

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: P320822

Luminaire Tested: **GAN-SA8D-830-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320822  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA8D-830-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43426 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 511  
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



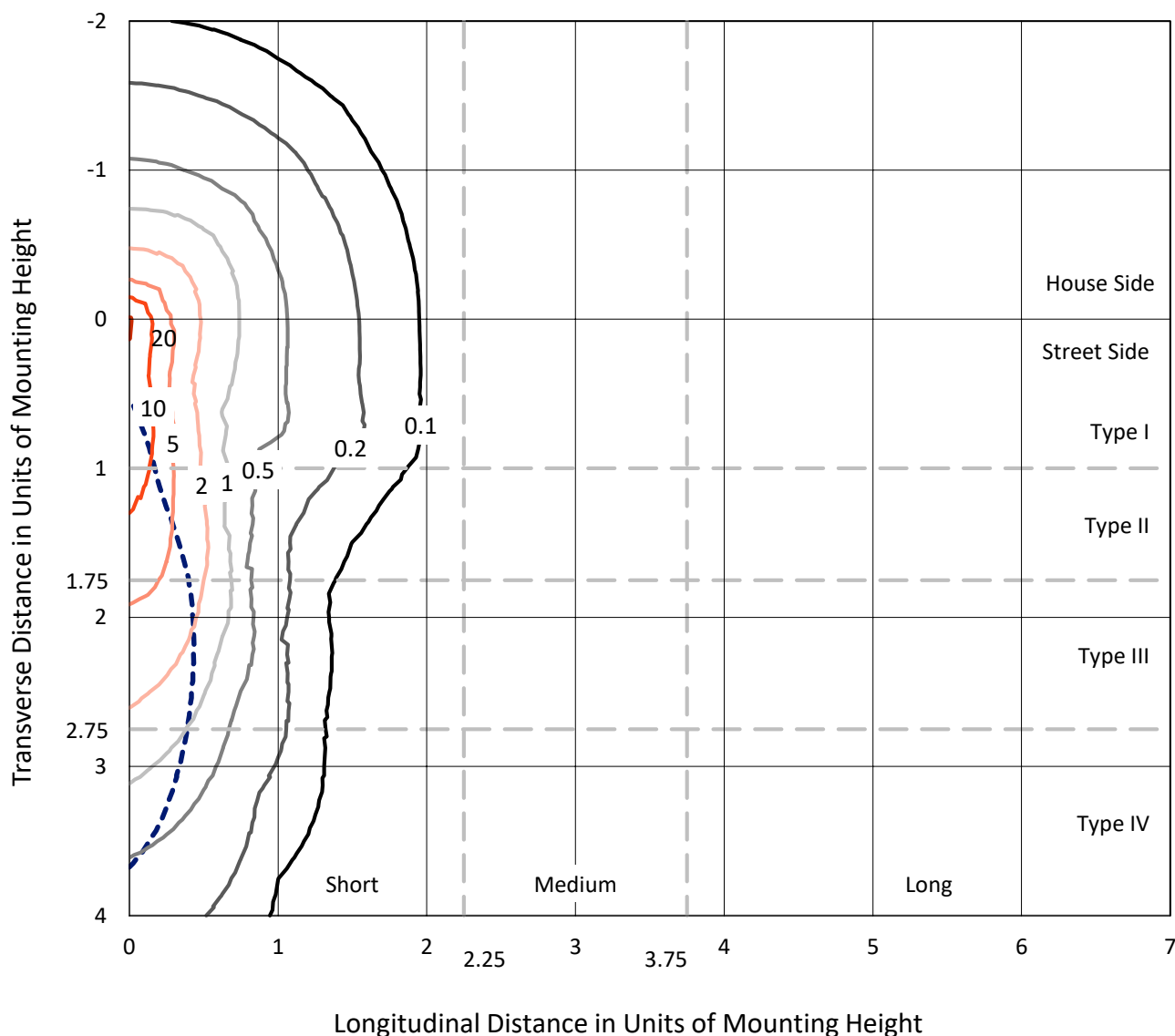
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

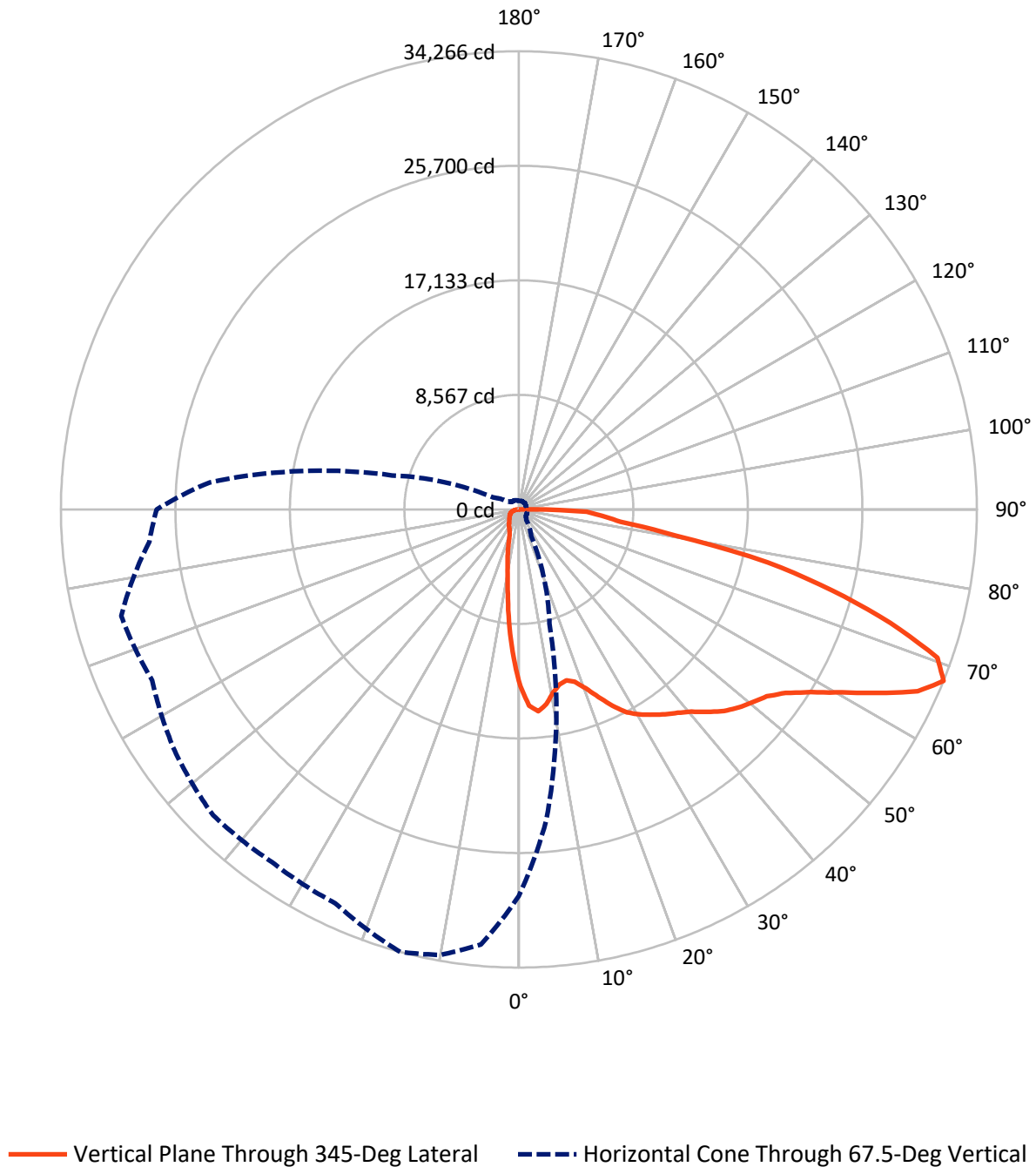
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.2 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7507.4   | 0.0    | 7507.4  |
|                    | % Fixture | 17.3     | 0.0    | 17.3    |
| <b>Street Side</b> | Lumens    | 35918.6  | 0.0    | 35918.6 |
|                    | % Fixture | 82.7     | 0.0    | 82.7    |
| <b>Total</b>       | Lumens    | 43426.0  | 0.0    | 43426.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1021.1  | 2.4       |
| 10°-20°   | 2121.1  | 4.9       |
| 20°-30°   | 3016.7  | 6.9       |
| 30°-40°   | 4347.1  | 10.0      |
| 40°-50°   | 6126.3  | 14.1      |
| 50°-60°   | 8516.6  | 19.6      |
| 60°-70°   | 10299.1 | 23.7      |
| 70°-80°   | 6330.7  | 14.6      |
| 80°-90°   | 1647.3  | 3.8       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 43426.0 | 100.0     |
| 0°-180°   | 43426.0 | 100.0     |

**Coefficient of Utilization**



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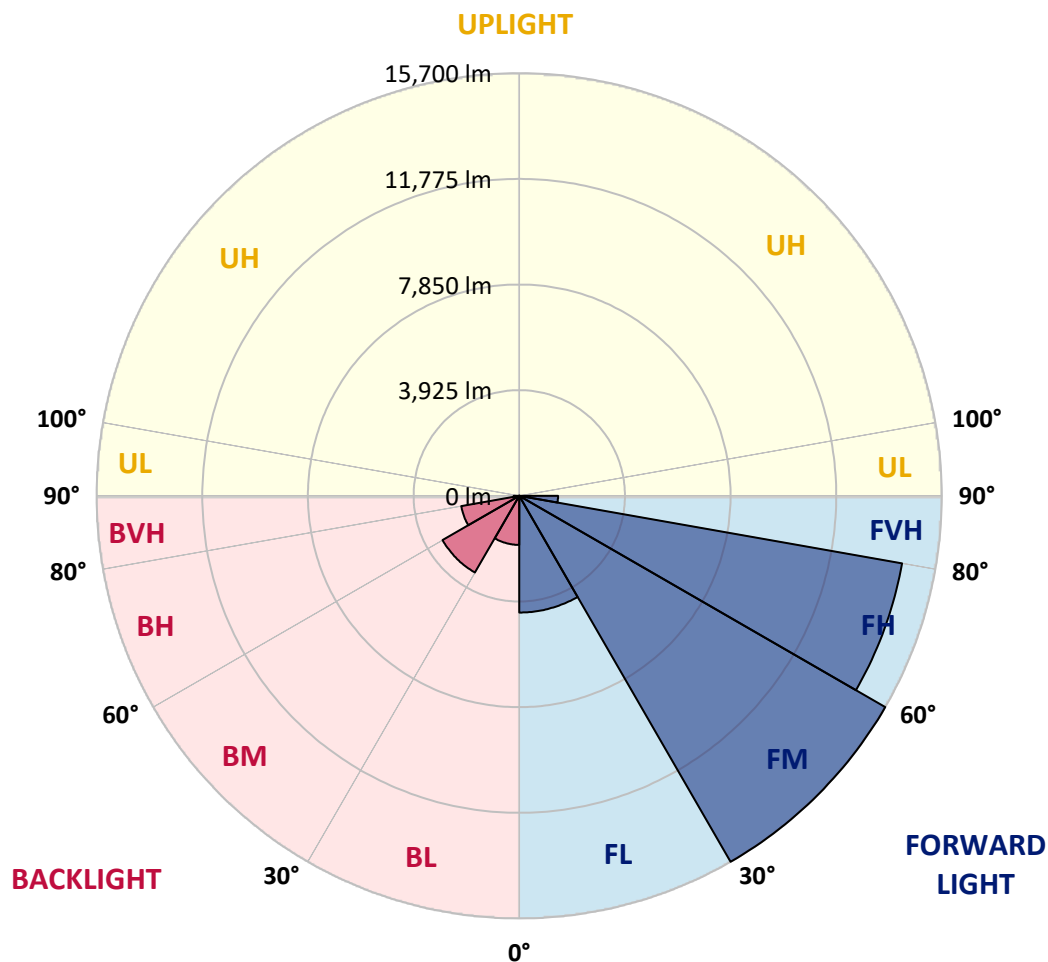
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4336.2  | 10.0      |                         |      |         |
| FM   | (30°-60°)   | 15699.6 | 36.2      |                         |      |         |
| FH   | (60°-80°)   | 14442.0 | 33.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 1440.8  | 3.3       |                         |      | G5      |
| BL   | (0°-30°)    | 1822.7  | 4.2       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3290.4  | 7.6       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2187.8  | 5.0       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 206.5   | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 |
| 2.5°   | 14172.8 | 14047.8 | 13858.5 | 13669.3 | 13528.7 | 13386.3 | 13224.8 | 13063.4 | 12879.3 | 12693.5 | 12584.2 |
| 5°     | 13938.4 | 13591.2 | 13139.7 | 12688.3 | 12389.7 | 12091.1 | 11752.5 | 11413.9 | 11078.8 | 10743.8 | 10563.2 |
| 7.5°   | 12882.8 | 12361.9 | 11775.1 | 11188.2 | 10754.2 | 10318.4 | 9849.6  | 9379.1  | 8962.4  | 8544.0  | 8285.3  |
| 10°    | 11844.5 | 11219.5 | 10545.8 | 9870.4  | 9314.8  | 8759.3  | 8288.7  | 7816.5  | 7502.2  | 7188.0  | 6950.1  |
| 12.5°  | 11099.7 | 10406.9 | 9665.6  | 8922.5  | 8366.9  | 7811.3  | 7512.6  | 7214.0  | 6953.6  | 6693.1  | 6418.8  |
| 15°    | 10804.5 | 10021.5 | 9262.8  | 8502.3  | 7997.1  | 7491.8  | 7160.2  | 6826.8  | 6477.9  | 6127.1  | 5790.3  |
| 17.5°  | 11065.0 | 10148.2 | 9323.5  | 8498.8  | 7837.3  | 7175.8  | 6712.2  | 6246.9  | 5786.8  | 5326.7  | 4936.1  |
| 20°    | 11877.5 | 10707.3 | 9629.1  | 8549.2  | 7668.9  | 6788.6  | 6167.1  | 5543.8  | 4953.4  | 4363.1  | 3920.4  |
| 22.5°  | 13018.2 | 11469.5 | 10061.4 | 8653.3  | 7516.1  | 6377.2  | 5597.6  | 4816.3  | 4118.3  | 3420.4  | 2986.3  |
| 25°    | 14403.7 | 12480.0 | 10684.7 | 8887.7  | 7453.6  | 6017.8  | 5059.4  | 4101.0  | 3364.8  | 2626.9  | 2317.9  |
| 27.5°  | 15863.9 | 13684.9 | 11459.1 | 9231.5  | 7464.0  | 5696.6  | 4606.2  | 3514.1  | 2850.9  | 2187.6  | 1975.8  |
| 30°    | 17081.0 | 15061.7 | 12361.9 | 9660.4  | 7504.0  | 5347.6  | 4179.1  | 3010.6  | 2463.7  | 1916.8  | 1779.6  |
| 32.5°  | 18193.9 | 16021.9 | 13042.5 | 10061.4 | 7549.1  | 5035.1  | 3849.2  | 2661.6  | 2215.4  | 1767.5  | 1654.6  |
| 35°    | 19343.3 | 16874.4 | 13518.2 | 10160.4 | 7471.0  | 4779.8  | 3623.5  | 2467.2  | 2055.7  | 1642.5  | 1547.0  |
| 37.5°  | 20609.0 | 17796.3 | 13976.6 | 10155.2 | 7339.0  | 4522.9  | 3448.1  | 2371.7  | 1951.5  | 1529.6  | 1460.2  |
| 40°    | 22020.5 | 18815.5 | 14473.2 | 10130.9 | 7219.2  | 4305.8  | 3317.9  | 2328.3  | 1894.2  | 1458.4  | 1399.4  |
| 42.5°  | 23400.8 | 19787.8 | 14935.0 | 10082.3 | 7122.0  | 4160.0  | 3189.4  | 2218.9  | 1842.1  | 1463.6  | 1380.3  |
| 45°    | 24437.4 | 20636.8 | 15336.1 | 10033.6 | 7049.1  | 4064.5  | 3088.7  | 2113.0  | 1793.5  | 1474.1  | 1368.1  |
| 47.5°  | 25223.9 | 21489.3 | 15780.5 | 10070.1 | 7042.1  | 4014.2  | 3017.6  | 2021.0  | 1701.5  | 1380.3  | 1336.9  |
| 50°    | 26223.9 | 22513.6 | 16428.2 | 10342.7 | 7137.6  | 3932.5  | 2934.2  | 1934.2  | 1613.0  | 1291.8  | 1350.8  |
| 52.5°  | 27468.8 | 23975.5 | 17431.7 | 10886.1 | 7337.3  | 3788.4  | 2802.3  | 1816.1  | 1505.3  | 1192.8  | 1284.8  |
| 55°    | 29297.1 | 25848.9 | 18714.8 | 11578.9 | 7578.6  | 3576.6  | 2602.6  | 1626.8  | 1362.9  | 1097.3  | 1178.9  |
| 57.5°  | 30937.8 | 27741.4 | 19945.7 | 12148.4 | 7729.7  | 3309.2  | 2350.8  | 1392.5  | 1203.2  | 1014.0  | 1060.8  |
| 60°    | 31668.7 | 28717.2 | 20522.2 | 12325.5 | 7639.4  | 2953.3  | 2067.8  | 1180.6  | 1062.6  | 944.5   | 935.8   |
| 62.5°  | 31384.0 | 28097.3 | 19954.4 | 11811.5 | 7198.4  | 2585.2  | 1817.8  | 1050.4  | 961.9   | 871.6   | 852.5   |
| 65°    | 30550.6 | 26149.3 | 18364.0 | 10578.8 | 6453.5  | 2328.3  | 1659.8  | 991.4   | 892.4   | 793.5   | 772.6   |
| 67.5°  | 28908.1 | 23376.5 | 16110.4 | 8844.3  | 5507.3  | 2170.3  | 1569.5  | 968.8   | 849.0   | 727.5   | 703.2   |
| 70°    | 25960.0 | 20039.5 | 13514.8 | 6988.3  | 4531.5  | 2073.1  | 1510.5  | 948.0   | 802.1   | 654.6   | 632.0   |
| 72.5°  | 21322.6 | 16067.0 | 10792.4 | 5516.0  | 3788.4  | 2060.9  | 1503.6  | 946.2   | 763.9   | 581.6   | 560.8   |
| 75°    | 15266.6 | 12203.9 | 8238.4  | 4271.1  | 3102.6  | 1934.2  | 1427.2  | 920.2   | 711.9   | 501.8   | 482.7   |
| 77.5°  | 10273.2 | 8446.7  | 5726.1  | 3003.7  | 2302.2  | 1600.8  | 1199.7  | 798.7   | 609.4   | 420.2   | 401.1   |
| 80°    | 6597.7  | 5845.9  | 3837.1  | 1828.2  | 1493.2  | 1158.1  | 857.7   | 557.3   | 444.5   | 329.9   | 314.3   |
| 82.5°  | 4840.6  | 4351.0  | 2666.8  | 982.7   | 829.9   | 675.4   | 524.3   | 373.3   | 303.8   | 234.4   | 227.4   |
| 85°    | 3076.6  | 3392.6  | 1963.7  | 534.8   | 437.5   | 340.3   | 281.3   | 222.2   | 175.4   | 128.5   | 128.5   |
| 87.5°  | 597.3   | 826.4   | 543.4   | 258.7   | 189.2   | 119.8   | 102.4   | 83.3    | 46.9    | 8.7     | 10.4    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 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):**

|        | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 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°     | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 |
| 2.5°   | 12473.0 | 12353.2 | 12233.4 | 12098.0 | 11960.9 | 11834.1 | 11705.6 | 11565.0 | 11591.0 | 11483.4 | 11375.7 |
| 5°     | 10382.6 | 10191.6 | 9998.9  | 9832.2  | 9665.6  | 9521.5  | 9375.6  | 9245.4  | 9358.3  | 9281.9  | 9205.5  |
| 7.5°   | 8024.8  | 7788.7  | 7550.8  | 7351.2  | 7151.5  | 6997.0  | 6840.7  | 6733.1  | 6844.2  | 6830.3  | 6816.4  |
| 10°    | 6712.2  | 6483.1  | 6252.1  | 6031.6  | 5811.1  | 5623.6  | 5434.4  | 5274.7  | 5246.9  | 5167.0  | 5085.4  |
| 12.5°  | 6142.8  | 5828.5  | 5512.5  | 5281.6  | 5050.7  | 4826.7  | 4602.7  | 4415.2  | 4330.1  | 4198.2  | 4064.5  |
| 15°    | 5453.5  | 5081.9  | 4710.4  | 4448.2  | 4184.3  | 3967.3  | 3748.5  | 3587.0  | 3533.2  | 3430.8  | 3328.3  |
| 17.5°  | 4545.4  | 4139.2  | 3732.9  | 3467.2  | 3199.9  | 3026.2  | 2850.9  | 2743.2  | 2743.2  | 2713.7  | 2684.2  |
| 20°    | 3477.7  | 3114.8  | 2751.9  | 2548.8  | 2345.6  | 2253.6  | 2159.9  | 2114.7  | 2128.6  | 2130.3  | 2130.3  |
| 22.5°  | 2550.5  | 2328.3  | 2106.0  | 2024.4  | 1941.1  | 1908.1  | 1875.1  | 1856.0  | 1863.0  | 1864.7  | 1866.4  |
| 25°    | 2008.8  | 1923.7  | 1836.9  | 1795.3  | 1751.9  | 1731.0  | 1710.2  | 1703.2  | 1718.9  | 1720.6  | 1720.6  |
| 27.5°  | 1764.0  | 1711.9  | 1658.1  | 1632.1  | 1604.3  | 1595.6  | 1586.9  | 1574.8  | 1590.4  | 1590.4  | 1588.6  |
| 30°    | 1640.7  | 1585.2  | 1529.6  | 1496.6  | 1463.6  | 1467.1  | 1468.8  | 1465.4  | 1475.8  | 1482.7  | 1487.9  |
| 32.5°  | 1540.0  | 1486.2  | 1432.4  | 1399.4  | 1364.7  | 1359.5  | 1354.3  | 1350.8  | 1373.4  | 1385.5  | 1397.7  |
| 35°    | 1449.7  | 1390.7  | 1331.7  | 1300.4  | 1269.2  | 1257.0  | 1244.9  | 1236.2  | 1257.0  | 1272.7  | 1288.3  |
| 37.5°  | 1389.0  | 1328.2  | 1265.7  | 1236.2  | 1204.9  | 1189.3  | 1173.7  | 1163.3  | 1172.0  | 1178.9  | 1185.8  |
| 40°    | 1340.4  | 1277.9  | 1213.6  | 1178.9  | 1144.2  | 1128.5  | 1112.9  | 1104.2  | 1109.4  | 1111.2  | 1112.9  |
| 42.5°  | 1295.2  | 1234.5  | 1173.7  | 1135.5  | 1095.6  | 1076.5  | 1057.4  | 1046.9  | 1050.4  | 1053.9  | 1055.6  |
| 45°    | 1262.2  | 1201.5  | 1139.0  | 1093.8  | 1046.9  | 1026.1  | 1005.3  | 993.1   | 994.9   | 994.9   | 994.9   |
| 47.5°  | 1293.5  | 1204.9  | 1114.7  | 1062.6  | 1008.7  | 984.4   | 960.1   | 948.0   | 944.5   | 941.0   | 937.6   |
| 50°    | 1408.1  | 1257.0  | 1104.2  | 1038.3  | 970.5   | 944.5   | 916.7   | 902.8   | 894.2   | 890.7   | 887.2   |
| 52.5°  | 1375.1  | 1244.9  | 1112.9  | 1027.8  | 941.0   | 909.8   | 878.5   | 856.0   | 847.3   | 842.1   | 836.9   |
| 55°    | 1258.8  | 1177.2  | 1093.8  | 991.4   | 888.9   | 861.2   | 831.7   | 816.0   | 800.4   | 796.9   | 793.5   |
| 57.5°  | 1106.0  | 1073.0  | 1040.0  | 935.8   | 831.7   | 805.6   | 777.8   | 767.4   | 753.5   | 753.5   | 751.8   |
| 60°    | 925.4   | 974.0   | 1022.6  | 902.8   | 781.3   | 751.8   | 722.3   | 713.6   | 708.4   | 706.6   | 704.9   |
| 62.5°  | 831.7   | 911.5   | 989.6   | 862.9   | 734.4   | 703.2   | 671.9   | 661.5   | 659.8   | 661.5   | 661.5   |
| 65°    | 751.8   | 776.1   | 800.4   | 741.4   | 682.3   | 651.1   | 618.1   | 607.7   | 611.2   | 616.4   | 621.6   |
| 67.5°  | 678.9   | 673.7   | 668.4   | 647.6   | 625.0   | 599.0   | 571.2   | 560.8   | 562.5   | 569.5   | 576.4   |
| 70°    | 609.4   | 602.5   | 593.8   | 578.2   | 562.5   | 540.0   | 517.4   | 510.5   | 508.7   | 517.4   | 524.3   |
| 72.5°  | 540.0   | 531.3   | 520.9   | 508.7   | 494.8   | 475.7   | 456.6   | 451.4   | 453.2   | 458.4   | 463.6   |
| 75°    | 463.6   | 456.6   | 447.9   | 437.5   | 425.4   | 408.0   | 390.7   | 387.2   | 390.7   | 395.9   | 401.1   |
| 77.5°  | 380.2   | 378.5   | 375.0   | 366.3   | 357.7   | 338.6   | 317.7   | 316.0   | 321.2   | 326.4   | 329.9   |
| 80°    | 296.9   | 298.6   | 300.4   | 293.4   | 286.5   | 265.6   | 243.1   | 241.3   | 246.5   | 251.8   | 257.0   |
| 82.5°  | 218.8   | 224.0   | 227.4   | 218.8   | 210.1   | 185.8   | 161.5   | 158.0   | 175.4   | 180.6   | 185.8   |
| 85°    | 126.7   | 133.7   | 140.6   | 133.7   | 126.7   | 102.4   | 78.1    | 76.4    | 92.0    | 100.7   | 109.4   |
| 87.5°  | 10.4    | 13.9    | 17.4    | 15.6    | 13.9    | 6.9     | 0.0     | 0.0     | 1.7     | 8.7     | 15.6    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320822

CATALOG NUMBER: GAN-SA8D-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |



REPORT NUMBER: P320822

CATALOG NUMBER: GAN-SA8D-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110°    | 115°    | 120°    | 125°    | 130°    | 135°    | 140°    | 145°    | 150°    | 155°    | 160°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 |
| 2.5°   | 11308.0 | 11240.3 | 11219.5 | 11198.6 | 11122.3 | 11044.1 | 11124.0 | 11202.1 | 11235.1 | 11268.1 | 11183.0 |
| 5°     | 9195.0  | 9182.9  | 9182.9  | 9181.2  | 9111.7  | 9040.5  | 9094.3  | 9146.4  | 9030.1  | 8913.8  | 8901.6  |
| 7.5°   | 6891.1  | 6965.7  | 7026.5  | 7085.5  | 7063.0  | 7040.4  | 7090.7  | 7141.1  | 6993.5  | 6844.2  | 6771.3  |
| 10°    | 5102.8  | 5118.4  | 5184.4  | 5250.3  | 5266.0  | 5279.9  | 5342.4  | 5403.1  | 5288.5  | 5173.9  | 5123.6  |
| 12.5°  | 3981.2  | 3897.8  | 3906.5  | 3913.5  | 3944.7  | 3974.2  | 4040.2  | 4104.4  | 4057.6  | 4008.9  | 4014.2  |
| 15°    | 3224.2  | 3118.3  | 3074.9  | 3029.7  | 3064.4  | 3099.2  | 3146.0  | 3191.2  | 3192.9  | 3192.9  | 3238.1  |
| 17.5°  | 2632.1  | 2578.3  | 2534.9  | 2489.7  | 2536.6  | 2581.8  | 2587.0  | 2592.2  | 2593.9  | 2595.7  | 2592.2  |
| 20°    | 2156.4  | 2182.4  | 2168.5  | 2154.7  | 2172.0  | 2187.6  | 2201.5  | 2213.7  | 2198.1  | 2180.7  | 2137.3  |
| 22.5°  | 1890.7  | 1913.3  | 1930.7  | 1946.3  | 1975.8  | 2003.6  | 1989.7  | 1974.1  | 1942.8  | 1909.8  | 1876.9  |
| 25°    | 1736.2  | 1751.9  | 1769.2  | 1786.6  | 1810.9  | 1833.5  | 1809.1  | 1784.8  | 1762.3  | 1739.7  | 1717.1  |
| 27.5°  | 1606.0  | 1621.6  | 1637.3  | 1651.1  | 1673.7  | 1694.6  | 1672.0  | 1649.4  | 1630.3  | 1611.2  | 1593.9  |
| 30°    | 1500.1  | 1510.5  | 1522.7  | 1534.8  | 1555.7  | 1574.8  | 1555.7  | 1534.8  | 1520.9  | 1505.3  | 1493.2  |
| 32.5°  | 1409.8  | 1420.2  | 1425.4  | 1430.6  | 1449.7  | 1468.8  | 1455.0  | 1441.1  | 1428.9  | 1416.8  | 1408.1  |
| 35°    | 1310.8  | 1331.7  | 1335.2  | 1338.6  | 1357.7  | 1376.8  | 1368.1  | 1357.7  | 1343.8  | 1329.9  | 1314.3  |
| 37.5°  | 1210.1  | 1234.5  | 1248.3  | 1260.5  | 1279.6  | 1298.7  | 1290.0  | 1281.3  | 1262.2  | 1243.1  | 1215.4  |
| 40°    | 1125.1  | 1135.5  | 1161.5  | 1185.8  | 1217.1  | 1246.6  | 1229.2  | 1210.1  | 1180.6  | 1151.1  | 1137.2  |
| 42.5°  | 1053.9  | 1052.2  | 1076.5  | 1100.8  | 1147.6  | 1192.8  | 1161.5  | 1130.3  | 1102.5  | 1074.7  | 1071.3  |
| 45°    | 991.4   | 986.2   | 998.3   | 1010.5  | 1060.8  | 1109.4  | 1078.2  | 1045.2  | 1029.6  | 1014.0  | 1014.0  |
| 47.5°  | 935.8   | 932.4   | 941.0   | 948.0   | 979.2   | 1008.7  | 993.1   | 977.5   | 968.8   | 960.1   | 961.9   |
| 50°    | 885.5   | 882.0   | 890.7   | 897.6   | 909.8   | 920.2   | 923.7   | 925.4   | 920.2   | 915.0   | 918.5   |
| 52.5°  | 838.6   | 838.6   | 842.1   | 843.8   | 859.4   | 875.1   | 875.1   | 873.3   | 873.3   | 873.3   | 876.8   |
| 55°    | 798.7   | 802.1   | 802.1   | 802.1   | 826.4   | 849.0   | 842.1   | 835.1   | 836.9   | 836.9   | 840.3   |
| 57.5°  | 758.7   | 763.9   | 767.4   | 770.9   | 795.2   | 819.5   | 812.6   | 805.6   | 805.6   | 805.6   | 807.3   |
| 60°    | 713.6   | 720.5   | 727.5   | 734.4   | 758.7   | 783.0   | 776.1   | 767.4   | 769.1   | 770.9   | 772.6   |
| 62.5°  | 670.2   | 677.1   | 684.1   | 691.0   | 715.3   | 739.6   | 732.7   | 724.0   | 729.2   | 732.7   | 732.7   |
| 65°    | 628.5   | 633.7   | 640.7   | 647.6   | 670.2   | 692.8   | 685.8   | 678.9   | 685.8   | 691.0   | 694.5   |
| 67.5°  | 581.6   | 585.1   | 592.1   | 599.0   | 621.6   | 644.1   | 637.2   | 628.5   | 637.2   | 644.1   | 651.1   |
| 70°    | 527.8   | 531.3   | 540.0   | 546.9   | 569.5   | 592.1   | 583.4   | 574.7   | 583.4   | 592.1   | 599.0   |
| 72.5°  | 468.8   | 472.3   | 480.9   | 487.9   | 513.9   | 540.0   | 529.5   | 519.1   | 529.5   | 540.0   | 543.4   |
| 75°    | 404.5   | 408.0   | 418.4   | 427.1   | 453.2   | 479.2   | 470.5   | 460.1   | 468.8   | 477.5   | 479.2   |
| 77.5°  | 335.1   | 340.3   | 354.2   | 368.1   | 388.9   | 409.7   | 404.5   | 399.3   | 404.5   | 409.7   | 409.7   |
| 80°    | 262.2   | 267.4   | 284.7   | 300.4   | 312.5   | 324.7   | 326.4   | 328.1   | 329.9   | 331.6   | 329.9   |
| 82.5°  | 194.5   | 201.4   | 217.0   | 232.7   | 232.7   | 232.7   | 246.5   | 258.7   | 258.7   | 257.0   | 255.2   |
| 85°    | 119.8   | 128.5   | 142.4   | 156.3   | 147.6   | 138.9   | 161.5   | 182.3   | 182.3   | 180.6   | 177.1   |
| 87.5°  | 24.3    | 33.0    | 46.9    | 59.0    | 50.4    | 41.7    | 64.2    | 86.8    | 88.5    | 88.5    | 85.1    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320822

CATALOG NUMBER: GAN-SA8D-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

REPORT NUMBER: P320822

CATALOG NUMBER: GAN-SA8D-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 165°    | 170°    | 175°    | 180°    | 185°    | 190°    | 195°    | 200°    | 205°    | 210°    | 215°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 |
| 2.5°   | 11096.2 | 11231.6 | 11365.3 | 11400.1 | 11452.1 | 11474.7 | 11495.5 | 11665.7 | 11834.1 | 12032.0 | 12230.0 |
| 5°     | 8887.7  | 8988.4  | 9089.1  | 9104.8  | 9158.6  | 9186.4  | 9214.1  | 9420.8  | 9625.6  | 9901.7  | 10177.7 |
| 7.5°   | 6698.4  | 6722.7  | 6747.0  | 6743.5  | 6788.6  | 6849.4  | 6908.4  | 7128.9  | 7347.7  | 7644.6  | 7939.8  |
| 10°    | 5073.2  | 5128.8  | 5182.6  | 5233.0  | 5331.9  | 5446.5  | 5559.4  | 5785.1  | 6010.8  | 6304.2  | 6595.9  |
| 12.5°  | 4019.4  | 4083.6  | 4146.1  | 4201.7  | 4316.3  | 4469.0  | 4620.1  | 4890.9  | 5161.8  | 5512.5  | 5861.5  |
| 15°    | 3281.5  | 3276.3  | 3271.0  | 3309.2  | 3409.9  | 3576.6  | 3741.6  | 4028.0  | 4314.5  | 4700.0  | 5083.7  |
| 17.5°  | 2588.7  | 2562.7  | 2536.6  | 2566.1  | 2659.9  | 2797.1  | 2932.5  | 3175.6  | 3416.9  | 3790.2  | 4163.5  |
| 20°    | 2093.9  | 2076.5  | 2059.2  | 2086.9  | 2146.0  | 2203.3  | 2260.6  | 2435.9  | 2609.5  | 2913.4  | 3215.5  |
| 22.5°  | 1842.1  | 1840.4  | 1836.9  | 1852.6  | 1880.3  | 1909.8  | 1937.6  | 2022.7  | 2106.0  | 2302.2  | 2496.7  |
| 25°    | 1694.6  | 1692.8  | 1691.1  | 1698.0  | 1720.6  | 1743.2  | 1765.7  | 1821.3  | 1876.9  | 1970.6  | 2064.4  |
| 27.5°  | 1576.5  | 1573.0  | 1569.5  | 1571.3  | 1576.5  | 1611.2  | 1644.2  | 1670.2  | 1694.6  | 1758.8  | 1821.3  |
| 30°    | 1481.0  | 1479.3  | 1477.5  | 1477.5  | 1472.3  | 1484.5  | 1496.6  | 1536.6  | 1574.8  | 1640.7  | 1706.7  |
| 32.5°  | 1399.4  | 1390.7  | 1382.0  | 1362.9  | 1350.8  | 1368.1  | 1385.5  | 1427.2  | 1468.8  | 1529.6  | 1590.4  |
| 35°    | 1297.0  | 1274.4  | 1250.1  | 1239.7  | 1241.4  | 1258.8  | 1276.1  | 1317.8  | 1357.7  | 1423.7  | 1487.9  |
| 37.5°  | 1185.8  | 1178.9  | 1170.2  | 1168.5  | 1173.7  | 1191.1  | 1208.4  | 1244.9  | 1279.6  | 1345.6  | 1409.8  |
| 40°    | 1123.3  | 1119.9  | 1116.4  | 1112.9  | 1116.4  | 1133.8  | 1151.1  | 1185.8  | 1218.8  | 1283.1  | 1345.6  |
| 42.5°  | 1067.8  | 1066.0  | 1064.3  | 1064.3  | 1066.0  | 1085.1  | 1104.2  | 1139.0  | 1172.0  | 1229.2  | 1286.5  |
| 45°    | 1014.0  | 1015.7  | 1015.7  | 1019.2  | 1024.4  | 1043.5  | 1060.8  | 1099.0  | 1137.2  | 1192.8  | 1248.3  |
| 47.5°  | 963.6   | 968.8   | 972.3   | 981.0   | 986.2   | 1007.0  | 1026.1  | 1067.8  | 1109.4  | 1178.9  | 1246.6  |
| 50°    | 920.2   | 925.4   | 928.9   | 935.8   | 949.7   | 974.0   | 998.3   | 1048.7  | 1097.3  | 1213.6  | 1328.2  |
| 52.5°  | 880.3   | 885.5   | 890.7   | 897.6   | 915.0   | 942.8   | 970.5   | 1033.1  | 1093.8  | 1229.2  | 1364.7  |
| 55°    | 843.8   | 849.0   | 852.5   | 862.9   | 880.3   | 904.6   | 927.1   | 1003.5  | 1079.9  | 1178.9  | 1277.9  |
| 57.5°  | 809.1   | 814.3   | 817.8   | 824.7   | 833.4   | 859.4   | 883.7   | 965.3   | 1046.9  | 1116.4  | 1184.1  |
| 60°    | 772.6   | 776.1   | 777.8   | 777.8   | 784.8   | 814.3   | 843.8   | 948.0   | 1050.4  | 1038.3  | 1024.4  |
| 62.5°  | 732.7   | 736.2   | 737.9   | 732.7   | 741.4   | 772.6   | 803.9   | 939.3   | 1074.7  | 991.4   | 908.0   |
| 65°    | 696.2   | 694.5   | 692.8   | 687.5   | 698.0   | 729.2   | 758.7   | 826.4   | 894.2   | 861.2   | 828.2   |
| 67.5°  | 656.3   | 651.1   | 645.9   | 638.9   | 649.3   | 677.1   | 703.2   | 725.7   | 748.3   | 751.8   | 755.3   |
| 70°    | 605.9   | 599.0   | 592.1   | 590.3   | 595.5   | 618.1   | 640.7   | 656.3   | 670.2   | 677.1   | 682.3   |
| 72.5°  | 546.9   | 541.7   | 536.5   | 533.0   | 534.8   | 553.9   | 571.2   | 585.1   | 599.0   | 604.2   | 607.7   |
| 75°    | 480.9   | 480.9   | 479.2   | 468.8   | 468.8   | 484.4   | 498.3   | 510.5   | 522.6   | 529.5   | 536.5   |
| 77.5°  | 409.7   | 411.5   | 411.5   | 397.6   | 395.9   | 411.5   | 425.4   | 435.8   | 444.5   | 451.4   | 456.6   |
| 80°    | 328.1   | 324.7   | 321.2   | 312.5   | 309.0   | 328.1   | 345.5   | 354.2   | 361.1   | 362.9   | 362.9   |
| 82.5°  | 251.8   | 244.8   | 236.1   | 217.0   | 218.8   | 239.6   | 258.7   | 265.6   | 272.6   | 272.6   | 272.6   |
| 85°    | 171.9   | 158.0   | 142.4   | 126.7   | 128.5   | 151.1   | 171.9   | 178.8   | 185.8   | 189.2   | 191.0   |
| 87.5°  | 81.6    | 67.7    | 52.1    | 39.9    | 39.9    | 59.0    | 76.4    | 79.9    | 83.3    | 90.3    | 97.2    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 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: GAN-SA8D-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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: GAN-SA8D-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 220°    | 225°    | 230°    | 235°    | 240°    | 245°    | 250°    | 255°    | 260°    | 265°    | 270°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 |
| 2.5°   | 12381.0 | 12530.3 | 12684.9 | 12839.4 | 13016.5 | 13193.6 | 13400.2 | 13605.1 | 13780.4 | 13955.8 | 14101.6 |
| 5°     | 10415.6 | 10653.5 | 10933.0 | 11212.5 | 11568.5 | 11924.4 | 12360.2 | 12794.2 | 13181.4 | 13568.6 | 14018.3 |
| 7.5°   | 8250.5  | 8559.6  | 8924.2  | 9288.8  | 9748.9  | 10209.0 | 10773.3 | 11337.5 | 11884.5 | 12429.6 | 13120.6 |
| 10°    | 6920.6  | 7245.3  | 7604.7  | 7962.3  | 8431.1  | 8898.2  | 9495.4  | 10090.9 | 10705.6 | 11318.4 | 12099.7 |
| 12.5°  | 6222.6  | 6582.0  | 6898.0  | 7214.0  | 7594.2  | 7972.7  | 8550.9  | 9129.1  | 9851.3  | 10571.9 | 11323.7 |
| 15°    | 5477.8  | 5870.2  | 6248.7  | 6627.2  | 7042.1  | 7455.3  | 8017.9  | 8580.4  | 9370.4  | 10160.4 | 11025.0 |
| 17.5°  | 4576.7  | 4989.9  | 5451.7  | 5911.8  | 6453.5  | 6993.5  | 7714.0  | 8434.6  | 9370.4  | 10304.5 | 11323.7 |
| 20°    | 3637.4  | 4059.3  | 4611.4  | 5163.5  | 5837.2  | 6509.1  | 7443.2  | 8377.3  | 9637.8  | 10896.5 | 12197.0 |
| 22.5°  | 2870.0  | 3241.5  | 3844.0  | 4444.7  | 5222.6  | 6000.4  | 7198.4  | 8394.6  | 10042.3 | 11688.3 | 13443.6 |
| 25°    | 2326.5  | 2588.7  | 3180.8  | 3771.1  | 4668.7  | 5566.3  | 7049.1  | 8530.1  | 10630.9 | 12730.0 | 14907.2 |
| 27.5°  | 1993.2  | 2165.1  | 2717.2  | 3267.6  | 4248.5  | 5227.8  | 6988.3  | 8747.1  | 11377.5 | 14007.9 | 16499.3 |
| 30°    | 1826.5  | 1946.3  | 2413.4  | 2878.7  | 3875.3  | 4871.8  | 6915.4  | 8958.9  | 12096.3 | 15231.9 | 17744.2 |
| 32.5°  | 1687.6  | 1783.1  | 2182.4  | 2580.0  | 3552.3  | 4524.6  | 6774.7  | 9023.2  | 12598.0 | 16172.9 | 18798.1 |
| 35°    | 1569.5  | 1649.4  | 1996.7  | 2343.9  | 3298.8  | 4253.8  | 6538.6  | 8823.5  | 12912.3 | 17001.1 | 19895.4 |
| 37.5°  | 1474.1  | 1536.6  | 1857.8  | 2179.0  | 3080.1  | 3981.2  | 6269.5  | 8557.9  | 13191.8 | 17825.8 | 21129.9 |
| 40°    | 1399.4  | 1453.2  | 1753.6  | 2054.0  | 2871.7  | 3689.5  | 6038.6  | 8386.0  | 13577.3 | 18768.6 | 22433.8 |
| 42.5°  | 1357.7  | 1427.2  | 1663.3  | 1897.7  | 2673.8  | 3449.9  | 5852.8  | 8255.7  | 13934.9 | 19612.4 | 23574.5 |
| 45°    | 1347.3  | 1446.3  | 1616.4  | 1786.6  | 2526.2  | 3265.8  | 5687.9  | 8108.2  | 14165.9 | 20223.5 | 24433.9 |
| 47.5°  | 1329.9  | 1411.6  | 1580.0  | 1748.4  | 2453.3  | 3156.5  | 5599.3  | 8040.5  | 14396.8 | 20751.4 | 25147.5 |
| 50°    | 1340.4  | 1350.8  | 1550.4  | 1748.4  | 2442.9  | 3137.4  | 5700.0  | 8262.7  | 14896.8 | 21529.2 | 25963.5 |
| 52.5°  | 1321.3  | 1276.1  | 1494.9  | 1713.7  | 2441.1  | 3168.6  | 5990.0  | 8811.3  | 15825.7 | 22838.3 | 26847.2 |
| 55°    | 1220.6  | 1161.5  | 1390.7  | 1619.9  | 2404.7  | 3187.7  | 6335.5  | 9481.5  | 17072.3 | 24661.3 | 28435.9 |
| 57.5°  | 1132.0  | 1078.2  | 1272.7  | 1465.4  | 2293.6  | 3121.7  | 6691.4  | 10259.4 | 18390.1 | 26519.1 | 30225.9 |
| 60°    | 1014.0  | 1001.8  | 1140.7  | 1279.6  | 2121.7  | 2962.0  | 6984.8  | 11005.9 | 19275.6 | 27543.5 | 30915.2 |
| 62.5°  | 916.7   | 923.7   | 1026.1  | 1128.5  | 1906.4  | 2682.5  | 7082.1  | 11479.9 | 19251.3 | 27022.6 | 30220.7 |
| 65°    | 842.1   | 854.2   | 954.9   | 1055.6  | 1722.3  | 2389.0  | 6762.6  | 11134.4 | 18277.2 | 25418.3 | 28847.4 |
| 67.5°  | 769.1   | 783.0   | 902.8   | 1020.9  | 1559.1  | 2095.6  | 5963.9  | 9830.5  | 16525.4 | 23218.5 | 27100.7 |
| 70°    | 699.7   | 717.1   | 847.3   | 977.5   | 1441.1  | 1902.9  | 4934.4  | 7965.8  | 14332.5 | 20697.5 | 25078.0 |
| 72.5°  | 625.0   | 642.4   | 781.3   | 920.2   | 1366.4  | 1810.9  | 4022.8  | 6233.0  | 11631.0 | 17027.2 | 21451.1 |
| 75°    | 548.6   | 560.8   | 711.9   | 861.2   | 1264.0  | 1666.8  | 3156.5  | 4644.4  | 8901.6  | 13158.8 | 16202.4 |
| 77.5°  | 472.3   | 487.9   | 614.6   | 739.6   | 1073.0  | 1404.6  | 2378.6  | 3352.6  | 6531.7  | 9709.0  | 11268.1 |
| 80°    | 376.8   | 390.7   | 480.9   | 569.5   | 828.2   | 1085.1  | 1635.5  | 2185.9  | 4495.1  | 6804.3  | 7682.8  |
| 82.5°  | 288.2   | 303.8   | 364.6   | 423.6   | 590.3   | 757.0   | 991.4   | 1225.8  | 2986.3  | 4745.1  | 4818.0  |
| 85°    | 197.9   | 203.1   | 246.5   | 288.2   | 364.6   | 441.0   | 567.7   | 694.5   | 1975.8  | 3257.2  | 2713.7  |
| 87.5°  | 99.0    | 99.0    | 128.5   | 158.0   | 196.2   | 234.4   | 300.4   | 364.6   | 632.0   | 899.4   | 517.4   |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 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: GAN-SA8D-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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: GAN-SA8D-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 |
| 2.5°   | 14287.4 | 14414.1 | 14542.6 | 14639.8 | 14738.8 | 14881.2 | 15023.6 | 15049.6 | 15077.4 | 15021.8 | 14966.3 |
| 5°     | 14471.4 | 14855.1 | 15240.6 | 15596.5 | 15952.4 | 16166.0 | 16379.5 | 16422.9 | 16466.4 | 16332.7 | 16197.2 |
| 7.5°   | 13789.1 | 14457.5 | 15126.0 | 15738.9 | 16351.8 | 16723.3 | 17096.6 | 17179.9 | 17265.0 | 17046.3 | 16827.5 |
| 10°    | 12877.6 | 13698.8 | 14520.0 | 15327.4 | 16134.7 | 16674.7 | 17214.7 | 17322.3 | 17430.0 | 17157.4 | 16884.8 |
| 12.5°  | 12172.7 | 13049.5 | 13926.3 | 14777.0 | 15629.5 | 16188.6 | 16747.6 | 16881.3 | 17015.0 | 16817.1 | 16617.4 |
| 15°    | 11955.6 | 12780.3 | 13605.1 | 14346.4 | 15089.5 | 15546.2 | 16004.5 | 16058.3 | 16113.9 | 16082.6 | 16051.4 |
| 17.5°  | 12349.8 | 13094.6 | 13841.2 | 14244.0 | 14648.5 | 14830.8 | 15014.9 | 15073.9 | 15134.7 | 15212.8 | 15292.7 |
| 20°    | 13304.7 | 13829.0 | 14355.1 | 14337.7 | 14318.6 | 14230.1 | 14139.8 | 14124.2 | 14108.6 | 14332.5 | 14558.2 |
| 22.5°  | 14730.1 | 14938.5 | 15148.6 | 14660.7 | 14172.8 | 13875.9 | 13577.3 | 13518.2 | 13457.5 | 13695.3 | 13934.9 |
| 25°    | 16277.1 | 16238.9 | 16199.0 | 15270.1 | 14339.5 | 13773.5 | 13207.5 | 13141.5 | 13075.5 | 13278.6 | 13483.5 |
| 27.5°  | 17808.5 | 17558.4 | 17308.4 | 16046.2 | 14784.0 | 13962.7 | 13141.5 | 13075.5 | 13009.5 | 13190.1 | 13370.7 |
| 30°    | 18931.8 | 18530.7 | 18129.7 | 16700.7 | 15271.8 | 14296.1 | 13320.3 | 13212.7 | 13103.3 | 13325.5 | 13547.8 |
| 32.5°  | 19808.6 | 19270.4 | 18732.1 | 17232.0 | 15731.9 | 14676.3 | 13620.7 | 13452.3 | 13283.9 | 13580.7 | 13877.6 |
| 35°    | 20683.6 | 19926.7 | 19167.9 | 17706.0 | 16242.4 | 15126.0 | 14007.9 | 13801.2 | 13594.6 | 14002.7 | 14410.7 |
| 37.5°  | 21784.4 | 20697.5 | 19608.9 | 18239.0 | 16869.2 | 15799.6 | 14728.4 | 14516.6 | 14304.8 | 14823.9 | 15344.8 |
| 40°    | 22978.9 | 21529.2 | 20079.4 | 18822.4 | 17565.4 | 16732.0 | 15896.9 | 15695.5 | 15492.3 | 16124.3 | 16756.3 |
| 42.5°  | 23972.1 | 22303.5 | 20635.0 | 19525.6 | 18414.4 | 17827.6 | 17239.0 | 17237.2 | 17233.8 | 17874.4 | 18515.1 |
| 45°    | 24779.4 | 22949.4 | 21117.7 | 20211.4 | 19303.3 | 18997.8 | 18692.2 | 18937.0 | 19181.8 | 19760.0 | 20339.9 |
| 47.5°  | 25381.9 | 23491.1 | 21598.6 | 20996.2 | 20393.7 | 20438.8 | 20484.0 | 20982.3 | 21480.6 | 21852.1 | 22225.4 |
| 50°    | 25774.3 | 23982.5 | 22189.0 | 22003.2 | 21817.4 | 22221.9 | 22628.2 | 23199.4 | 23772.4 | 24025.9 | 24279.4 |
| 52.5°  | 26345.5 | 24649.2 | 22951.2 | 23159.5 | 23367.8 | 24194.3 | 25020.7 | 25598.9 | 26177.1 | 26270.8 | 26366.3 |
| 55°    | 27666.7 | 25875.0 | 24081.4 | 24480.8 | 24881.8 | 26093.7 | 27307.3 | 27758.8 | 28210.2 | 28244.9 | 28279.6 |
| 57.5°  | 29543.6 | 27592.1 | 25640.6 | 26071.1 | 26501.7 | 27901.1 | 29302.3 | 29788.4 | 30276.3 | 30208.6 | 30139.1 |
| 60°    | 30948.2 | 29222.4 | 27494.9 | 27928.9 | 28363.0 | 29727.6 | 31092.3 | 31651.4 | 32212.2 | 32062.9 | 31913.5 |
| 62.5°  | 31035.0 | 30113.1 | 29189.4 | 29581.8 | 29975.9 | 31312.8 | 32649.7 | 33224.4 | 33799.1 | 33538.7 | 33278.2 |
| 65°    | 29654.7 | 30067.9 | 30481.2 | 30611.4 | 30741.6 | 31988.2 | 33236.5 | 33675.8 | 34116.8 | 33984.9 | 33852.9 |
| 67.5°  | 27753.6 | 29276.2 | 30800.6 | 30538.5 | 30276.3 | 30861.4 | 31446.5 | 31899.7 | 32352.8 | 32278.2 | 32201.8 |
| 70°    | 25855.9 | 27889.0 | 29922.1 | 28633.8 | 27343.8 | 27102.5 | 26861.1 | 27349.0 | 27838.6 | 27536.5 | 27232.7 |
| 72.5°  | 22624.7 | 24791.6 | 26960.1 | 24586.7 | 22213.3 | 21388.6 | 20563.8 | 21183.7 | 21803.5 | 21322.6 | 20839.9 |
| 75°    | 17759.8 | 20154.1 | 22550.1 | 19718.3 | 16886.5 | 15785.8 | 14685.0 | 15218.0 | 15751.0 | 15421.1 | 15089.5 |
| 77.5°  | 13221.4 | 15580.9 | 17940.4 | 15061.7 | 12181.4 | 11363.6 | 10544.1 | 10702.1 | 10861.8 | 10806.3 | 10749.0 |
| 80°    | 8967.6  | 10611.8 | 12257.7 | 10341.0 | 8424.2  | 8486.7  | 8550.9  | 8476.2  | 8399.9  | 8511.0  | 8622.1  |
| 82.5°  | 5722.6  | 6991.8  | 8262.7  | 7245.3  | 6227.8  | 6811.2  | 7394.6  | 7108.1  | 6819.9  | 6925.8  | 7033.4  |
| 85°    | 3265.8  | 4507.2  | 5750.4  | 5359.7  | 4967.3  | 5307.6  | 5649.7  | 5205.2  | 4760.7  | 4955.2  | 5151.4  |
| 87.5°  | 861.2   | 2493.2  | 4127.0  | 3746.8  | 3366.5  | 2925.5  | 2484.5  | 1896.0  | 1307.4  | 1909.8  | 2512.3  |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 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° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 | 13230.0 |
| 2.5°   | 14936.7 | 14907.2 | 14801.3 | 14693.7 | 14533.9 | 14402.0 | 14172.8 |
| 5°     | 16009.7 | 15822.2 | 15499.3 | 15174.6 | 14813.5 | 14398.5 | 13938.4 |
| 7.5°   | 16390.0 | 15950.7 | 15330.9 | 14709.3 | 14150.2 | 13493.9 | 12882.8 |
| 10°    | 16228.5 | 15570.5 | 14764.9 | 13957.5 | 13278.6 | 12523.4 | 11844.5 |
| 12.5°  | 15919.4 | 15219.7 | 14332.5 | 13443.6 | 12671.0 | 11860.2 | 11099.7 |
| 15°    | 15494.1 | 14935.0 | 14103.4 | 13271.7 | 12493.9 | 11705.6 | 10804.5 |
| 17.5°  | 15028.8 | 14763.1 | 14162.4 | 13559.9 | 12886.3 | 12122.3 | 11065.0 |
| 20°    | 14653.7 | 14751.0 | 14511.4 | 14271.8 | 13731.8 | 13065.1 | 11877.5 |
| 22.5°  | 14400.2 | 14867.3 | 15051.3 | 15237.1 | 14912.4 | 14391.6 | 13018.2 |
| 25°    | 14257.9 | 15032.2 | 15648.6 | 16266.7 | 16122.6 | 15721.5 | 14403.7 |
| 27.5°  | 14320.4 | 15270.1 | 16226.8 | 17185.2 | 17318.8 | 17207.7 | 15863.9 |
| 30°    | 14507.9 | 15469.8 | 16634.8 | 17801.5 | 18334.5 | 18483.8 | 17081.0 |
| 32.5°  | 14820.4 | 15763.2 | 17032.4 | 18303.3 | 19108.9 | 19584.6 | 18193.9 |
| 35°    | 15292.7 | 16174.7 | 17497.7 | 18820.7 | 19862.4 | 20730.5 | 19343.3 |
| 37.5°  | 16103.5 | 16862.2 | 18082.8 | 19305.1 | 20655.9 | 21959.8 | 20609.0 |
| 40°    | 17291.1 | 17827.6 | 18858.9 | 19891.9 | 21591.7 | 23352.2 | 22020.5 |
| 42.5°  | 18789.4 | 19065.5 | 19883.2 | 20701.0 | 22569.2 | 24616.2 | 23400.8 |
| 45°    | 20412.8 | 20485.7 | 20999.6 | 21515.3 | 23343.5 | 25477.4 | 24437.4 |
| 47.5°  | 21975.4 | 21725.4 | 21930.3 | 22135.1 | 23937.3 | 26092.0 | 25223.9 |
| 50°    | 23583.1 | 22886.9 | 22779.3 | 22671.6 | 24531.1 | 26816.0 | 26223.9 |
| 52.5°  | 25218.7 | 24071.0 | 23645.6 | 23218.5 | 25239.5 | 27776.1 | 27468.8 |
| 55°    | 26819.5 | 25359.3 | 24786.3 | 24213.4 | 26322.9 | 28948.1 | 29297.1 |
| 57.5°  | 28484.5 | 26829.9 | 26298.6 | 25767.3 | 27915.0 | 30432.5 | 30937.8 |
| 60°    | 30276.3 | 28637.3 | 28211.9 | 27784.8 | 29894.3 | 32036.8 | 31668.7 |
| 62.5°  | 31976.0 | 30673.9 | 30449.9 | 30224.2 | 31896.2 | 33269.5 | 31384.0 |
| 65°    | 33111.5 | 32368.4 | 32576.8 | 32786.9 | 33410.2 | 33576.8 | 30550.6 |
| 67.5°  | 32352.8 | 32503.9 | 33384.1 | 34266.1 | 33837.3 | 32663.6 | 28908.1 |
| 70°    | 28137.3 | 29043.6 | 31128.8 | 33215.7 | 32264.3 | 30217.3 | 25960.0 |
| 72.5°  | 21857.3 | 22876.5 | 25972.2 | 29069.6 | 28192.8 | 25685.7 | 21322.6 |
| 75°    | 16238.9 | 17390.0 | 20806.9 | 24223.8 | 23006.7 | 19213.1 | 15266.6 |
| 77.5°  | 11519.9 | 12290.7 | 15664.2 | 19039.4 | 17054.9 | 12789.0 | 10273.2 |
| 80°    | 8386.0  | 8149.8  | 10030.2 | 11910.5 | 11580.6 | 8458.9  | 6597.7  |
| 82.5°  | 6457.0  | 5880.6  | 6766.1  | 7651.5  | 7602.9  | 5870.2  | 4840.6  |
| 85°    | 4920.5  | 4689.5  | 5472.6  | 6255.6  | 5585.4  | 3976.0  | 3076.6  |
| 87.5°  | 2868.2  | 3225.9  | 4147.8  | 5071.5  | 3805.8  | 1206.7  | 597.3   |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
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