

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: P324339

Luminaire Tested: **GAN-SA5D-830-U-SLL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324339  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA5D-830-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22846 lumens  
Efficiency: N/A  
Efficacy: 71.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G4

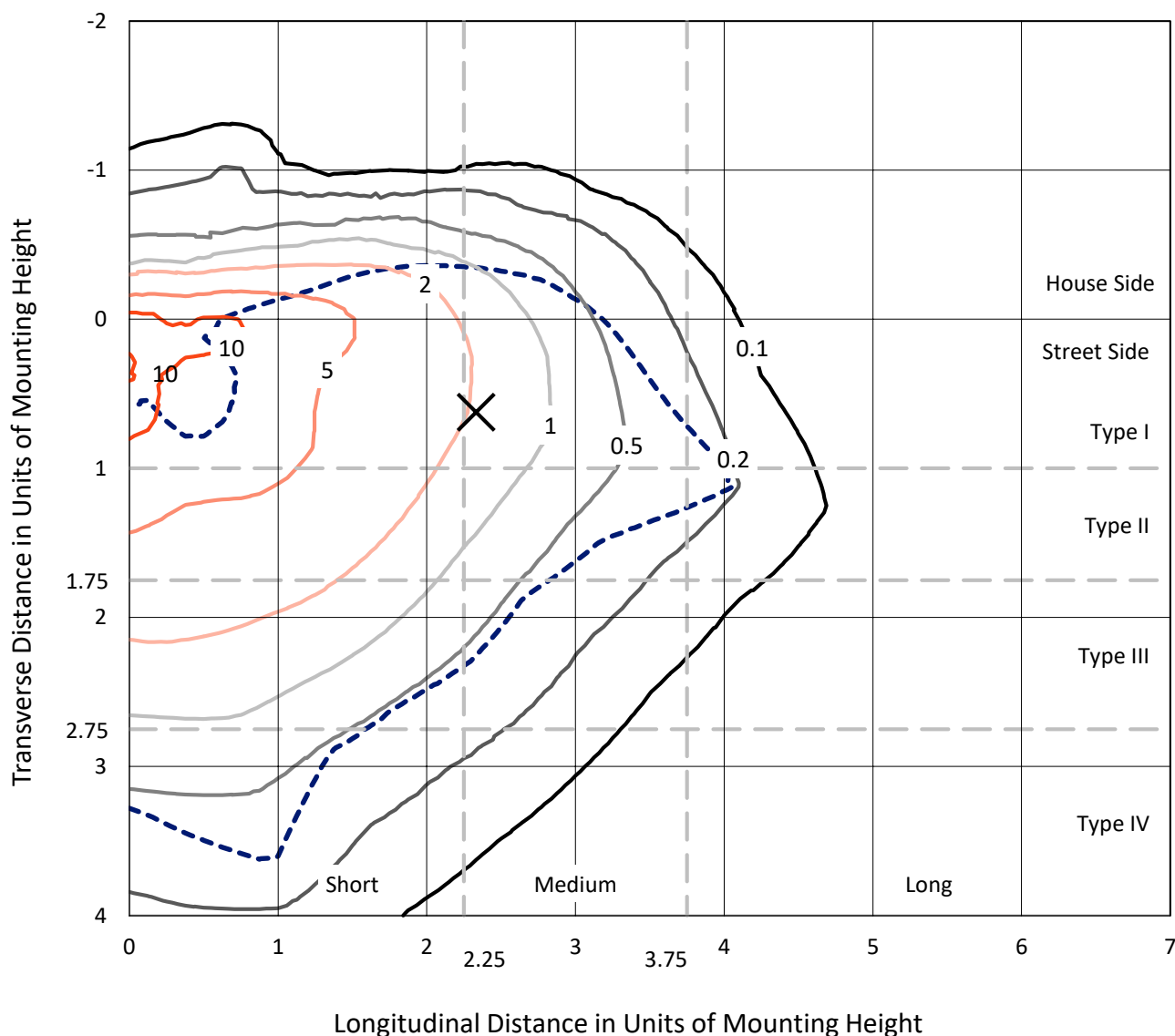
Input Watts (W): 320  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P324339  
 CATALOG NUMBER: GAN-SA5D-830-U-SLL-HSS

## Iso-Footcandle Lines of Horizontal Illumination

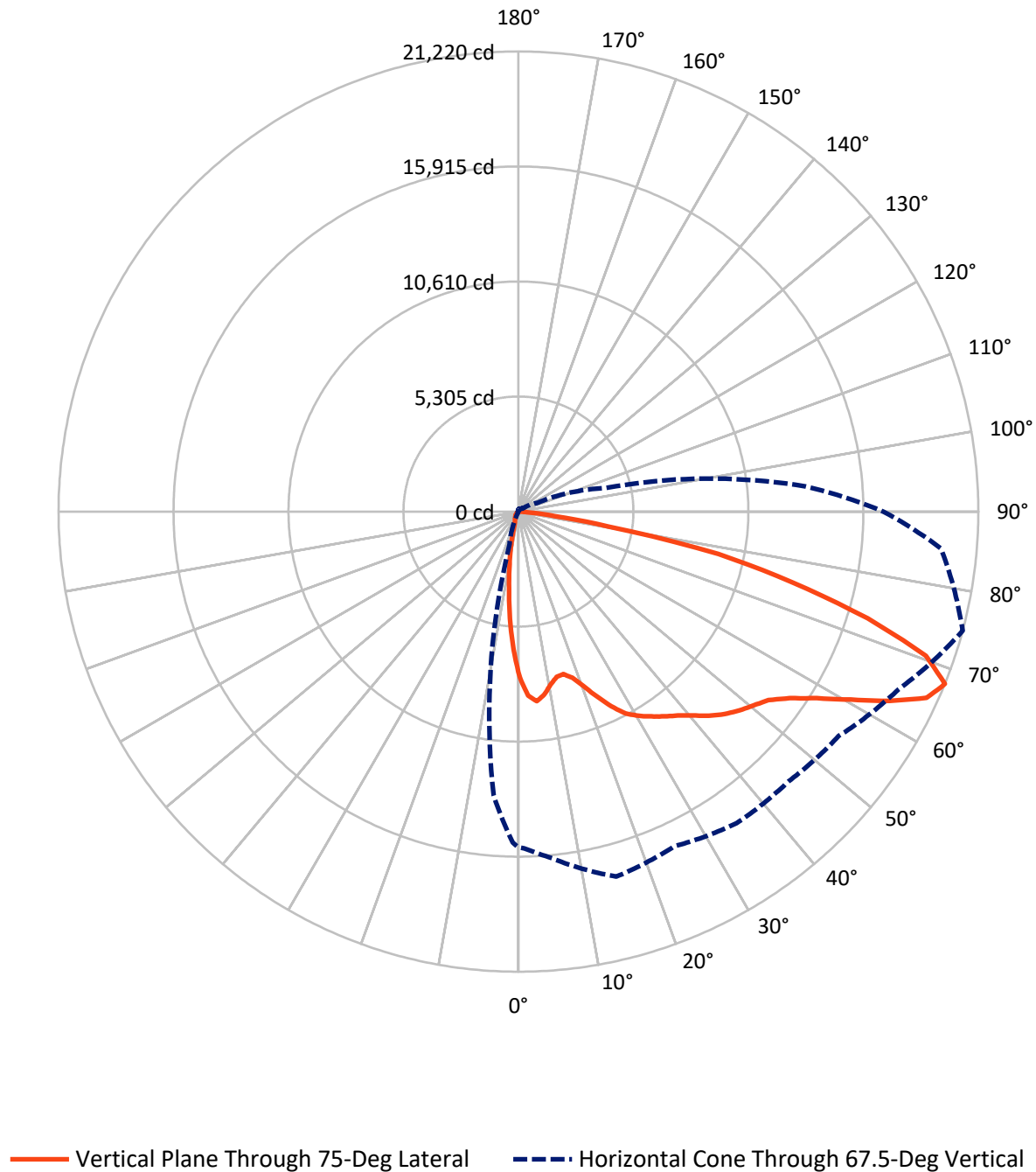
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 fc  
 Type III - Medium - N/A

REPORT NUMBER: P324339  
CATALOG NUMBER: GAN-SA5D-830-U-SLL-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P324339

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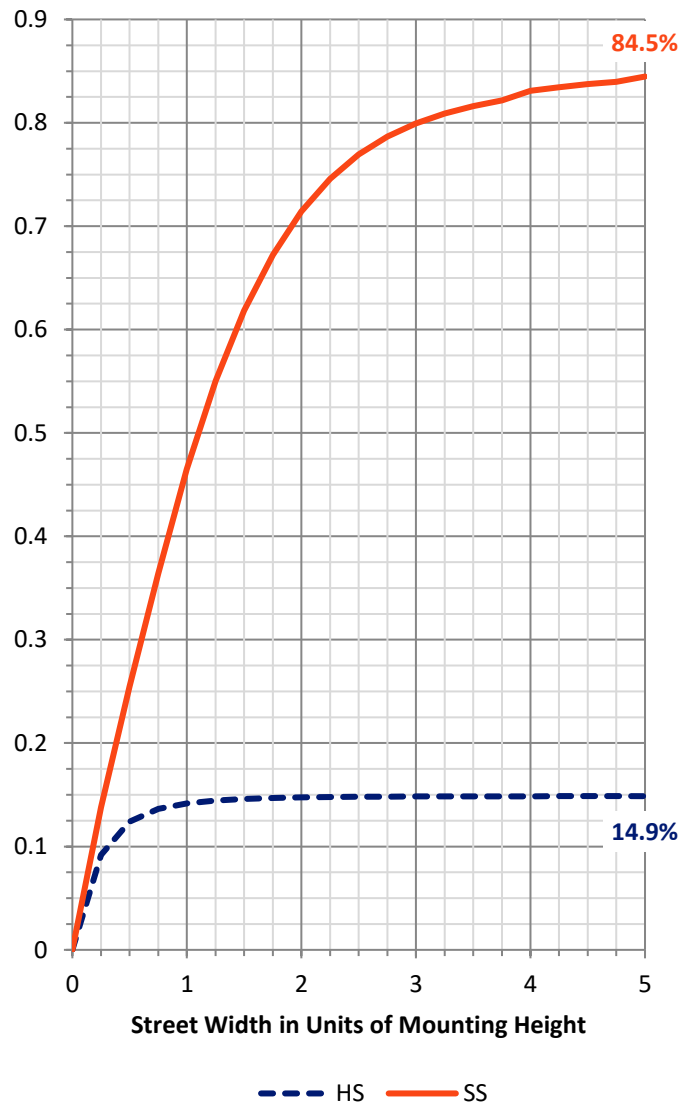
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3428.3   | 0.0    | 3428.3  |
|                    | % Fixture | 15.0     | 0.0    | 15.0    |
| <b>Street Side</b> | Lumens    | 19417.7  | 0.0    | 19417.7 |
|                    | % Fixture | 85.0     | 0.0    | 85.0    |
| <b>Total</b>       | Lumens    | 22846.0  | 0.0    | 22846.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 581.4   | 2.5       |
| 10°-20°   | 1144.8  | 5.0       |
| 20°-30°   | 1619.5  | 7.1       |
| 30°-40°   | 2381.1  | 10.4      |
| 40°-50°   | 3422.5  | 15.0      |
| 50°-60°   | 4817.9  | 21.1      |
| 60°-70°   | 5626.9  | 24.6      |
| 70°-80°   | 2870.7  | 12.6      |
| 80°-90°   | 381.3   | 1.7       |
| 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°    | 22846.0 | 100.0     |
| 0°-180°   | 22846.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P324339

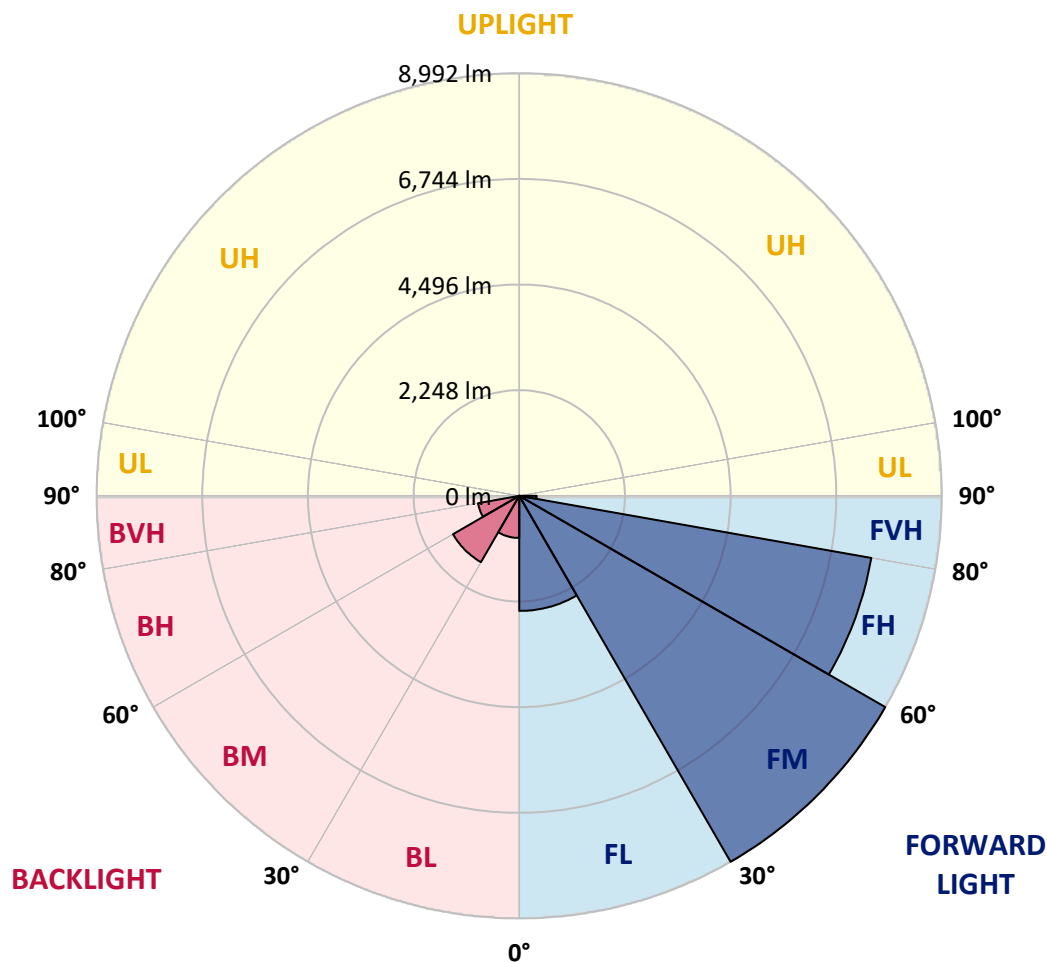
CATALOG NUMBER: GAN-SA5D-830-U-SLL-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2449.1 | 10.7      |                         |      |          |
| FM   | (30°-60°)   | 8991.8 | 39.4      |                         |      |          |
| FH   | (60°-80°)   | 7607.1 | 33.3      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 369.8  | 1.6       |                         |      | G3/500   |
| BL   | (0°-30°)    | 896.5  | 3.9       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1629.7 | 7.1       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 890.5  | 3.9       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 11.6   | 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-G4**

Type III Medium



REPORT NUMBER: P324339

CATALOG NUMBER: GAN-SA5D-830-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7664.4  | 7664.4  | 7664.4  | 7664.4  | 7664.4  | 7664.4  | 7664.4  | 7664.4  | 7664.4  | 7664.4  | 7664.4  |
| 2.5°  | 8308.4  | 8321.4  | 8388.5  | 8544.3  | 8714.2  | 8727.2  | 8841.9  | 8724.0  | 8683.9  | 8493.4  | 8296.5  |
| 5°    | 8371.1  | 8420.9  | 8651.4  | 9109.2  | 9506.4  | 9634.1  | 9725.0  | 9493.4  | 9249.9  | 8784.6  | 8287.8  |
| 7.5°  | 7865.7  | 7949.1  | 8311.6  | 9170.9  | 9880.9  | 10194.7 | 10254.2 | 9891.7  | 9295.4  | 8529.2  | 7782.4  |
| 10°   | 7218.6  | 7313.8  | 7751.0  | 8807.3  | 9782.4  | 10320.3 | 10402.5 | 9927.4  | 9070.3  | 8115.7  | 7235.9  |
| 12.5° | 6694.8  | 6806.2  | 7253.2  | 8398.2  | 9443.6  | 10038.9 | 10201.2 | 9807.3  | 8875.5  | 7822.4  | 6862.5  |
| 15°   | 6453.4  | 6581.1  | 7050.8  | 8134.1  | 9068.1  | 9536.7  | 9670.9  | 9501.0  | 8767.2  | 7775.9  | 6775.9  |
| 17.5° | 6591.9  | 6730.5  | 7215.3  | 8156.9  | 8715.3  | 8915.5  | 9023.7  | 9093.0  | 8767.2  | 8056.2  | 7029.2  |
| 20°   | 7160.1  | 7309.5  | 7822.4  | 8387.4  | 8423.1  | 8348.4  | 8464.2  | 8707.7  | 8869.0  | 8588.7  | 7637.4  |
| 22.5° | 7945.8  | 8121.1  | 8700.1  | 8782.4  | 8280.2  | 7997.8  | 8012.9  | 8395.0  | 9054.0  | 9264.0  | 8481.5  |
| 25°   | 8903.6  | 9117.9  | 9706.6  | 9371.1  | 8339.8  | 7788.9  | 7783.5  | 8137.4  | 9234.8  | 9940.4  | 9422.0  |
| 27.5° | 9854.9  | 10090.8 | 10608.1 | 10089.7 | 8585.4  | 7751.0  | 7740.2  | 8059.5  | 9411.2  | 10542.1 | 10449.1 |
| 30°   | 10652.5 | 10881.9 | 11327.8 | 10610.3 | 8850.6  | 7839.8  | 7787.8  | 8142.8  | 9516.2  | 10932.8 | 11198.0 |
| 32.5° | 11301.9 | 11485.8 | 11846.2 | 10968.5 | 9134.1  | 8011.8  | 7899.3  | 8365.7  | 9694.7  | 11262.9 | 11886.3 |
| 35°   | 12016.1 | 12209.9 | 12353.8 | 11309.4 | 9452.3  | 8259.7  | 8098.4  | 8719.6  | 9969.6  | 11598.4 | 12640.6 |
| 37.5° | 12831.1 | 13023.7 | 13006.4 | 11621.1 | 9856.0  | 8669.8  | 8567.0  | 9280.2  | 10397.1 | 11930.6 | 13482.6 |
| 40°   | 13628.7 | 13825.6 | 13685.0 | 11962.0 | 10330.0 | 9346.2  | 9270.5  | 10122.2 | 10969.6 | 12356.0 | 14469.6 |
| 42.5° | 14375.4 | 14588.6 | 14287.8 | 12284.5 | 10894.9 | 10199.1 | 10328.9 | 11206.6 | 11686.1 | 12879.8 | 15320.2 |
| 45°   | 14977.2 | 15194.7 | 14793.2 | 12598.4 | 11490.2 | 11233.7 | 11624.4 | 12407.9 | 12547.5 | 13322.4 | 15894.9 |
| 47.5° | 15414.4 | 15620.0 | 15143.8 | 12912.2 | 12252.1 | 12498.8 | 13179.6 | 13667.6 | 13325.7 | 13706.6 | 16302.9 |
| 50°   | 15693.6 | 15853.8 | 15246.6 | 13305.1 | 13252.1 | 13975.0 | 14799.7 | 15037.8 | 14058.3 | 14052.9 | 16798.6 |
| 52.5° | 15871.1 | 15943.6 | 15322.4 | 13715.3 | 14295.3 | 15582.1 | 16386.2 | 16460.9 | 14812.7 | 14433.9 | 17466.3 |
| 55°   | 16482.6 | 16541.0 | 15859.2 | 14212.0 | 15157.9 | 16990.1 | 17821.3 | 17752.0 | 15666.5 | 15179.5 | 18254.2 |
| 57.5° | 17525.8 | 17587.5 | 16968.5 | 14926.3 | 15855.9 | 17860.3 | 18861.3 | 18985.8 | 16667.6 | 16227.1 | 19098.3 |
| 60°   | 18049.6 | 18164.4 | 17943.6 | 15831.0 | 16532.3 | 18416.5 | 19570.2 | 19967.4 | 17918.7 | 17608.1 | 19916.5 |
| 62.5° | 17574.5 | 17741.2 | 18061.5 | 16834.3 | 17204.4 | 18722.8 | 19791.0 | 20319.1 | 19200.1 | 19217.4 | 20420.8 |
| 65°   | 16626.5 | 16759.6 | 17302.9 | 17384.1 | 17594.0 | 18684.9 | 19245.5 | 19827.8 | 19984.7 | 20695.7 | 20393.8 |
| 67.5° | 15481.5 | 15531.3 | 15992.3 | 17427.4 | 17029.1 | 17546.4 | 17607.0 | 18037.7 | 19364.6 | 21219.5 | 19574.5 |
| 70°   | 13833.2 | 13860.3 | 14262.9 | 15978.2 | 14634.1 | 14747.7 | 14657.9 | 14745.6 | 16648.1 | 19943.6 | 17506.4 |
| 72.5° | 11133.0 | 11201.2 | 11773.7 | 13269.4 | 10661.2 | 10333.3 | 11038.9 | 10999.9 | 12821.3 | 16849.4 | 13002.1 |
| 75°   | 8196.9  | 8314.9  | 9179.6  | 10688.2 | 7482.6  | 6768.3  | 7283.5  | 7420.9  | 9114.6  | 13033.4 | 8130.9  |
| 77.5° | 5739.1  | 5826.8  | 6664.5  | 7857.1  | 5415.5  | 4839.8  | 4653.6  | 4817.1  | 6016.2  | 9428.5  | 4096.3  |
| 80°   | 3306.3  | 3338.7  | 3873.3  | 4536.8  | 3649.3  | 4175.3  | 3782.4  | 3895.0  | 3605.0  | 4194.8  | 1761.9  |
| 82.5° | 2163.4  | 2168.8  | 2377.7  | 2700.2  | 2272.7  | 2640.7  | 1954.5  | 2498.9  | 2217.5  | 1685.1  | 573.6   |
| 85°   | 1168.8  | 1175.3  | 1378.8  | 1916.7  | 1286.8  | 727.3   | 427.5   | 877.7   | 1371.2  | 386.4   | 156.9   |
| 87.5° | 128.8   | 118.0   | 415.6   | 697.0   | 357.1   | 66.0    | 22.7    | 98.5    | 219.7   | 24.9    | 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: P324339

CATALOG NUMBER: GAN-SA5D-830-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7664.4  | 7664.4  | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 |
| 2.5°  | 8195.8  | 8106.0  | 7882.0 | 7645.0 | 7454.5 | 7275.9 | 7096.3 | 6876.6 | 6706.7 | 6672.0 | 6615.7 |
| 5°    | 8020.5  | 7735.9  | 7266.2 | 6794.3 | 6414.5 | 5935.0 | 5630.9 | 5393.9 | 5162.3 | 5148.2 | 5101.7 |
| 7.5°  | 7408.0  | 7033.5  | 6372.2 | 5719.7 | 5185.0 | 4728.3 | 4267.3 | 3958.8 | 3716.4 | 3630.9 | 3580.1 |
| 10°   | 6819.2  | 6398.2  | 5572.5 | 4827.9 | 4350.6 | 3946.9 | 3622.3 | 3299.8 | 3007.6 | 2806.3 | 2715.3 |
| 12.5° | 6408.0  | 5942.6  | 5032.4 | 4390.7 | 4048.7 | 3665.6 | 3269.5 | 2866.9 | 2530.3 | 2287.9 | 2139.6 |
| 15°   | 6248.9  | 5752.1  | 4851.7 | 4217.5 | 3795.4 | 3310.6 | 2804.1 | 2344.1 | 1970.8 | 1751.1 | 1618.0 |
| 17.5° | 6438.3  | 5860.3  | 4837.6 | 4006.5 | 3416.6 | 2813.8 | 2254.3 | 1711.0 | 1359.3 | 1192.6 | 1107.1 |
| 20°   | 6918.8  | 6204.5  | 4832.2 | 3747.8 | 2966.4 | 2225.1 | 1527.0 | 1125.5 | 912.3  | 819.3  | 779.2  |
| 22.5° | 7598.4  | 6643.9  | 4875.5 | 3492.4 | 2497.8 | 1589.8 | 1054.1 | 826.8  | 717.5  | 667.7  | 645.0  |
| 25°   | 8472.9  | 7260.8  | 4997.8 | 3260.8 | 2057.3 | 1186.1 | 821.4  | 692.6  | 615.8  | 576.8  | 560.6  |
| 27.5° | 9404.7  | 7970.7  | 5188.3 | 3059.5 | 1699.1 | 945.9  | 703.5  | 593.1  | 537.9  | 510.8  | 495.7  |
| 30°   | 10173.1 | 8793.2  | 5380.9 | 2835.5 | 1439.4 | 824.7  | 643.9  | 541.1  | 477.3  | 460.0  | 445.9  |
| 32.5° | 10845.2 | 9415.5  | 5517.3 | 2633.1 | 1269.5 | 732.7  | 582.2  | 483.8  | 440.5  | 406.9  | 391.8  |
| 35°   | 11541.0 | 9933.9  | 5512.9 | 2491.3 | 1152.6 | 663.4  | 530.3  | 432.9  | 380.9  | 342.0  | 330.1  |
| 37.5° | 12294.3 | 10519.4 | 5418.8 | 2370.1 | 1101.7 | 608.2  | 501.1  | 405.8  | 353.9  | 314.9  | 299.8  |
| 40°   | 13176.3 | 11134.1 | 5322.5 | 2256.5 | 1087.7 | 563.8  | 480.5  | 384.2  | 329.0  | 291.1  | 276.0  |
| 42.5° | 14035.6 | 11688.2 | 5238.1 | 2172.1 | 1027.0 | 562.8  | 462.1  | 368.0  | 309.5  | 272.7  | 255.4  |
| 45°   | 14722.8 | 12204.5 | 5221.8 | 2121.2 | 963.2  | 582.2  | 452.4  | 357.1  | 294.4  | 257.6  | 241.3  |
| 47.5° | 15294.3 | 12765.1 | 5325.7 | 2085.5 | 902.6  | 531.4  | 476.2  | 349.6  | 280.3  | 244.6  | 226.2  |
| 50°   | 15973.9 | 13453.4 | 5570.3 | 2027.0 | 838.7  | 478.4  | 545.5  | 351.7  | 268.4  | 231.6  | 212.1  |
| 52.5° | 16921.9 | 14405.7 | 5929.6 | 1928.6 | 751.1  | 429.7  | 536.8  | 353.9  | 255.4  | 217.5  | 198.1  |
| 55°   | 17984.7 | 15595.1 | 6316.0 | 1765.1 | 628.8  | 365.8  | 460.0  | 338.7  | 230.5  | 202.4  | 184.0  |
| 57.5° | 19101.6 | 16674.1 | 6545.4 | 1570.3 | 500.0  | 316.0  | 368.0  | 308.4  | 203.5  | 181.8  | 169.9  |
| 60°   | 19276.9 | 17084.3 | 6440.4 | 1331.2 | 397.2  | 274.9  | 272.7  | 313.9  | 181.8  | 160.2  | 151.5  |
| 62.5° | 18840.8 | 16569.1 | 5932.9 | 1118.0 | 332.2  | 241.3  | 224.0  | 273.8  | 164.5  | 142.9  | 134.2  |
| 65°   | 18002.0 | 15176.3 | 5110.3 | 1007.6 | 308.4  | 206.7  | 186.1  | 192.6  | 143.9  | 124.5  | 116.9  |
| 67.5° | 16835.4 | 13317.0 | 4195.9 | 944.8  | 305.2  | 177.5  | 159.1  | 146.1  | 124.5  | 108.2  | 101.7  |
| 70°   | 14450.1 | 11094.1 | 3347.4 | 910.2  | 296.5  | 149.3  | 134.2  | 119.0  | 103.9  | 92.0   | 86.6   |
| 72.5° | 10635.2 | 7861.4  | 2603.9 | 872.3  | 298.7  | 119.0  | 116.9  | 98.5   | 83.3   | 71.4   | 69.3   |
| 75°   | 6145.0  | 4491.3  | 1707.8 | 706.7  | 284.6  | 92.0   | 97.4   | 69.3   | 58.4   | 49.8   | 49.8   |
| 77.5° | 3274.9  | 2739.2  | 650.4  | 294.4  | 103.9  | 58.4   | 55.2   | 41.1   | 36.8   | 30.3   | 29.2   |
| 80°   | 1427.5  | 1205.6  | 195.9  | 82.3   | 57.4   | 31.4   | 20.6   | 18.4   | 16.2   | 13.0   | 11.9   |
| 82.5° | 505.4   | 436.1   | 63.9   | 40.0   | 24.9   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 114.7   | 82.3    | 0.0    | 9.7    | 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: P324339

CATALOG NUMBER: GAN-SA5D-830-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 |
| 2.5°  | 6501.0 | 6477.2 | 6336.5 | 6341.9 | 6366.8 | 6402.5 | 6318.1 | 6357.1 | 6462.1 | 6562.7 | 6600.6 |
| 5°    | 5027.0 | 5032.4 | 4946.9 | 5000.0 | 5047.6 | 5080.0 | 4943.7 | 4945.8 | 5029.2 | 5142.8 | 5202.3 |
| 7.5°  | 3542.2 | 3533.5 | 3537.9 | 3664.5 | 3754.3 | 3689.4 | 3740.2 | 3563.8 | 3574.6 | 3655.8 | 3595.2 |
| 10°   | 2633.1 | 2514.0 | 2447.0 | 2542.2 | 2640.7 | 2605.0 | 2517.3 | 2459.9 | 2500.0 | 2589.8 | 2583.3 |
| 12.5° | 2069.2 | 1898.3 | 1797.6 | 1729.4 | 1810.6 | 1743.5 | 1741.3 | 1691.5 | 1637.4 | 1647.2 | 1791.1 |
| 15°   | 1556.3 | 1431.8 | 1312.8 | 1203.5 | 1201.3 | 1178.6 | 1062.8 | 932.9  | 922.1  | 928.6  | 1003.2 |
| 17.5° | 1070.3 | 1028.1 | 979.4  | 885.3  | 860.4  | 765.1  | 652.6  | 600.6  | 574.7  | 586.6  | 611.5  |
| 20°   | 752.2  | 735.9  | 741.3  | 690.5  | 654.8  | 563.8  | 497.8  | 477.3  | 472.9  | 484.8  | 496.7  |
| 22.5° | 623.4  | 594.2  | 590.9  | 568.2  | 532.5  | 466.4  | 430.7  | 418.8  | 413.4  | 424.2  | 432.9  |
| 25°   | 545.5  | 516.2  | 504.3  | 490.3  | 452.4  | 406.9  | 385.3  | 374.5  | 369.0  | 375.5  | 380.9  |
| 27.5° | 480.5  | 453.5  | 442.6  | 432.9  | 396.1  | 363.6  | 346.3  | 336.6  | 332.2  | 334.4  | 339.8  |
| 30°   | 431.8  | 408.0  | 393.9  | 382.0  | 350.6  | 327.9  | 312.8  | 303.0  | 298.7  | 298.7  | 304.1  |
| 32.5° | 380.9  | 368.0  | 355.0  | 339.8  | 310.6  | 295.5  | 280.3  | 269.5  | 265.1  | 266.2  | 270.6  |
| 35°   | 317.1  | 312.8  | 316.0  | 301.9  | 277.1  | 264.1  | 248.9  | 237.0  | 233.8  | 234.8  | 239.2  |
| 37.5° | 281.4  | 261.9  | 273.8  | 266.2  | 252.2  | 234.8  | 215.4  | 204.5  | 199.1  | 202.4  | 204.5  |
| 40°   | 258.7  | 234.8  | 226.2  | 233.8  | 231.6  | 203.5  | 186.1  | 175.3  | 171.0  | 172.1  | 174.2  |
| 42.5° | 239.2  | 211.0  | 191.6  | 190.5  | 203.5  | 177.5  | 159.1  | 149.3  | 143.9  | 143.9  | 146.1  |
| 45°   | 220.8  | 190.5  | 166.7  | 148.3  | 171.0  | 150.4  | 133.1  | 124.5  | 118.0  | 118.0  | 119.0  |
| 47.5° | 206.7  | 173.2  | 145.0  | 121.2  | 128.8  | 123.4  | 109.3  | 100.6  | 94.2   | 94.2   | 95.2   |
| 50°   | 193.7  | 155.8  | 125.5  | 101.7  | 96.3   | 101.7  | 88.7   | 79.0   | 74.7   | 73.6   | 75.8   |
| 52.5° | 179.7  | 138.5  | 107.1  | 86.6   | 75.8   | 76.8   | 69.3   | 62.8   | 57.4   | 57.4   | 59.5   |
| 55°   | 165.6  | 124.5  | 93.1   | 73.6   | 62.8   | 57.4   | 55.2   | 50.9   | 46.5   | 46.5   | 48.7   |
| 57.5° | 151.5  | 109.3  | 79.0   | 60.6   | 49.8   | 45.5   | 45.5   | 42.2   | 39.0   | 39.0   | 41.1   |
| 60°   | 138.5  | 94.2   | 64.9   | 49.8   | 39.0   | 37.9   | 39.0   | 35.7   | 33.5   | 33.5   | 35.7   |
| 62.5° | 123.4  | 80.1   | 53.0   | 41.1   | 31.4   | 30.3   | 33.5   | 31.4   | 29.2   | 29.2   | 31.4   |
| 65°   | 105.0  | 68.2   | 42.2   | 31.4   | 23.8   | 23.8   | 28.1   | 26.0   | 23.8   | 23.8   | 26.0   |
| 67.5° | 88.7   | 57.4   | 32.5   | 22.7   | 17.3   | 18.4   | 23.8   | 21.6   | 20.6   | 20.6   | 22.7   |
| 70°   | 73.6   | 44.4   | 22.7   | 14.1   | 9.7    | 14.1   | 18.4   | 18.4   | 18.4   | 18.4   | 20.6   |
| 72.5° | 55.2   | 30.3   | 13.0   | 5.4    | 4.3    | 9.7    | 15.2   | 17.3   | 16.2   | 16.2   | 19.5   |
| 75°   | 35.7   | 17.3   | 4.3    | 0.0    | 0.0    | 5.4    | 11.9   | 14.1   | 14.1   | 13.0   | 16.2   |
| 77.5° | 20.6   | 5.4    | 0.0    | 0.0    | 0.0    | 0.0    | 7.6    | 6.5    | 5.4    | 4.3    | 7.6    |
| 80°   | 5.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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: P324339

CATALOG NUMBER: GAN-SA5D-830-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 359°    | 360°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4 | 7664.4  | 7664.4  | 7664.4  |
| 2.5°  | 6753.2 | 6880.9 | 7060.6 | 7251.0 | 7544.3 | 7777.0 | 8005.3 | 8201.2  | 8277.0  | 8308.4  |
| 5°    | 5345.2 | 5532.4 | 5795.4 | 6133.1 | 6662.3 | 7138.5 | 7621.2 | 8107.1  | 8318.1  | 8371.1  |
| 7.5°  | 3835.5 | 4074.6 | 4409.1 | 4832.2 | 5452.3 | 6069.2 | 6743.5 | 7456.7  | 7783.5  | 7865.7  |
| 10°   | 2838.7 | 3130.9 | 3514.0 | 3959.9 | 4551.9 | 5186.1 | 5920.9 | 6735.9  | 7109.3  | 7218.6  |
| 12.5° | 2014.1 | 2409.1 | 2922.1 | 3464.3 | 3977.2 | 4543.3 | 5286.8 | 6185.0  | 6576.8  | 6694.8  |
| 15°   | 1182.9 | 1564.9 | 2172.1 | 2898.2 | 3555.2 | 4128.8 | 4884.2 | 5902.6  | 6334.4  | 6453.4  |
| 17.5° | 678.6  | 869.0  | 1327.9 | 2137.4 | 3029.2 | 3823.6 | 4757.5 | 5972.9  | 6481.6  | 6591.9  |
| 20°   | 518.4  | 579.0  | 765.1  | 1376.6 | 2414.5 | 3523.8 | 4757.5 | 6371.2  | 6997.8  | 7160.1  |
| 22.5° | 453.5  | 497.8  | 573.6  | 821.4  | 1777.0 | 3202.4 | 4812.7 | 6946.9  | 7766.2  | 7945.8  |
| 25°   | 402.6  | 442.6  | 507.6  | 618.0  | 1212.1 | 2820.3 | 4943.7 | 7653.6  | 8670.9  | 8903.6  |
| 27.5° | 360.4  | 398.3  | 456.7  | 541.1  | 829.0  | 2359.3 | 5120.1 | 8482.6  | 9668.8  | 9854.9  |
| 30°   | 322.5  | 358.2  | 411.3  | 470.8  | 639.6  | 1836.6 | 5270.5 | 9264.0  | 10452.3 | 10652.5 |
| 32.5° | 286.8  | 319.3  | 366.9  | 411.3  | 523.8  | 1358.2 | 5286.8 | 9883.0  | 11102.7 | 11301.9 |
| 35°   | 253.2  | 282.5  | 325.8  | 360.4  | 434.0  | 1072.5 | 5034.6 | 10419.8 | 11753.2 | 12016.1 |
| 37.5° | 220.8  | 248.9  | 286.8  | 312.8  | 382.0  | 874.5  | 4649.3 | 11018.3 | 12587.6 | 12831.1 |
| 40°   | 190.5  | 215.4  | 254.3  | 271.6  | 361.5  | 672.1  | 4230.5 | 11646.0 | 13405.7 | 13628.7 |
| 42.5° | 162.3  | 186.1  | 224.0  | 257.6  | 317.1  | 502.2  | 3778.1 | 12234.8 | 14141.7 | 14375.4 |
| 45°   | 135.3  | 160.2  | 198.1  | 272.7  | 263.0  | 375.5  | 3294.3 | 12625.4 | 14722.8 | 14977.2 |
| 47.5° | 109.3  | 137.4  | 189.4  | 259.7  | 210.0  | 276.0  | 2911.2 | 12995.6 | 15163.3 | 15414.4 |
| 50°   | 87.7   | 115.8  | 213.2  | 231.6  | 172.1  | 211.0  | 2751.1 | 13326.7 | 15452.3 | 15693.6 |
| 52.5° | 71.4   | 97.4   | 201.3  | 177.5  | 143.9  | 174.2  | 2837.6 | 13863.5 | 15719.6 | 15871.1 |
| 55°   | 59.5   | 76.8   | 121.2  | 123.4  | 122.3  | 148.3  | 2944.8 | 14634.1 | 16411.1 | 16482.6 |
| 57.5° | 51.9   | 61.7   | 84.4   | 95.2   | 102.8  | 132.0  | 2946.9 | 15740.1 | 17481.5 | 17525.8 |
| 60°   | 44.4   | 54.1   | 70.3   | 76.8   | 88.7   | 118.0  | 2839.8 | 16126.5 | 17902.5 | 18049.6 |
| 62.5° | 39.0   | 47.6   | 58.4   | 63.9   | 74.7   | 106.1  | 2588.7 | 15567.0 | 17324.5 | 17574.5 |
| 65°   | 34.6   | 43.3   | 48.7   | 54.1   | 66.0   | 95.2   | 2175.3 | 14447.9 | 16365.7 | 16626.5 |
| 67.5° | 30.3   | 37.9   | 43.3   | 48.7   | 59.5   | 84.4   | 1601.7 | 13148.2 | 15265.0 | 15481.5 |
| 70°   | 27.1   | 33.5   | 39.0   | 43.3   | 51.9   | 71.4   | 971.9  | 11156.8 | 13743.4 | 13833.2 |
| 72.5° | 26.0   | 30.3   | 35.7   | 39.0   | 45.5   | 62.8   | 492.4  | 8199.1  | 10986.9 | 11133.0 |
| 75°   | 22.7   | 27.1   | 32.5   | 34.6   | 40.0   | 54.1   | 200.2  | 5385.2  | 7962.1  | 8196.9  |
| 77.5° | 18.4   | 24.9   | 29.2   | 31.4   | 34.6   | 44.4   | 101.7  | 3441.5  | 5587.6  | 5739.1  |
| 80°   | 6.5    | 18.4   | 24.9   | 26.0   | 29.2   | 32.5   | 67.1   | 1884.2  | 3241.3  | 3306.3  |
| 82.5° | 0.0    | 11.9   | 19.5   | 18.4   | 20.6   | 24.9   | 43.3   | 896.1   | 2139.6  | 2163.4  |
| 85°   | 0.0    | 5.4    | 15.2   | 11.9   | 8.7    | 17.3   | 15.2   | 195.9   | 1122.3  | 1168.8  |
| 87.5° | 0.0    | 0.0    | 1.1    | 5.4    | 4.3    | 6.5    | 2.2    | 1.1     | 101.7   | 128.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

(END OF REPORT)