

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P648000

Luminaire Tested: **GALN-SA6A-835-U-SLR-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648000  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6A-835-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 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: 15248.9 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

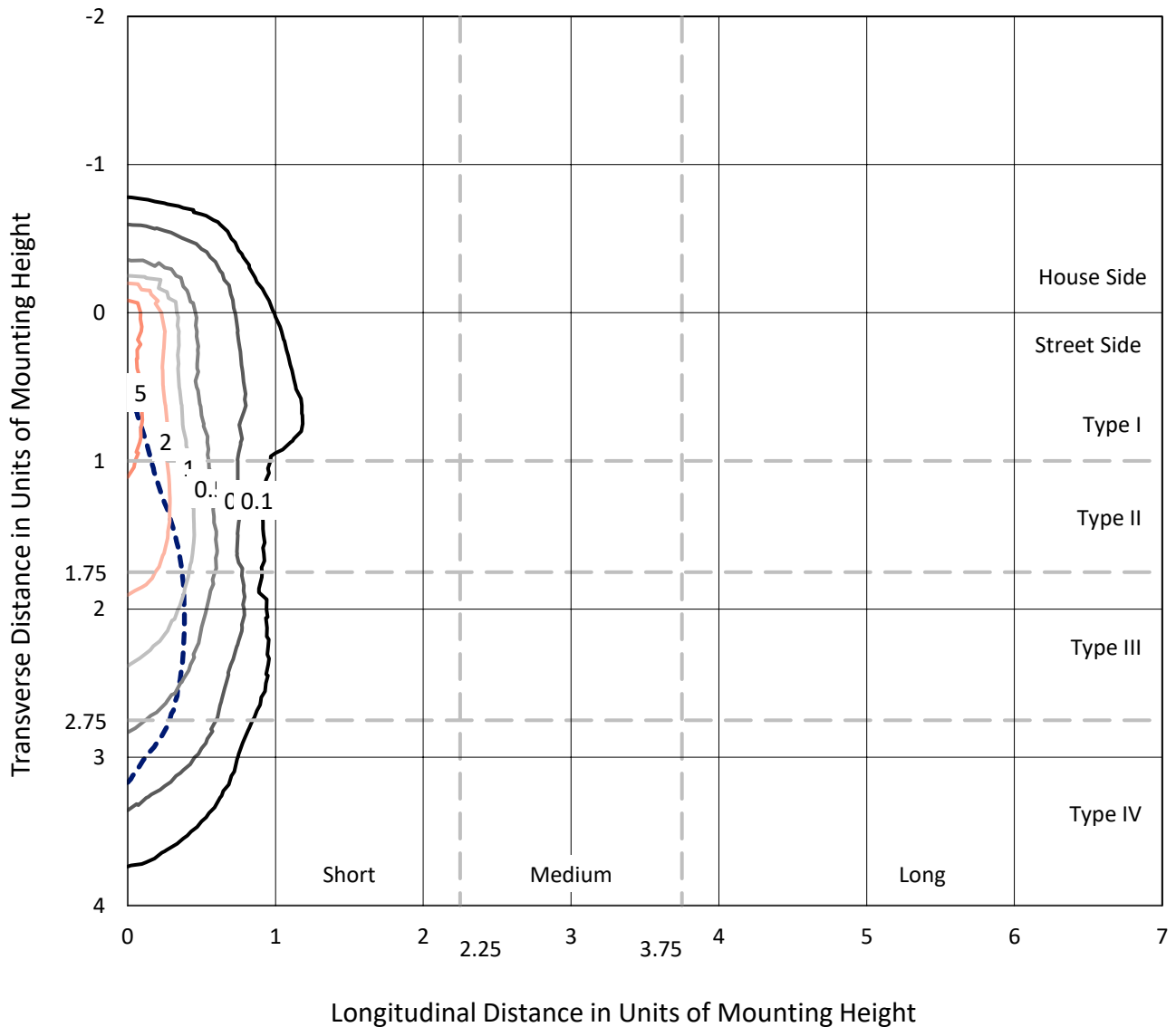
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

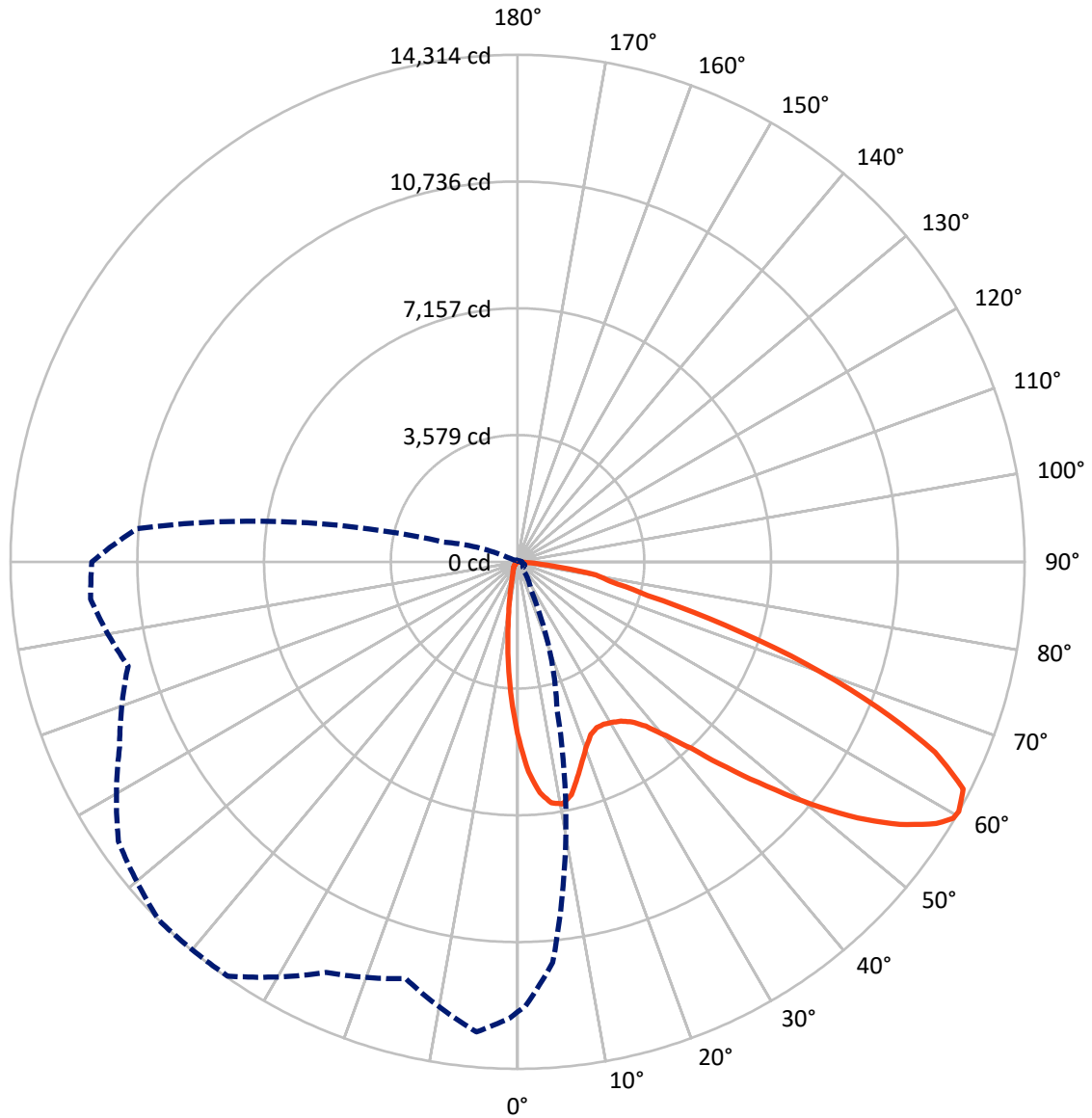
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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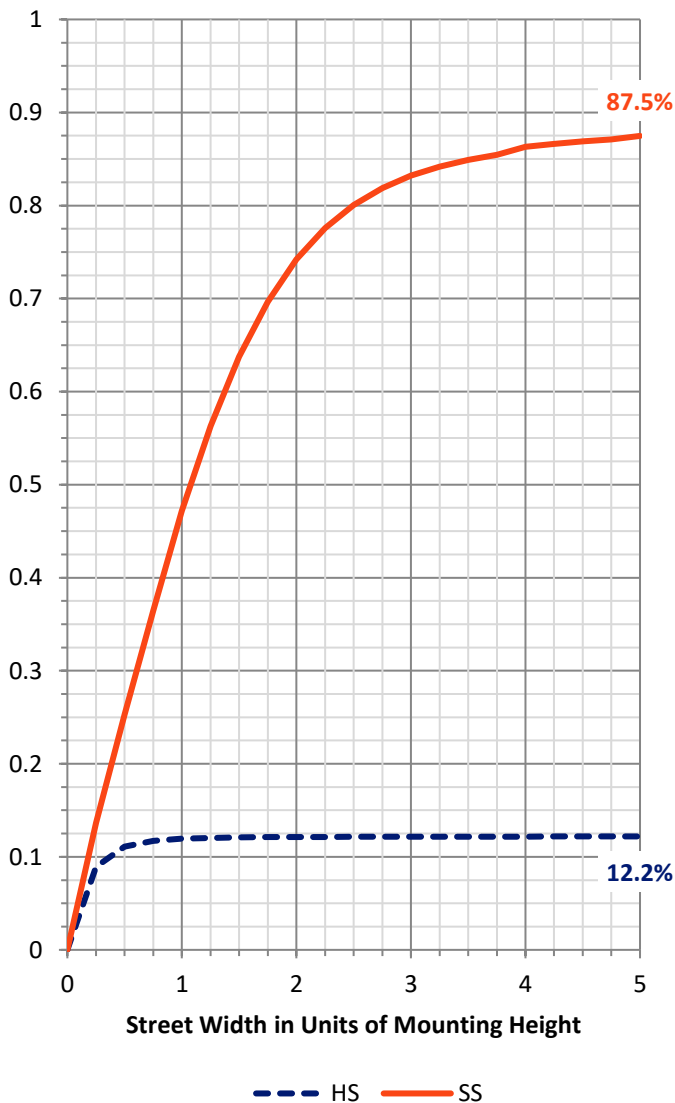
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1880.8   | 0.0    | 1880.8  |
|                    | % Fixture | 12.3     | 0.0    | 12.3    |
| <b>Street Side</b> | Lumens    | 13368.1  | 0.0    | 13368.1 |
|                    | % Fixture | 87.7     | 0.0    | 87.7    |
| <b>Total</b>       | Lumens    | 15248.9  | 0.0    | 15248.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 374.9   | 2.5       |
| 10°-20°   | 744.5   | 4.9       |
| 20°-30°   | 1091.6  | 7.2       |
| 30°-40°   | 1623.4  | 10.6      |
| 40°-50°   | 2362.5  | 15.5      |
| 50°-60°   | 3407.0  | 22.3      |
| 60°-70°   | 3747.3  | 24.6      |
| 70°-80°   | 1678.5  | 11.0      |
| 80°-90°   | 219.3   | 1.4       |
| 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°    | 15248.9 | 100.0     |
| 0°-180°   | 15248.9 | 100.0     |

**Coefficient of Utilization**



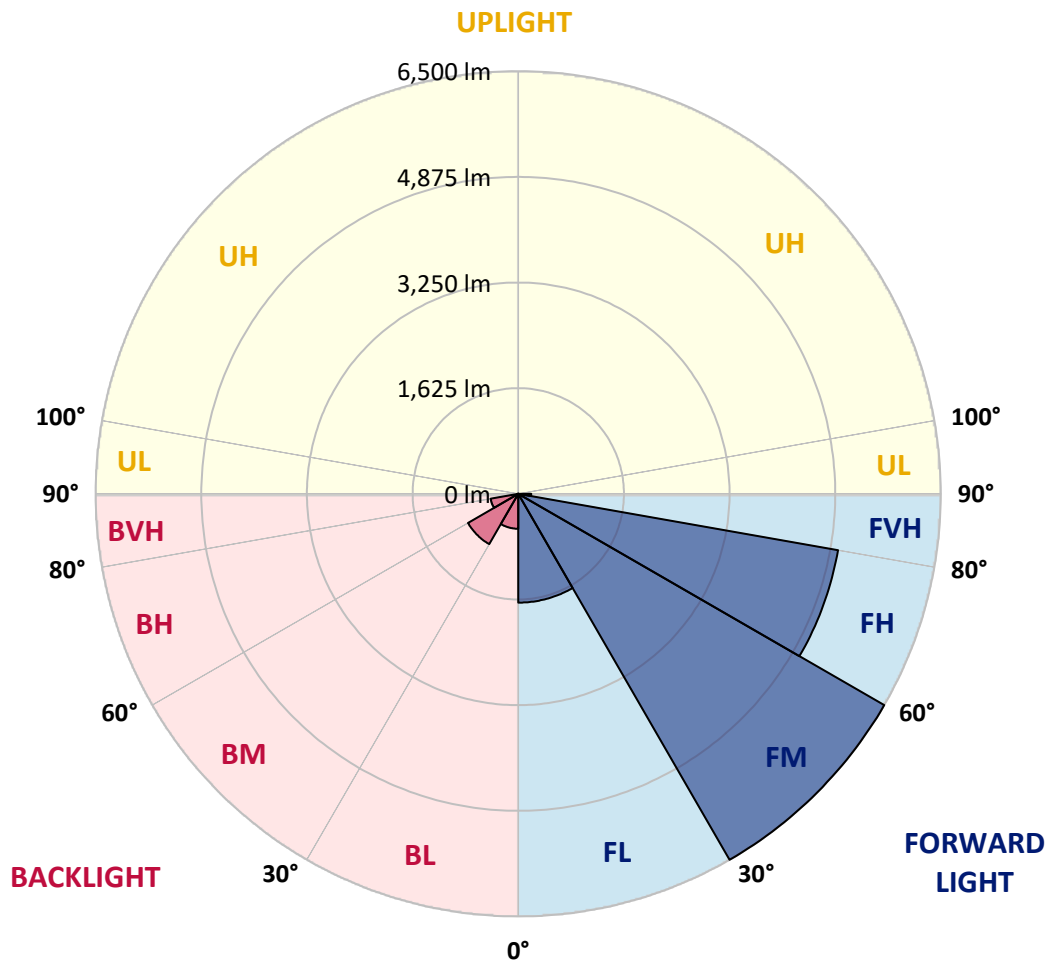
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1673.5 | 11.0      |                         |      |         |
| FM (30°-60°)   | 6499.6 | 42.6      |                         |      |         |
| FH (60°-80°)   | 4994.5 | 32.8      |                         |      | G2/5000 |
| FVH (80°-90°)  | 200.6  | 1.3       |                         |      | G2/225  |
| BL (0°-30°)    | 537.4  | 3.5       | B2/1000                 |      |         |
| BM (30°-60°)   | 893.3  | 5.9       | B1/1000                 |      |         |
| BH (60°-80°)   | 431.3  | 2.8       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 18.7   | 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-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5040.0  | 5040.0  | 5040.0  | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 |
| 2.5°  | 5540.7  | 5516.4  | 5460.7  | 5291.5 | 5144.3 | 4951.9 | 4757.1 | 4604.1 | 4510.2 | 4337.5 | 4258.7 |
| 5°    | 5368.0  | 5379.6  | 5218.5  | 4870.7 | 4483.6 | 4219.3 | 3930.7 | 3701.2 | 3448.5 | 3288.5 | 3120.4 |
| 7.5°  | 4917.1  | 4893.9  | 4718.9  | 4234.4 | 3763.7 | 3381.2 | 3016.1 | 2719.4 | 2532.8 | 2383.2 | 2258.0 |
| 10°   | 4531.1  | 4513.8  | 4290.0  | 3666.4 | 3161.0 | 2874.7 | 2627.8 | 2368.2 | 2167.6 | 1948.5 | 1773.5 |
| 12.5° | 4288.9  | 4249.4  | 3992.1  | 3340.7 | 2929.2 | 2662.6 | 2393.6 | 2123.6 | 1846.5 | 1625.1 | 1413.0 |
| 15°   | 4207.7  | 4150.9  | 3864.6  | 3228.2 | 2780.8 | 2442.3 | 2105.0 | 1794.4 | 1475.6 | 1231.0 | 1071.1 |
| 17.5° | 4355.0  | 4261.0  | 3956.2  | 3208.5 | 2603.5 | 2154.9 | 1739.9 | 1335.3 | 1003.8 | 817.2  | 718.6  |
| 20°   | 4692.2  | 4584.5  | 4188.0  | 3188.8 | 2406.4 | 1832.6 | 1322.6 | 943.5  | 694.4  | 592.3  | 537.8  |
| 22.5° | 5193.0  | 5044.6  | 4531.1  | 3220.1 | 2224.4 | 1518.5 | 955.1  | 666.5  | 551.8  | 488.0  | 449.8  |
| 25°   | 5794.6  | 5670.6  | 4965.8  | 3331.4 | 2080.7 | 1271.6 | 738.4  | 544.8  | 464.8  | 425.4  | 396.4  |
| 27.5° | 6454.2  | 6255.9  | 5528.0  | 3464.7 | 1949.7 | 1080.3 | 647.9  | 486.9  | 413.8  | 377.9  | 362.8  |
| 30°   | 6923.6  | 6769.4  | 5998.6  | 3557.4 | 1786.3 | 936.6  | 592.3  | 479.9  | 415.0  | 372.1  | 344.3  |
| 32.5° | 7387.3  | 7190.2  | 6392.7  | 3600.3 | 1666.9 | 836.9  | 512.3  | 418.4  | 363.9  | 341.9  | 314.1  |
| 35°   | 7883.4  | 7677.1  | 6785.6  | 3577.1 | 1577.6 | 770.9  | 464.8  | 373.3  | 311.8  | 274.8  | 246.9  |
| 37.5° | 8385.3  | 8167.4  | 7176.3  | 3493.7 | 1522.0 | 744.2  | 427.8  | 354.7  | 294.4  | 256.2  | 226.1  |
| 40°   | 8981.1  | 8690.1  | 7542.6  | 3425.3 | 1464.0 | 730.3  | 403.4  | 343.1  | 281.6  | 241.1  | 210.9  |
| 42.5° | 9468.0  | 9190.9  | 7889.2  | 3389.4 | 1424.6 | 697.8  | 403.4  | 333.9  | 273.6  | 228.3  | 197.1  |
| 45°   | 9929.3  | 9641.8  | 8263.5  | 3418.3 | 1408.4 | 657.3  | 408.0  | 332.7  | 267.8  | 219.1  | 187.8  |
| 47.5° | 10315.3 | 10066.1 | 8648.4  | 3527.3 | 1387.5 | 613.2  | 383.7  | 348.9  | 264.3  | 210.9  | 178.5  |
| 50°   | 10770.8 | 10529.7 | 9157.3  | 3747.5 | 1350.4 | 569.2  | 353.5  | 375.5  | 263.2  | 204.0  | 170.4  |
| 52.5° | 11413.0 | 11152.2 | 9859.8  | 3997.9 | 1291.3 | 501.9  | 325.7  | 372.1  | 258.5  | 192.4  | 162.3  |
| 55°   | 12197.7 | 11986.8 | 10673.5 | 4298.1 | 1210.1 | 426.6  | 281.6  | 330.3  | 244.6  | 172.7  | 148.4  |
| 57.5° | 12700.8 | 12521.1 | 11283.2 | 4427.9 | 1086.1 | 348.9  | 248.1  | 277.0  | 223.7  | 154.2  | 132.2  |
| 59°   | 12759.9 | 12597.7 | 11410.7 | 4385.0 | 1005.0 | 318.8  | 231.8  | 237.6  | 217.9  | 143.8  | 122.9  |
| 60°   | 12710.1 | 12542.0 | 11359.7 | 4301.6 | 929.7  | 297.9  | 217.9  | 210.9  | 219.1  | 138.0  | 115.9  |
| 62.5° | 12390.2 | 12102.7 | 10864.8 | 3878.5 | 812.6  | 273.6  | 193.6  | 172.7  | 193.6  | 124.0  | 103.2  |
| 65°   | 11772.3 | 11341.1 | 9885.2  | 3282.7 | 766.2  | 259.6  | 164.6  | 144.9  | 147.2  | 109.0  | 89.3   |
| 67.5° | 10693.2 | 10149.6 | 8581.2  | 2667.2 | 746.5  | 260.8  | 139.1  | 129.8  | 113.6  | 92.7   | 78.8   |
| 70°   | 8986.9  | 8444.4  | 6885.4  | 2194.3 | 737.2  | 260.8  | 118.2  | 111.3  | 95.1   | 77.7   | 68.4   |
| 72.5° | 6368.4  | 5784.2  | 4644.8  | 1723.7 | 664.2  | 259.6  | 100.9  | 100.9  | 77.7   | 64.9   | 55.7   |
| 75°   | 3598.0  | 3602.7  | 2919.9  | 1219.4 | 551.8  | 214.5  | 81.1   | 79.9   | 56.8   | 49.9   | 41.7   |
| 77.5° | 2096.9  | 2059.8  | 1968.2  | 523.9  | 256.2  | 97.4   | 56.8   | 48.7   | 39.4   | 35.9   | 30.1   |
| 80°   | 1078.0  | 886.7   | 863.6   | 190.1  | 91.6   | 61.5   | 39.4   | 27.8   | 25.5   | 23.2   | 20.8   |
| 82.5° | 318.8   | 319.9   | 285.2   | 76.5   | 51.0   | 40.6   | 19.7   | 15.0   | 13.9   | 12.8   | 12.8   |
| 85°   | 22.0    | 13.9    | 16.2    | 23.2   | 31.3   | 16.2   | 1.2    | 3.4    | 3.4    | 4.6    | 5.8    |
| 87.5° | 2.3     | 1.2     | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 |
| 2.5°  | 4171.7 | 4222.8 | 4127.7 | 4130.1 | 4051.2 | 4076.8 | 3984.0 | 4014.1 | 3959.6 | 4001.4 | 4124.3 |
| 5°    | 3139.0 | 3150.6 | 3074.1 | 3049.7 | 3061.3 | 3108.8 | 3127.4 | 3042.7 | 3078.7 | 3008.0 | 3003.4 |
| 7.5°  | 2211.7 | 2225.6 | 2181.5 | 2175.7 | 2259.2 | 2239.5 | 2275.4 | 2188.5 | 2106.2 | 2142.1 | 2076.0 |
| 10°   | 1717.8 | 1659.9 | 1569.5 | 1544.0 | 1527.8 | 1538.2 | 1538.2 | 1459.4 | 1447.8 | 1416.4 | 1464.0 |
| 12.5° | 1356.2 | 1285.5 | 1199.7 | 1083.8 | 1054.9 | 1052.5 | 1009.6 | 940.1  | 918.1  | 891.4  | 930.8  |
| 15°   | 985.2  | 956.3  | 884.4  | 819.5  | 753.5  | 740.7  | 671.1  | 614.3  | 539.0  | 528.6  | 525.1  |
| 17.5° | 693.2  | 650.3  | 649.1  | 612.0  | 573.8  | 548.3  | 483.3  | 418.4  | 389.5  | 386.0  | 386.0  |
| 20°   | 519.3  | 504.3  | 479.9  | 475.3  | 463.7  | 434.6  | 376.7  | 341.9  | 328.1  | 329.2  | 333.9  |
| 22.5° | 437.0  | 426.6  | 404.6  | 394.1  | 389.5  | 363.9  | 321.1  | 297.9  | 291.0  | 291.0  | 292.1  |
| 25°   | 390.6  | 381.4  | 357.0  | 340.8  | 335.0  | 316.4  | 282.8  | 265.4  | 259.6  | 259.6  | 259.6  |
| 27.5° | 355.9  | 344.3  | 318.8  | 304.8  | 294.4  | 273.6  | 252.7  | 235.3  | 229.5  | 229.5  | 230.7  |
| 30°   | 331.5  | 318.8  | 295.6  | 277.0  | 260.8  | 242.3  | 224.9  | 209.8  | 202.9  | 201.7  | 202.9  |
| 32.5° | 299.0  | 287.4  | 264.3  | 252.7  | 234.1  | 212.1  | 198.2  | 184.3  | 177.3  | 178.5  | 177.3  |
| 35°   | 233.0  | 229.5  | 213.3  | 216.7  | 206.3  | 187.8  | 175.0  | 160.0  | 151.8  | 150.7  | 153.0  |
| 37.5° | 212.1  | 198.2  | 179.7  | 180.8  | 177.3  | 170.4  | 149.6  | 133.3  | 127.5  | 127.5  | 128.6  |
| 40°   | 195.9  | 182.0  | 161.1  | 150.7  | 151.8  | 151.8  | 129.8  | 112.4  | 106.6  | 105.5  | 107.8  |
| 42.5° | 182.0  | 168.1  | 144.9  | 127.5  | 122.9  | 128.6  | 110.1  | 92.7   | 86.9   | 84.6   | 86.9   |
| 45°   | 172.7  | 157.6  | 131.0  | 111.3  | 97.4   | 104.3  | 90.4   | 76.5   | 69.5   | 69.5   | 68.4   |
| 47.5° | 163.4  | 149.6  | 120.6  | 96.2   | 81.1   | 77.7   | 74.2   | 61.5   | 54.5   | 53.3   | 54.5   |
| 50°   | 155.3  | 141.4  | 109.0  | 83.5   | 68.4   | 60.3   | 60.3   | 48.7   | 44.1   | 41.7   | 42.9   |
| 52.5° | 147.2  | 132.2  | 98.5   | 74.2   | 59.1   | 48.7   | 42.9   | 39.4   | 35.9   | 34.8   | 35.9   |
| 55°   | 135.6  | 120.6  | 88.1   | 63.7   | 51.0   | 40.6   | 33.6   | 32.5   | 30.1   | 27.8   | 30.1   |
| 57.5° | 121.7  | 107.8  | 77.7   | 54.5   | 40.6   | 31.3   | 27.8   | 26.6   | 24.4   | 23.2   | 23.2   |
| 59°   | 113.6  | 100.9  | 71.9   | 47.5   | 35.9   | 27.8   | 25.5   | 24.4   | 22.0   | 19.7   | 20.8   |
| 60°   | 109.0  | 98.5   | 68.4   | 44.1   | 32.5   | 25.5   | 23.2   | 22.0   | 19.7   | 18.6   | 19.7   |
| 62.5° | 96.2   | 88.1   | 60.3   | 35.9   | 25.5   | 18.6   | 16.2   | 17.4   | 16.2   | 15.0   | 16.2   |
| 65°   | 84.6   | 77.7   | 51.0   | 27.8   | 19.7   | 12.8   | 11.6   | 15.0   | 13.9   | 12.8   | 13.9   |
| 67.5° | 75.3   | 67.3   | 42.9   | 20.8   | 13.9   | 7.0    | 8.1    | 12.8   | 12.8   | 11.6   | 12.8   |
| 70°   | 64.9   | 57.9   | 34.8   | 15.0   | 7.0    | 3.4    | 5.8    | 9.2    | 11.6   | 10.4   | 11.6   |
| 72.5° | 53.3   | 45.2   | 26.6   | 10.4   | 3.4    | 0.0    | 3.4    | 8.1    | 11.6   | 10.4   | 11.6   |
| 75°   | 41.7   | 33.6   | 19.7   | 5.8    | 0.0    | 0.0    | 1.2    | 7.0    | 11.6   | 10.4   | 11.6   |
| 77.5° | 30.1   | 24.4   | 11.6   | 1.2    | 0.0    | 0.0    | 1.2    | 7.0    | 11.6   | 10.4   | 11.6   |
| 80°   | 19.7   | 17.4   | 4.6    | 0.0    | 0.0    | 0.0    | 1.2    | 7.0    | 11.6   | 11.6   | 12.8   |
| 82.5° | 12.8   | 9.2    | 0.0    | 0.0    | 0.0    | 0.0    | 2.3    | 9.2    | 12.8   | 13.9   | 13.9   |
| 85°   | 5.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.6    | 11.6   | 15.0   | 15.0   | 15.0   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.3    | 8.1    | 13.9   | 17.4   | 17.4   | 17.4   |
| 90°   | 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):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0 | 5040.0  | 5040.0  | 5040.0  |
| 2.5°  | 4145.1 | 4218.2 | 4321.3 | 4480.1 | 4608.8 | 4811.6 | 4967.0 | 5179.1 | 5393.5  | 5458.4  | 5559.3  |
| 5°    | 3050.9 | 3144.8 | 3379.0 | 3592.2 | 3726.7 | 4155.5 | 4426.8 | 4854.5 | 5238.2  | 5422.5  | 5623.0  |
| 7.5°  | 2119.0 | 2230.2 | 2408.7 | 2706.6 | 2989.4 | 3338.3 | 3776.5 | 4265.7 | 4827.9  | 5091.0  | 5373.8  |
| 10°   | 1487.2 | 1626.3 | 1877.8 | 2122.4 | 2478.3 | 2809.8 | 3242.2 | 3782.3 | 4402.4  | 4713.1  | 5067.8  |
| 12.5° | 938.9  | 1062.9 | 1395.6 | 1670.4 | 2114.3 | 2499.1 | 2897.9 | 3387.0 | 4105.7  | 4424.5  | 4796.6  |
| 15°   | 536.7  | 641.0  | 796.3  | 1148.7 | 1641.3 | 2150.2 | 2647.5 | 3215.5 | 3953.8  | 4346.8  | 4749.1  |
| 17.5° | 399.9  | 427.8  | 497.3  | 696.6  | 1145.2 | 1739.9 | 2416.8 | 3163.3 | 4057.0  | 4518.4  | 4977.4  |
| 20°   | 336.1  | 354.7  | 387.2  | 466.0  | 730.3  | 1339.9 | 2191.9 | 3172.6 | 4390.8  | 4970.4  | 5406.3  |
| 22.5° | 301.4  | 313.0  | 339.7  | 390.6  | 498.5  | 976.0  | 1928.8 | 3227.1 | 4795.4  | 5525.7  | 6028.7  |
| 25°   | 264.3  | 279.4  | 302.6  | 346.6  | 415.0  | 677.0  | 1669.2 | 3348.8 | 5362.2  | 6230.4  | 6703.3  |
| 27.5° | 235.3  | 249.2  | 272.4  | 313.0  | 363.9  | 517.0  | 1366.6 | 3453.1 | 5960.4  | 6939.8  | 7327.0  |
| 30°   | 206.3  | 220.3  | 243.4  | 275.9  | 322.3  | 418.4  | 1040.9 | 3514.6 | 6541.1  | 7471.9  | 7769.8  |
| 32.5° | 182.0  | 193.6  | 215.6  | 244.6  | 282.8  | 354.7  | 820.7  | 3450.8 | 6985.1  | 7955.3  | 8154.6  |
| 35°   | 157.6  | 171.6  | 190.1  | 216.7  | 250.4  | 302.6  | 682.8  | 3230.6 | 7366.4  | 8452.6  | 8524.4  |
| 37.5° | 132.2  | 148.4  | 168.1  | 192.4  | 219.1  | 278.2  | 548.3  | 2987.1 | 7774.4  | 9072.7  | 8954.5  |
| 40°   | 111.3  | 126.4  | 144.9  | 171.6  | 195.9  | 255.0  | 422.0  | 2727.5 | 8214.9  | 9654.5  | 9423.9  |
| 42.5° | 90.4   | 106.6  | 128.6  | 153.0  | 193.6  | 222.5  | 326.9  | 2458.5 | 8610.2  | 10161.1 | 9848.2  |
| 45°   | 71.9   | 85.7   | 109.0  | 140.2  | 192.4  | 191.3  | 252.7  | 2193.1 | 8908.1  | 10522.7 | 10164.6 |
| 47.5° | 56.8   | 68.4   | 91.6   | 136.8  | 177.3  | 162.3  | 202.9  | 2028.5 | 9221.1  | 10848.5 | 10406.9 |
| 50°   | 45.2   | 56.8   | 78.8   | 142.6  | 155.3  | 139.1  | 170.4  | 2055.1 | 9523.6  | 11014.2 | 10506.5 |
| 52.5° | 38.3   | 49.9   | 68.4   | 112.4  | 119.4  | 121.7  | 149.6  | 2178.1 | 9914.2  | 11191.6 | 10704.8 |
| 55°   | 33.6   | 44.1   | 57.9   | 78.8   | 92.7   | 109.0  | 136.8  | 2267.3 | 10437.0 | 11571.8 | 11141.8 |
| 57.5° | 26.6   | 38.3   | 52.1   | 67.3   | 76.5   | 95.1   | 126.4  | 2274.2 | 10909.9 | 12059.8 | 11722.5 |
| 59°   | 24.4   | 34.8   | 48.7   | 63.7   | 68.4   | 85.7   | 119.4  | 2215.1 | 10927.3 | 12132.8 | 11989.1 |
| 60°   | 22.0   | 33.6   | 46.4   | 59.1   | 64.9   | 81.1   | 113.6  | 2146.8 | 10769.7 | 12016.9 | 12099.2 |
| 62.5° | 18.6   | 29.0   | 40.6   | 47.5   | 55.7   | 67.3   | 98.5   | 1898.7 | 10005.8 | 11491.9 | 11895.2 |
| 65°   | 16.2   | 25.5   | 34.8   | 39.4   | 46.4   | 57.9   | 86.9   | 1519.6 | 9162.0  | 10780.1 | 11311.0 |
| 67.5° | 15.0   | 23.2   | 30.1   | 33.6   | 40.6   | 53.3   | 77.7   | 1073.3 | 8068.8  | 9877.2  | 10433.6 |
| 70°   | 13.9   | 22.0   | 26.6   | 31.3   | 35.9   | 45.2   | 66.1   | 625.9  | 6215.4  | 8293.7  | 8881.4  |
| 72.5° | 13.9   | 20.8   | 23.2   | 26.6   | 31.3   | 40.6   | 61.5   | 338.5  | 4249.4  | 6326.6  | 7085.9  |
| 75°   | 13.9   | 19.7   | 20.8   | 23.2   | 27.8   | 37.1   | 54.5   | 177.3  | 2747.2  | 4395.5  | 5424.9  |
| 77.5° | 13.9   | 18.6   | 20.8   | 22.0   | 26.6   | 32.5   | 47.5   | 111.3  | 1830.3  | 3078.7  | 3666.4  |
| 80°   | 15.0   | 18.6   | 19.7   | 22.0   | 25.5   | 30.1   | 39.4   | 74.2   | 1075.7  | 1852.3  | 2231.4  |
| 82.5° | 16.2   | 18.6   | 20.8   | 23.2   | 26.6   | 29.0   | 34.8   | 46.4   | 496.1   | 1225.2  | 1386.4  |
| 85°   | 17.4   | 19.7   | 22.0   | 24.4   | 27.8   | 29.0   | 32.5   | 33.6   | 81.1    | 552.9   | 747.7   |
| 87.5° | 18.6   | 20.8   | 23.2   | 25.5   | 30.1   | 30.1   | 30.1   | 30.1   | 27.8    | 59.1    | 150.7   |
| 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: P648000

CATALOG NUMBER: GALN-SA6A-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5040.0  | 5040.0  | 5040.0  | 5040.0  | 5040.0  | 5040.0  | 5040.0  | 5040.0  | 5040.0  | 5040.0  |
| 2.5°  | 5686.8  | 5817.8  | 5909.4  | 5932.6  | 5866.5  | 5836.3  | 5752.9  | 5623.0  | 5544.2  | 5540.7  |
| 5°    | 5992.8  | 6300.0  | 6513.3  | 6549.2  | 6421.7  | 6206.1  | 5949.9  | 5619.6  | 5426.0  | 5368.0  |
| 7.5°  | 5940.6  | 6478.5  | 6821.6  | 6871.5  | 6657.0  | 6245.5  | 5749.4  | 5217.4  | 5006.3  | 4917.1  |
| 10°   | 5726.2  | 6382.3  | 6872.6  | 6951.4  | 6665.1  | 6085.6  | 5454.9  | 4861.5  | 4599.5  | 4531.1  |
| 12.5° | 5543.1  | 6206.1  | 6642.0  | 6750.9  | 6534.1  | 5955.7  | 5278.8  | 4633.1  | 4352.6  | 4288.9  |
| 15°   | 5463.1  | 5997.5  | 6264.1  | 6319.7  | 6283.7  | 5874.6  | 5260.2  | 4598.3  | 4277.3  | 4207.7  |
| 17.5° | 5543.1  | 5820.1  | 5853.7  | 5910.5  | 5990.5  | 5866.5  | 5438.7  | 4787.3  | 4440.7  | 4355.0  |
| 20°   | 5752.9  | 5665.9  | 5526.8  | 5551.2  | 5734.3  | 5900.1  | 5756.4  | 5205.8  | 4783.8  | 4692.2  |
| 22.5° | 6109.9  | 5627.7  | 5312.4  | 5291.5  | 5523.4  | 6012.5  | 6222.3  | 5772.6  | 5283.4  | 5193.0  |
| 25°   | 6548.1  | 5723.9  | 5233.6  | 5188.4  | 5441.1  | 6177.1  | 6728.9  | 6466.9  | 5932.6  | 5794.6  |
| 27.5° | 7025.6  | 5923.2  | 5233.6  | 5189.5  | 5434.1  | 6323.2  | 7162.4  | 7081.2  | 6604.8  | 6454.2  |
| 30°   | 7287.6  | 6087.8  | 5308.9  | 5259.1  | 5519.9  | 6407.8  | 7394.3  | 7627.2  | 7110.3  | 6923.6  |
| 32.5° | 7521.7  | 6316.2  | 5456.1  | 5362.2  | 5699.5  | 6533.0  | 7601.7  | 8090.9  | 7512.5  | 7387.3  |
| 35°   | 7737.3  | 6560.8  | 5659.0  | 5550.0  | 5936.0  | 6704.5  | 7831.3  | 8577.7  | 8072.3  | 7883.4  |
| 37.5° | 7974.9  | 6844.8  | 5975.4  | 5882.7  | 6331.3  | 7038.4  | 8103.7  | 9217.6  | 8622.9  | 8385.3  |
| 40°   | 8233.5  | 7174.0  | 6495.8  | 6456.5  | 6959.5  | 7416.3  | 8447.9  | 9900.3  | 9251.1  | 8981.1  |
| 42.5° | 8496.6  | 7553.1  | 7133.4  | 7198.4  | 7671.3  | 7946.0  | 8801.5  | 10425.4 | 9765.8  | 9468.0  |
| 45°   | 8735.4  | 8037.6  | 7962.2  | 8283.3  | 8501.2  | 8463.0  | 9063.4  | 10795.1 | 10214.5 | 9929.3  |
| 47.5° | 9036.8  | 8743.4  | 8964.9  | 9459.8  | 9465.6  | 9025.2  | 9261.6  | 11097.7 | 10600.4 | 10315.3 |
| 50°   | 9374.1  | 9576.9  | 10259.6 | 10763.9 | 10628.3 | 9578.0  | 9493.5  | 11455.9 | 10999.2 | 10770.8 |
| 52.5° | 9764.7  | 10510.1 | 11455.9 | 12015.8 | 11699.3 | 10180.8 | 9879.4  | 11843.0 | 11632.1 | 11413.0 |
| 55°   | 10219.1 | 11146.4 | 12648.7 | 13094.9 | 12776.1 | 10929.7 | 10466.0 | 12368.1 | 12347.3 | 12197.7 |
| 57.5° | 10732.6 | 11818.7 | 13339.5 | 13943.4 | 13659.4 | 11808.3 | 11285.5 | 12863.1 | 12784.3 | 12700.8 |
| 59°   | 11138.3 | 12164.1 | 13644.4 | 14270.3 | 14098.8 | 12423.8 | 11836.1 | 13171.5 | 12885.1 | 12759.9 |
| 60°   | 11384.0 | 12398.3 | 13756.8 | 14314.3 | 14275.0 | 12790.1 | 12185.0 | 13322.1 | 12884.0 | 12710.1 |
| 62.5° | 12113.1 | 12807.5 | 13713.9 | 14118.4 | 14272.6 | 13492.5 | 13208.5 | 13487.9 | 12645.2 | 12390.2 |
| 65°   | 12372.8 | 12671.8 | 13003.4 | 12953.5 | 13085.7 | 13456.6 | 13862.3 | 13305.9 | 12135.2 | 11772.3 |
| 67.5° | 11867.4 | 11184.6 | 11301.7 | 10969.0 | 10904.1 | 11963.6 | 13596.9 | 12415.6 | 11137.2 | 10693.2 |
| 70°   | 10003.5 | 8568.4  | 8509.3  | 8662.3  | 8242.7  | 9685.9  | 12209.3 | 10701.3 | 9490.0  | 8986.9  |
| 72.5° | 7874.1  | 6055.4  | 5557.0  | 6120.3  | 6107.6  | 7389.6  | 10142.6 | 7593.6  | 6411.3  | 6368.4  |
| 75°   | 6192.2  | 4215.8  | 3700.0  | 3791.6  | 3967.8  | 5349.5  | 8078.1  | 4822.1  | 3948.0  | 3598.0  |
| 77.5° | 4156.7  | 2987.1  | 2786.6  | 2674.2  | 2864.3  | 3434.6  | 5110.7  | 2615.1  | 2214.0  | 2096.9  |
| 80°   | 2396.0  | 2169.9  | 2464.3  | 2237.2  | 2339.1  | 2164.1  | 2542.0  | 1199.7  | 995.7   | 1078.0  |
| 82.5° | 1559.0  | 1235.7  | 1316.8  | 978.4   | 1337.7  | 1349.3  | 816.0   | 354.7   | 300.2   | 318.8   |
| 85°   | 974.8   | 579.6   | 325.7   | 231.8   | 461.3   | 848.5   | 255.0   | 22.0    | 25.5    | 22.0    |
| 87.5° | 252.7   | 96.2    | 40.6    | 60.3    | 74.2    | 66.1    | 59.1    | 3.4     | 1.2     | 2.3     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)