.8 | 1145.7 | 1125.9 | 1106.0 | 1101.5 | 1097.1 | 1101.1 | 1142.6 |
| 1158.6 | 37.5° | 1137.3 | 1116.0 | 1091.9 | 1067.9 | 1053.7 | 1039.4 | 1044.3 | 1049.2 | 1063.9 | 1100.2 |
| 1090.6 | 40°   | 1066.1 | 1041.6 | 1018.3 | 995.1  | 984.8  | 974.5  | 985.7  | 996.8  | 1019.3 | 1052.2 |
| 1025.4 | 42.5° | 998.9  | 972.5  | 950.4  | 928.4  | 919.9  | 911.6  | 926.3  | 941.1  | 969.4  | 999.7  |
| 967.9  | 45°   | 940.4  | 913.0  | 892.1  | 871.2  | 864.0  | 857.0  | 871.3  | 885.7  | 913.1  | 943.9  |
| 920.5  | 47.5° | 893.4  | 866.4  | 845.9  | 825.4  | 818.8  | 812.2  | 824.3  | 836.3  | 859.9  | 899.6  |
| 879.3  | 50°   | 855.0  | 830.8  | 811.5  | 792.2  | 781.8  | 771.5  | 782.1  | 792.8  | 820.2  | 872.4  |
| 851.0  | 52.5° | 828.3  | 805.7  | 788.1  | 770.4  | 754.9  | 739.3  | 749.8  | 760.4  | 798.7  | 858.7  |
| 831.6  | 55°   | 811.8  | 792.0  | 772.9  | 753.9  | 731.8  | 709.8  | 726.4  | 743.2  | 800.8  | 856.6  |
| 815.6  | 57.5° | 796.0  | 776.4  | 754.0  | 731.6  | 707.8  | 684.1  | 708.5  | 732.8  | 803.0  | 852.2  |
| 792.8  | 60°   | 772.9  | 753.0  | 727.3  | 701.6  | 680.8  | 659.9  | 691.5  | 723.1  | 796.2  | 828.7  |
| 761.7  | 62.5° | 740.5  | 719.3  | 689.3  | 659.3  | 646.1  | 632.8  | 672.3  | 711.8  | 779.6  | 783.6  |
| 719.0  | 65°   | 698.7  | 678.4  | 646.2  | 614.1  | 609.0  | 603.9  | 645.9  | 687.9  | 739.6  | 739.1  |
| 670.1  | 67.5° | 650.9  | 631.6  | 601.9  | 572.2  | 573.8  | 575.4  | 610.4  | 645.3  | 674.4  | 675.7  |
| 615.9  | 70°   | 599.3  | 582.7  | 556.6  | 530.5  | 536.1  | 541.6  | 566.5  | 591.3  | 600.8  | 600.8  |
| 551.9  | 72.5° | 536.9  | 521.9  | 501.4  | 480.9  | 488.9  | 497.0  | 514.1  | 531.1  | 531.0  | 525.0  |
| 478.7  | 75°   | 465.1  | 451.5  | 436.3  | 421.0  | 428.8  | 436.6  | 449.7  | 462.8  | 465.2  | 437.4  |
| 405.8  | 77.5° | 394.1  | 382.4  | 370.0  | 357.6  | 365.5  | 373.4  | 383.9  | 394.4  | 395.6  | 349.8  |
| 325.8  | 80°   | 316.0  | 306.1  | 295.8  | 285.5  | 292.1  | 298.7  | 307.6  | 316.4  | 316.6  | 261.8  |
| 206.1  | 82.5° | 209.6  | 213.0  | 213.9  | 214.7  | 219.4  | 224.1  | 228.4  | 232.7  | 230.1  | 183.4  |
| 105.5  | 85°   | 115.1  | 124.6  | 129.1  | 133.5  | 138.8  | 144.0  | 148.6  | 153.2  | 149.8  | 115.1  |
| 47.1   | 87.5° | 54.4   | 61.7   | 61.8   | 62.0   | 63.0   | 64.0   | 65.8   | 67.7   | 63.4   | 48.9   |
| 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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| 1603.5 | 0°    | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 | 1603.5 |
| 1628.0 | 2.5°  | 1641.5 | 1655.7 | 1669.8 | 1683.8 | 1697.9 | 1711.2 | 1724.4 |
| 1651.5 | 5°    | 1678.9 | 1708.2 | 1737.5 | 1766.6 | 1795.8 | 1825.0 | 1854.2 |
| 1674.2 | 7.5°  | 1712.4 | 1755.8 | 1799.2 | 1843.7 | 1888.3 | 1936.4 | 1984.7 |
| 1694.4 | 10°   | 1739.6 | 1792.3 | 1845.0 | 1903.8 | 1962.7 | 2023.7 | 2084.7 |
| 1703.1 | 12.5° | 1754.2 | 1816.4 | 1878.5 | 1945.2 | 2011.9 | 2078.9 | 2145.9 |
| 1696.4 | 15°   | 1755.6 | 1827.2 | 1898.7 | 1971.1 | 2043.4 | 2113.3 | 2183.1 |
| 1667.2 | 17.5° | 1738.4 | 1821.4 | 1904.5 | 1983.4 | 2062.4 | 2133.2 | 2204.0 |
| 1616.8 | 20°   | 1705.0 | 1805.7 | 1906.3 | 1993.1 | 2079.9 | 2153.5 | 2227.1 |
| 1557.6 | 22.5° | 1663.9 | 1786.4 | 1908.8 | 2006.1 | 2103.4 | 2178.7 | 2253.9 |
| 1491.6 | 25°   | 1616.1 | 1767.3 | 1918.5 | 2029.8 | 2141.0 | 2214.6 | 2288.3 |
| 1431.3 | 27.5° | 1570.3 | 1754.5 | 1938.8 | 2066.7 | 2194.5 | 2264.8 | 2335.1 |
| 1380.8 | 30°   | 1530.4 | 1748.6 | 1966.6 | 2114.5 | 2262.4 | 2330.2 | 2398.2 |
| 1337.3 | 32.5° | 1491.6 | 1741.2 | 1990.6 | 2164.4 | 2338.2 | 2405.4 | 2472.6 |
| 1294.5 | 35°   | 1446.5 | 1727.3 | 2008.2 | 2221.3 | 2434.3 | 2498.7 | 2563.1 |
| 1244.2 | 37.5° | 1388.3 | 1703.5 | 2018.7 | 2284.9 | 2551.2 | 2633.3 | 2715.3 |
| 1184.2 | 40°   | 1316.1 | 1670.7 | 2025.3 | 2365.8 | 2706.2 | 2825.9 | 2945.5 |
| 1117.9 | 42.5° | 1236.0 | 1636.8 | 2037.8 | 2471.6 | 2905.4 | 3078.0 | 3250.7 |
| 1047.5 | 45°   | 1151.1 | 1605.4 | 2059.7 | 2610.7 | 3161.8 | 3394.6 | 3627.5 |
| 991.8  | 47.5° | 1084.0 | 1579.4 | 2074.8 | 2759.0 | 3443.3 | 3771.1 | 4098.9 |
| 954.8  | 50°   | 1037.3 | 1551.1 | 2065.0 | 2896.6 | 3728.3 | 4222.5 | 4716.6 |
| 930.5  | 52.5° | 1002.3 | 1503.3 | 2004.4 | 2986.0 | 3967.5 | 4696.6 | 5425.8 |
| 912.8  | 55°   | 969.0  | 1424.1 | 1879.1 | 2966.3 | 4053.3 | 5117.0 | 6180.8 |
| 891.9  | 57.5° | 931.6  | 1312.3 | 1693.0 | 2827.7 | 3962.4 | 5414.9 | 6867.4 |
| 859.9  | 60°   | 891.1  | 1167.2 | 1443.4 | 2569.8 | 3696.3 | 5489.4 | 7282.5 |
| 804.3  | 62.5° | 825.0  | 993.6  | 1162.2 | 2221.1 | 3280.1 | 5175.9 | 7071.7 |
| 748.9  | 65°   | 758.7  | 837.4  | 916.1  | 1865.4 | 2814.7 | 4732.3 | 6649.9 |
| 670.3  | 67.5° | 664.8  | 687.2  | 709.6  | 1516.9 | 2324.1 | 4204.4 | 6084.8 |
| 575.6  | 70°   | 550.2  | 543.9  | 537.5  | 1194.3 | 1851.1 | 3628.5 | 5405.8 |
| 489.1  | 72.5° | 453.2  | 433.9  | 414.6  | 913.1  | 1411.5 | 3004.0 | 4596.6 |
| 397.1  | 75°   | 356.9  | 339.4  | 321.9  | 662.7  | 1003.4 | 2288.3 | 3573.1 |
| 310.7  | 77.5° | 271.7  | 259.7  | 247.8  | 449.1  | 650.3  | 1601.6 | 2552.9 |
| 228.8  | 80°   | 195.7  | 190.7  | 185.8  | 289.3  | 392.9  | 1031.9 | 1670.9 |
| 159.0  | 82.5° | 134.6  | 133.6  | 132.8  | 177.9  | 223.2  | 597.2  | 971.3  |
| 97.2   | 85°   | 79.4   | 79.9   | 80.3   | 95.1   | 110.0  | 268.6  | 427.3  |
| 41.6   | 87.5° | 34.3   | 34.8   | 35.2   | 39.4   | 43.7   | 88.0   | 132.3  |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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