

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: P324591

Luminaire Tested: **GAN-SA7A-827-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324591  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA7A-827-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17963 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

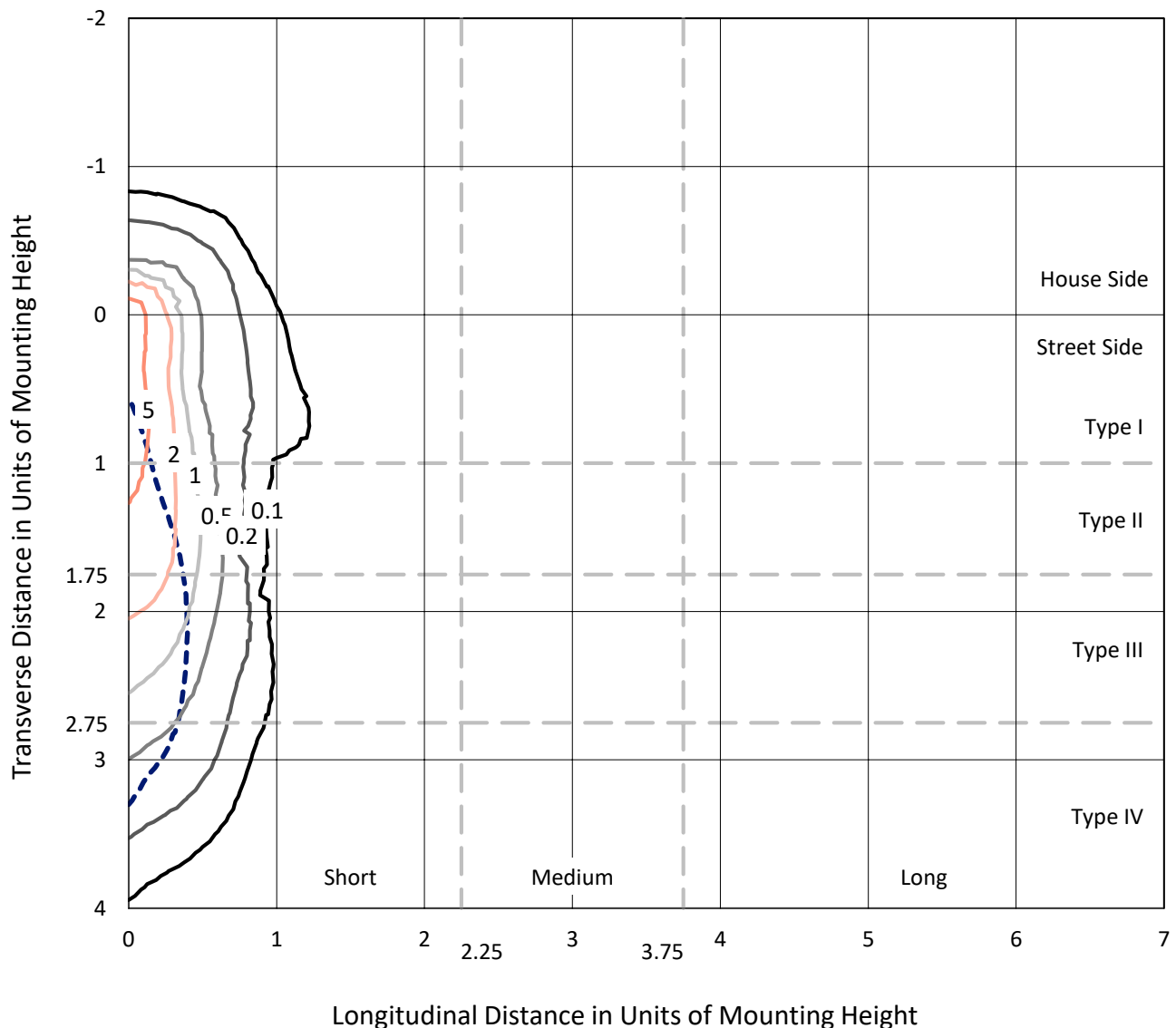
Input Watts (W): 226  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P324591  
 CATALOG NUMBER: GAN-SA7A-827-U-SLR-HSS

## Iso-Footcandle Lines of Horizontal Illumination

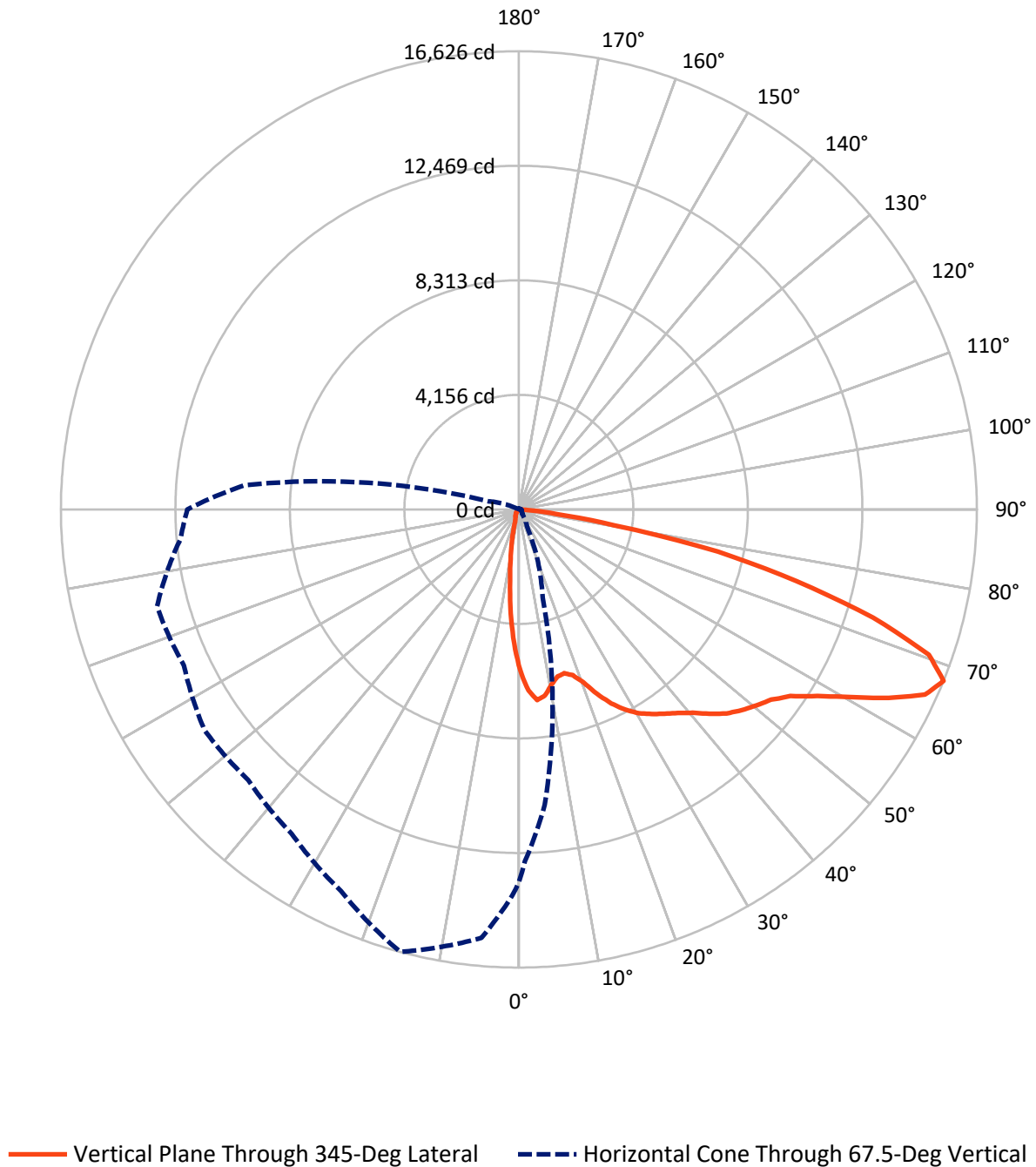
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P324591  
CATALOG NUMBER: GAN-SA7A-827-U-SLR-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P324591

CATALOG NUMBER: GAN-SA7A-827-U-SLR-HSS

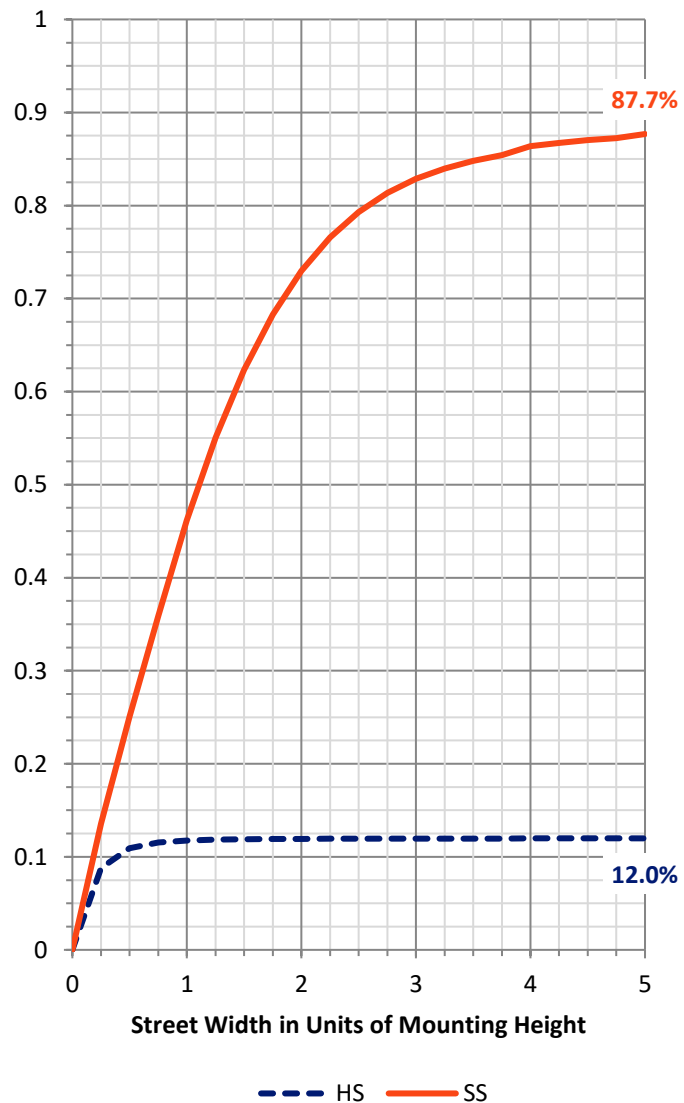
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2174.1   | 0.0    | 2174.1  |
|                    | % Fixture | 12.1     | 0.0    | 12.1    |
| <b>Street Side</b> | Lumens    | 15788.9  | 0.0    | 15788.9 |
|                    | % Fixture | 87.9     | 0.0    | 87.9    |
| <b>Total</b>       | Lumens    | 17963.0  | 0.0    | 17963.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 449.1   | 2.5       |
| 10°-20°   | 893.9   | 5.0       |
| 20°-30°   | 1269.3  | 7.1       |
| 30°-40°   | 1874.9  | 10.4      |
| 40°-50°   | 2704.0  | 15.1      |
| 50°-60°   | 3795.9  | 21.1      |
| 60°-70°   | 4424.9  | 24.6      |
| 70°-80°   | 2262.1  | 12.6      |
| 80°-90°   | 288.9   | 1.6       |
| 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°    | 17963.0 | 100.0     |
| 0°-180°   | 17963.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P324591

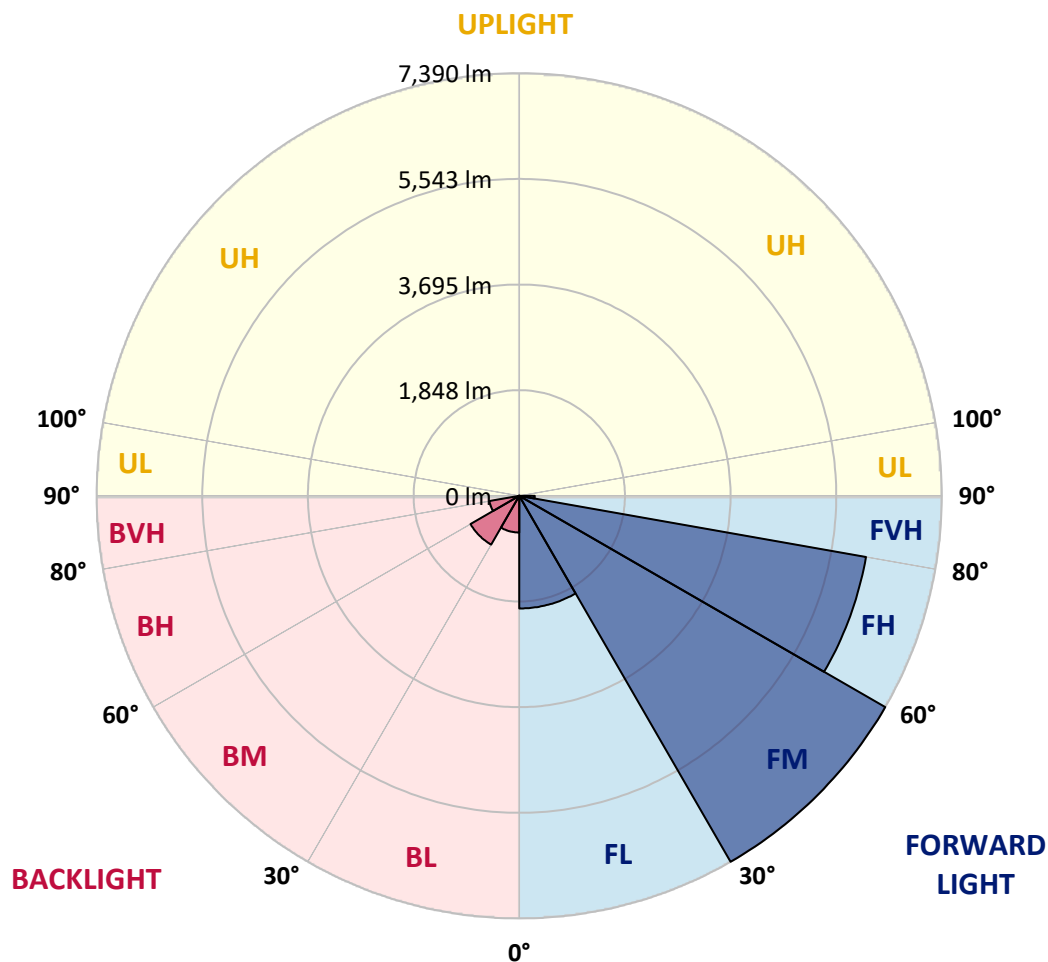
CATALOG NUMBER: GAN-SA7A-827-U-SLR-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1970.2 | 11.0      |                         |      |         |
| FM   | (30°-60°)   | 7390.3 | 41.1      |                         |      |         |
| FH   | (60°-80°)   | 6157.1 | 34.3      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 271.3  | 1.5       |                         |      | G3/500  |
| BL   | (0°-30°)    | 642.2  | 3.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 984.5  | 5.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 529.9  | 2.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 17.6   | 0.1       |                         |      | 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 Medium





REPORT NUMBER: P324591

CATALOG NUMBER: GAN-SA7A-827-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5851.4  | 5851.4  | 5851.4  | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 |
| 2.5°  | 6407.1  | 6357.8  | 6303.3  | 6125.4 | 5960.3 | 5771.4 | 5617.4 | 5510.2 | 5375.7 | 5201.3 | 5157.0 |
| 5°    | 6361.2  | 6308.4  | 6137.3  | 5741.6 | 5395.3 | 5058.3 | 4733.2 | 4542.6 | 4306.0 | 4066.0 | 4006.5 |
| 7.5°  | 5899.1  | 5843.8  | 5597.0  | 5054.9 | 4588.5 | 4101.8 | 3679.7 | 3418.4 | 3151.2 | 2931.7 | 2815.1 |
| 10°   | 5418.3  | 5357.8  | 5080.4  | 4422.6 | 3848.2 | 3408.2 | 3098.5 | 2849.1 | 2596.4 | 2361.5 | 2174.3 |
| 12.5° | 5087.2  | 5008.1  | 4706.8  | 3961.4 | 3461.0 | 3162.3 | 2872.9 | 2574.2 | 2232.1 | 1980.3 | 1774.3 |
| 15°   | 4948.5  | 4858.3  | 4540.0  | 3783.5 | 3324.0 | 2973.4 | 2596.4 | 2229.6 | 1828.8 | 1540.3 | 1351.4 |
| 17.5° | 5055.7  | 4938.3  | 4597.1  | 3771.6 | 3152.1 | 2674.7 | 2198.1 | 1767.5 | 1332.7 | 1040.8 | 906.3  |
| 20°   | 5420.0  | 5265.9  | 4832.8  | 3768.2 | 2943.6 | 2319.8 | 1715.6 | 1228.8 | 878.2  | 706.3  | 635.7  |
| 22.5° | 5993.5  | 5790.1  | 5171.5  | 3795.4 | 2728.3 | 1947.1 | 1239.0 | 834.8  | 659.5  | 570.2  | 528.5  |
| 25°   | 6686.2  | 6450.5  | 5659.1  | 3891.6 | 2539.4 | 1584.5 | 900.3  | 659.5  | 556.5  | 491.0  | 456.1  |
| 27.5° | 7344.9  | 7153.4  | 6275.2  | 4030.3 | 2393.0 | 1291.8 | 731.0  | 559.1  | 475.7  | 432.3  | 404.2  |
| 30°   | 8002.7  | 7761.9  | 6907.5  | 4195.4 | 2216.8 | 1093.5 | 642.5  | 509.7  | 426.3  | 380.4  | 362.5  |
| 32.5° | 8481.0  | 8281.0  | 7402.8  | 4314.5 | 2028.8 | 964.2  | 574.4  | 466.3  | 398.3  | 351.5  | 325.1  |
| 35°   | 9043.5  | 8817.1  | 7827.4  | 4340.9 | 1907.9 | 882.5  | 516.6  | 419.5  | 345.5  | 303.8  | 275.7  |
| 37.5° | 9651.1  | 9369.4  | 8317.6  | 4283.0 | 1813.5 | 842.5  | 473.2  | 398.3  | 322.5  | 280.0  | 250.2  |
| 40°   | 10323.4 | 10005.1 | 8788.2  | 4199.6 | 1720.7 | 828.9  | 440.0  | 382.1  | 304.7  | 261.3  | 230.6  |
| 42.5° | 11031.4 | 10656.1 | 9195.8  | 4112.0 | 1662.0 | 782.1  | 436.6  | 365.9  | 291.0  | 244.2  | 213.6  |
| 45°   | 11626.2 | 11245.8 | 9614.5  | 4083.1 | 1620.3 | 731.0  | 451.0  | 354.9  | 281.7  | 230.6  | 200.8  |
| 47.5° | 12100.2 | 11740.3 | 10043.4 | 4147.7 | 1596.5 | 684.2  | 411.0  | 369.3  | 276.6  | 218.7  | 189.8  |
| 50°   | 12666.1 | 12258.5 | 10647.6 | 4340.9 | 1561.6 | 637.4  | 371.9  | 422.9  | 276.6  | 211.0  | 180.4  |
| 52.5° | 13375.9 | 12972.5 | 11321.6 | 4640.5 | 1491.8 | 572.7  | 334.4  | 423.8  | 279.1  | 200.8  | 168.5  |
| 55°   | 14268.6 | 13975.8 | 12284.1 | 4968.9 | 1380.3 | 477.4  | 289.3  | 364.2  | 268.9  | 182.1  | 157.4  |
| 57.5° | 15124.7 | 14885.5 | 13161.4 | 5193.6 | 1231.4 | 372.7  | 251.9  | 293.6  | 245.9  | 160.0  | 140.4  |
| 59°   | 15358.7 | 15097.4 | 13483.1 | 5203.8 | 1119.9 | 325.1  | 233.2  | 242.5  | 240.8  | 149.8  | 130.2  |
| 60°   | 15358.7 | 15081.3 | 13575.9 | 5149.3 | 1039.1 | 298.7  | 221.3  | 216.2  | 251.0  | 143.0  | 124.2  |
| 62.5° | 15080.4 | 14690.7 | 13274.6 | 4780.9 | 847.6  | 254.4  | 193.2  | 178.7  | 225.5  | 128.5  | 109.8  |
| 65°   | 14501.7 | 13934.1 | 12248.3 | 4114.5 | 755.7  | 233.2  | 166.8  | 146.4  | 156.6  | 113.2  | 96.2   |
| 67.5° | 13536.7 | 12767.4 | 10768.4 | 3324.0 | 719.1  | 227.2  | 143.8  | 124.2  | 118.3  | 97.0   | 84.2   |
| 70°   | 11837.3 | 10983.7 | 8972.0  | 2613.4 | 687.6  | 224.7  | 120.8  | 104.7  | 95.3   | 81.7   | 71.5   |
| 72.5° | 8615.4  | 7725.3  | 6369.7  | 2043.2 | 668.9  | 229.8  | 97.0   | 87.7   | 78.3   | 63.8   | 55.3   |
| 75°   | 4928.1  | 4345.2  | 3580.1  | 1349.7 | 570.2  | 219.6  | 74.9   | 73.2   | 56.2   | 46.0   | 38.3   |
| 77.5° | 2546.2  | 2468.7  | 2145.3  | 518.3  | 273.2  | 96.2   | 49.4   | 42.5   | 33.2   | 28.1   | 23.0   |
| 80°   | 1098.6  | 1086.7  | 940.3   | 149.8  | 72.3   | 53.6   | 28.1   | 17.9   | 15.3   | 11.9   | 9.4    |
| 82.5° | 379.5   | 379.5   | 334.4   | 50.2   | 32.3   | 26.4   | 3.4    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 76.6    | 86.0    | 60.4    | 0.0    | 11.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P324591

CATALOG NUMBER: GAN-SA7A-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 |
| 2.5°  | 5103.4 | 5000.4 | 4993.6 | 4928.9 | 4848.1 | 4811.5 | 4790.2 | 4827.7 | 4873.6 | 4878.7 | 4947.7 |
| 5°    | 3961.4 | 3853.3 | 3898.4 | 3783.5 | 3806.5 | 3783.5 | 3746.1 | 3752.9 | 3773.3 | 3709.5 | 3788.6 |
| 7.5°  | 2781.9 | 2700.2 | 2752.1 | 2721.5 | 2762.3 | 2778.5 | 2755.5 | 2721.5 | 2621.1 | 2609.1 | 2678.1 |
| 10°   | 2096.8 | 2004.1 | 1948.8 | 1890.9 | 1903.7 | 1930.0 | 1921.5 | 1896.9 | 1833.0 | 1836.4 | 1902.8 |
| 12.5° | 1685.0 | 1581.1 | 1471.4 | 1329.2 | 1294.4 | 1313.9 | 1294.4 | 1279.9 | 1218.6 | 1223.7 | 1282.4 |
| 15°   | 1278.2 | 1193.1 | 1078.2 | 964.2  | 902.1  | 908.0  | 853.5  | 815.2  | 777.0  | 731.0  | 766.7  |
| 17.5° | 862.9  | 811.0  | 777.0  | 742.9  | 668.9  | 651.9  | 582.9  | 508.9  | 480.0  | 458.7  | 474.0  |
| 20°   | 611.0  | 582.9  | 569.3  | 567.6  | 525.1  | 503.8  | 436.6  | 390.6  | 376.1  | 371.9  | 381.2  |
| 22.5° | 510.6  | 490.2  | 470.6  | 459.5  | 438.3  | 413.6  | 362.5  | 339.5  | 329.3  | 324.2  | 331.0  |
| 25°   | 444.2  | 428.9  | 408.5  | 389.8  | 381.2  | 354.9  | 318.3  | 301.3  | 294.4  | 289.3  | 292.7  |
| 27.5° | 394.9  | 381.2  | 357.4  | 345.5  | 338.7  | 315.7  | 284.2  | 270.6  | 264.7  | 263.0  | 262.1  |
| 30°   | 355.7  | 342.9  | 320.8  | 307.2  | 295.3  | 274.9  | 256.1  | 242.5  | 236.6  | 234.9  | 233.2  |
| 32.5° | 316.6  | 306.4  | 291.9  | 278.3  | 265.5  | 246.8  | 230.6  | 219.6  | 210.2  | 208.5  | 207.6  |
| 35°   | 267.2  | 257.0  | 249.3  | 248.5  | 236.6  | 218.7  | 206.8  | 192.3  | 184.7  | 182.1  | 183.0  |
| 37.5° | 237.4  | 223.8  | 206.8  | 212.7  | 209.3  | 196.6  | 180.4  | 165.9  | 158.3  | 156.6  | 156.6  |
| 40°   | 218.7  | 204.2  | 184.7  | 174.5  | 184.7  | 182.1  | 156.6  | 142.1  | 134.5  | 133.6  | 131.9  |
| 42.5° | 200.8  | 186.4  | 164.2  | 147.2  | 152.3  | 160.0  | 135.3  | 121.7  | 114.0  | 112.3  | 109.8  |
| 45°   | 188.1  | 172.8  | 148.1  | 128.5  | 118.3  | 134.5  | 115.7  | 98.7   | 94.5   | 91.1   | 89.4   |
| 47.5° | 176.2  | 161.7  | 133.6  | 111.5  | 94.5   | 97.0   | 92.8   | 80.8   | 75.7   | 72.3   | 71.5   |
| 50°   | 165.9  | 150.6  | 120.8  | 95.3   | 78.3   | 71.5   | 74.9   | 63.8   | 59.6   | 56.2   | 54.5   |
| 52.5° | 154.0  | 139.6  | 107.2  | 82.5   | 65.5   | 56.2   | 57.0   | 50.2   | 46.0   | 43.4   | 42.5   |
| 55°   | 144.7  | 130.2  | 96.2   | 72.3   | 57.9   | 46.0   | 40.8   | 39.1   | 36.6   | 34.9   | 34.0   |
| 57.5° | 131.9  | 118.3  | 85.1   | 61.3   | 49.4   | 37.4   | 31.5   | 31.5   | 30.6   | 28.9   | 28.1   |
| 59°   | 124.2  | 112.3  | 78.3   | 55.3   | 45.1   | 32.3   | 28.1   | 28.9   | 28.1   | 26.4   | 25.5   |
| 60°   | 118.3  | 107.2  | 73.2   | 51.1   | 42.5   | 29.8   | 25.5   | 27.2   | 26.4   | 24.7   | 23.8   |
| 62.5° | 104.7  | 97.0   | 63.0   | 42.5   | 37.4   | 23.8   | 21.3   | 23.0   | 23.0   | 22.1   | 21.3   |
| 65°   | 91.9   | 83.4   | 53.6   | 35.7   | 34.9   | 20.4   | 17.0   | 20.4   | 21.3   | 19.6   | 17.9   |
| 67.5° | 80.0   | 71.5   | 46.8   | 28.9   | 32.3   | 16.2   | 12.8   | 17.0   | 23.0   | 17.9   | 16.2   |
| 70°   | 68.1   | 59.6   | 36.6   | 23.0   | 34.0   | 11.1   | 10.2   | 15.3   | 27.2   | 19.6   | 15.3   |
| 72.5° | 52.8   | 46.0   | 25.5   | 17.0   | 36.6   | 7.7    | 7.7    | 12.8   | 30.6   | 21.3   | 14.5   |
| 75°   | 36.6   | 29.8   | 15.3   | 10.2   | 29.8   | 5.1    | 5.1    | 11.9   | 28.9   | 19.6   | 13.6   |
| 77.5° | 21.3   | 16.2   | 5.1    | 0.9    | 15.3   | 0.0    | 0.9    | 8.5    | 20.4   | 11.9   | 6.0    |
| 80°   | 7.7    | 3.4    | 0.0    | 0.0    | 9.4    | 0.0    | 0.0    | 0.0    | 1.7    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





REPORT NUMBER: P324591

CATALOG NUMBER: GAN-SA7A-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4 | 5851.4  | 5851.4  | 5851.4  |
| 2.5°  | 4965.5 | 5080.4 | 5183.4 | 5339.1 | 5523.8 | 5736.5 | 5919.5 | 6116.1 | 6300.7  | 6377.3  | 6430.1  |
| 5°    | 3804.8 | 3946.9 | 4112.8 | 4341.8 | 4646.4 | 5021.7 | 5373.2 | 5770.6 | 6197.8  | 6411.4  | 6612.2  |
| 7.5°  | 2690.0 | 2834.7 | 3040.6 | 3284.0 | 3652.5 | 4099.2 | 4558.8 | 5107.6 | 5686.3  | 6024.2  | 6356.9  |
| 10°   | 1934.3 | 2112.2 | 2304.5 | 2637.2 | 3011.7 | 3435.5 | 3908.6 | 4521.3 | 5166.4  | 5540.8  | 5941.6  |
| 12.5° | 1316.5 | 1519.0 | 1810.1 | 2182.8 | 2622.8 | 3038.0 | 3449.1 | 4033.7 | 4782.6  | 5153.6  | 5583.4  |
| 15°   | 789.7  | 902.1  | 1210.1 | 1641.6 | 2181.1 | 2698.5 | 3148.7 | 3735.0 | 4533.2  | 4987.7  | 5434.4  |
| 17.5° | 486.8  | 538.7  | 706.3  | 1060.3 | 1627.1 | 2281.5 | 2898.5 | 3633.7 | 4569.0  | 5122.1  | 5600.4  |
| 20°   | 388.1  | 408.5  | 462.1  | 626.3  | 1078.2 | 1822.0 | 2616.8 | 3613.3 | 4860.9  | 5541.7  | 6054.8  |
| 22.5° | 337.0  | 356.6  | 392.3  | 455.3  | 678.2  | 1364.1 | 2349.6 | 3632.0 | 5279.5  | 6170.5  | 6769.6  |
| 25°   | 297.0  | 314.0  | 348.1  | 400.0  | 497.0  | 960.8  | 2063.7 | 3715.4 | 5825.0  | 6950.9  | 7587.4  |
| 27.5° | 265.5  | 280.0  | 311.5  | 359.1  | 426.3  | 670.6  | 1739.4 | 3816.7 | 6471.8  | 7749.1  | 8377.2  |
| 30°   | 236.6  | 249.3  | 277.4  | 321.7  | 370.2  | 515.7  | 1383.7 | 3885.6 | 7119.4  | 8377.2  | 8941.4  |
| 32.5° | 211.9  | 221.3  | 246.8  | 284.2  | 321.7  | 411.0  | 1051.8 | 3874.6 | 7600.2  | 8899.7  | 9347.3  |
| 35°   | 186.4  | 195.7  | 217.9  | 250.2  | 280.0  | 339.5  | 827.2  | 3667.8 | 8018.9  | 9441.7  | 9811.9  |
| 37.5° | 158.3  | 170.2  | 191.5  | 220.4  | 240.8  | 298.7  | 668.9  | 3418.4 | 8443.5  | 10061.3 | 10330.2 |
| 40°   | 134.5  | 146.4  | 165.1  | 196.6  | 209.3  | 283.4  | 514.0  | 3114.6 | 8920.9  | 10754.0 | 10898.6 |
| 42.5° | 111.5  | 122.5  | 142.1  | 169.3  | 197.4  | 244.2  | 380.4  | 2767.4 | 9379.6  | 11346.3 | 11416.9 |
| 45°   | 90.2   | 101.3  | 121.7  | 148.9  | 211.0  | 202.5  | 294.4  | 2395.5 | 9749.8  | 11839.0 | 11862.0 |
| 47.5° | 71.5   | 81.7   | 103.0  | 140.4  | 196.6  | 161.7  | 210.2  | 2103.6 | 10060.4 | 12223.6 | 12163.2 |
| 50°   | 55.3   | 63.8   | 86.0   | 160.8  | 171.9  | 133.6  | 159.1  | 2006.6 | 10338.7 | 12461.9 | 12305.3 |
| 52.5° | 43.4   | 51.1   | 70.6   | 150.6  | 133.6  | 110.6  | 133.6  | 2097.7 | 10719.9 | 12659.3 | 12385.3 |
| 55°   | 34.9   | 42.5   | 55.3   | 86.0   | 91.1   | 93.6   | 114.0  | 2182.8 | 11377.7 | 13122.3 | 12857.6 |
| 57.5° | 28.9   | 36.6   | 45.1   | 60.4   | 68.9   | 79.1   | 101.3  | 2192.2 | 12153.0 | 13891.6 | 13641.4 |
| 59°   | 26.4   | 33.2   | 40.8   | 53.6   | 60.4   | 72.3   | 95.3   | 2141.1 | 12426.2 | 14171.6 | 14046.5 |
| 60°   | 24.7   | 31.5   | 38.3   | 49.4   | 56.2   | 68.1   | 91.9   | 2092.6 | 12438.1 | 14161.3 | 14219.2 |
| 62.5° | 21.3   | 28.1   | 34.0   | 41.7   | 47.7   | 57.9   | 82.5   | 1913.0 | 11934.3 | 13697.6 | 14115.4 |
| 65°   | 18.7   | 24.7   | 30.6   | 35.7   | 40.8   | 51.9   | 74.9   | 1585.4 | 11073.9 | 12949.5 | 13404.8 |
| 67.5° | 17.0   | 21.3   | 28.1   | 31.5   | 36.6   | 46.0   | 66.4   | 1130.1 | 9999.1  | 12034.7 | 12330.0 |
| 70°   | 15.3   | 20.4   | 25.5   | 28.9   | 33.2   | 40.0   | 57.0   | 649.3  | 8443.5  | 10695.3 | 10905.4 |
| 72.5° | 14.5   | 19.6   | 23.0   | 27.2   | 29.8   | 35.7   | 51.9   | 305.5  | 6182.4  | 8567.8  | 9116.7  |
| 75°   | 12.8   | 17.9   | 21.3   | 25.5   | 28.1   | 32.3   | 44.3   | 146.4  | 4112.0  | 6200.3  | 6824.1  |
| 77.5° | 7.7    | 14.5   | 19.6   | 23.0   | 24.7   | 28.1   | 36.6   | 84.2   | 2624.5  | 4291.5  | 5054.9  |
| 80°   | 0.0    | 5.1    | 14.5   | 19.6   | 21.3   | 23.8   | 28.1   | 66.4   | 1404.1  | 2451.7  | 2942.7  |
| 82.5° | 0.0    | 0.0    | 10.2   | 15.3   | 14.5   | 16.2   | 21.3   | 41.7   | 633.1   | 1602.4  | 1805.8  |
| 85°   | 0.0    | 0.0    | 3.4    | 11.9   | 10.2   | 7.7    | 14.5   | 14.5   | 138.7   | 811.0   | 1011.8  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.9    | 5.1    | 3.4    | 6.0    | 1.7    | 0.9     | 60.4    | 245.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P324591

CATALOG NUMBER: GAN-SA7A-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5851.4  | 5851.4  | 5851.4  | 5851.4  | 5851.4  | 5851.4  | 5851.4  | 5851.4  | 5851.4  | 5851.4  |
| 2.5°  | 6614.8  | 6677.7  | 6784.1  | 6834.3  | 6809.6  | 6705.0  | 6579.9  | 6452.2  | 6377.3  | 6407.1  |
| 5°    | 7021.5  | 7345.8  | 7533.0  | 7595.1  | 7491.3  | 7256.4  | 6949.2  | 6544.1  | 6400.3  | 6361.2  |
| 7.5°  | 7021.5  | 7631.7  | 8018.0  | 8086.1  | 7854.6  | 7394.3  | 6818.1  | 6185.9  | 5975.7  | 5899.1  |
| 10°   | 6774.7  | 7605.3  | 8144.0  | 8252.1  | 7928.7  | 7240.2  | 6468.4  | 5746.7  | 5497.4  | 5418.3  |
| 12.5° | 6496.5  | 7390.9  | 7958.5  | 8107.4  | 7841.9  | 7087.1  | 6225.8  | 5449.7  | 5156.2  | 5087.2  |
| 15°   | 6325.4  | 7127.0  | 7596.8  | 7704.9  | 7592.5  | 6997.7  | 6168.0  | 5360.4  | 5014.9  | 4948.5  |
| 17.5° | 6386.7  | 6922.8  | 7092.2  | 7155.1  | 7230.9  | 6966.2  | 6325.4  | 5556.1  | 5118.7  | 5055.7  |
| 20°   | 6617.3  | 6707.5  | 6619.9  | 6699.0  | 6903.2  | 6996.8  | 6700.7  | 6029.3  | 5504.2  | 5420.0  |
| 22.5° | 7008.8  | 6596.0  | 6350.1  | 6381.6  | 6630.1  | 7098.1  | 7274.3  | 6705.0  | 6099.1  | 5993.5  |
| 25°   | 7464.9  | 6686.2  | 6200.3  | 6172.2  | 6427.5  | 7231.7  | 7798.5  | 7440.2  | 6802.8  | 6686.2  |
| 27.5° | 8038.5  | 6888.8  | 6169.7  | 6141.6  | 6356.9  | 7356.8  | 8234.2  | 8167.0  | 7544.0  | 7344.9  |
| 30°   | 8481.0  | 7087.9  | 6260.7  | 6196.1  | 6427.5  | 7443.6  | 8583.9  | 8783.9  | 8134.6  | 8002.7  |
| 32.5° | 8798.4  | 7322.8  | 6408.8  | 6315.2  | 6626.7  | 7593.4  | 8853.7  | 9349.0  | 8681.0  | 8481.0  |
| 35°   | 9040.1  | 7578.1  | 6647.9  | 6493.9  | 6900.7  | 7820.6  | 9106.5  | 9950.6  | 9262.2  | 9043.5  |
| 37.5° | 9266.4  | 7936.3  | 7021.5  | 6837.7  | 7330.4  | 8186.5  | 9373.7  | 10633.1 | 9912.3  | 9651.1  |
| 40°   | 9582.2  | 8342.3  | 7597.6  | 7434.3  | 8052.9  | 8685.2  | 9707.3  | 11344.6 | 10651.9 | 10323.4 |
| 42.5° | 9897.9  | 8778.0  | 8187.4  | 8231.6  | 8954.1  | 9291.1  | 10137.9 | 12096.8 | 11382.0 | 11031.4 |
| 45°   | 10186.4 | 9227.3  | 9027.3  | 9231.6  | 9790.7  | 9955.7  | 10565.9 | 12531.7 | 11964.9 | 11626.2 |
| 47.5° | 10443.4 | 9788.9  | 9862.1  | 10405.9 | 10742.1 | 10557.4 | 10885.9 | 12907.0 | 12398.9 | 12100.2 |
| 50°   | 10742.1 | 10515.7 | 10962.5 | 11731.8 | 11837.3 | 11102.0 | 11176.9 | 13351.2 | 12906.1 | 12666.1 |
| 52.5° | 11068.8 | 11281.6 | 12181.1 | 12859.3 | 12825.3 | 11693.5 | 11469.7 | 13849.0 | 13601.4 | 13375.9 |
| 55°   | 11439.9 | 11900.3 | 13254.2 | 13914.6 | 13885.6 | 12353.8 | 11954.7 | 14464.3 | 14472.8 | 14268.6 |
| 57.5° | 11990.5 | 12433.0 | 13982.6 | 14768.1 | 14816.6 | 13116.3 | 12776.8 | 15153.6 | 15260.8 | 15124.7 |
| 59°   | 12385.3 | 12778.5 | 14271.1 | 15124.7 | 15322.1 | 13706.1 | 13377.6 | 15553.6 | 15482.9 | 15358.7 |
| 60°   | 12678.1 | 12998.0 | 14414.1 | 15311.0 | 15615.7 | 14106.0 | 13820.9 | 15788.4 | 15509.3 | 15358.7 |
| 62.5° | 13402.3 | 13476.3 | 14671.9 | 15522.1 | 15953.5 | 14994.5 | 15068.5 | 16188.4 | 15326.3 | 15080.4 |
| 65°   | 13740.1 | 13778.4 | 14668.5 | 15144.2 | 15626.7 | 15686.3 | 16200.3 | 16200.3 | 14879.6 | 14501.7 |
| 67.5° | 13598.8 | 13414.2 | 13940.9 | 13891.6 | 14373.2 | 15275.3 | 16625.8 | 15606.3 | 14025.2 | 13536.7 |
| 70°   | 12450.0 | 11739.4 | 11505.4 | 11526.7 | 11895.2 | 13286.5 | 15783.3 | 13858.4 | 12408.3 | 11837.3 |
| 72.5° | 10359.1 | 8654.6  | 8076.8  | 8736.3  | 8832.4  | 10211.0 | 13450.8 | 10436.6 | 9150.7  | 8615.4  |
| 75°   | 8332.1  | 6100.8  | 5161.3  | 5857.4  | 6020.8  | 7472.6  | 10405.1 | 6499.9  | 5345.1  | 4928.1  |
| 77.5° | 5985.9  | 4379.2  | 3703.5  | 3655.0  | 3866.1  | 4739.2  | 7383.2  | 3271.2  | 2728.3  | 2546.2  |
| 80°   | 3400.6  | 2882.3  | 3103.6  | 2928.3  | 3034.6  | 2963.2  | 3507.8  | 1434.8  | 1175.2  | 1098.6  |
| 82.5° | 2052.6  | 1703.7  | 1844.9  | 1536.0  | 1943.7  | 1692.6  | 1351.4  | 459.5   | 399.1   | 379.5   |
| 85°   | 1335.2  | 931.0   | 485.1   | 325.1   | 669.7   | 1081.6  | 302.1   | 125.1   | 96.2    | 76.6    |
| 87.5° | 460.4   | 237.4   | 23.8    | 10.2    | 71.5    | 201.7   | 11.1    | 0.0     | 0.0     | 0.0     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)