

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: P453916

Luminaire Tested: **GLAN-SA5A-727-U-SLR-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P453916  
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: STREETWORKS  
Catalog Number: GLAN-SA5A-727-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 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: 13755 lumens  
Efficiency: N/A  
Efficacy: 89.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

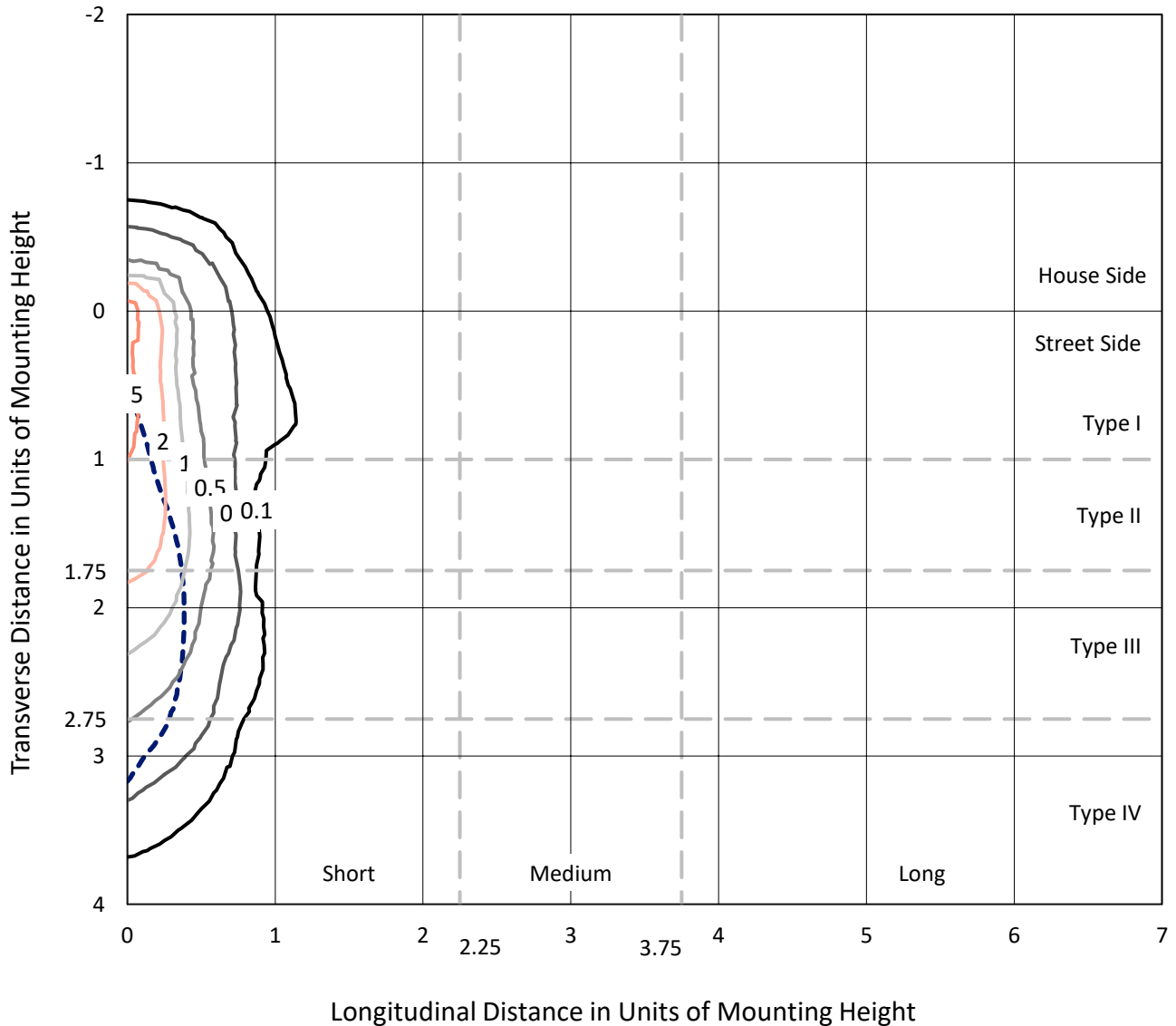
Input Watts (W): 154  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

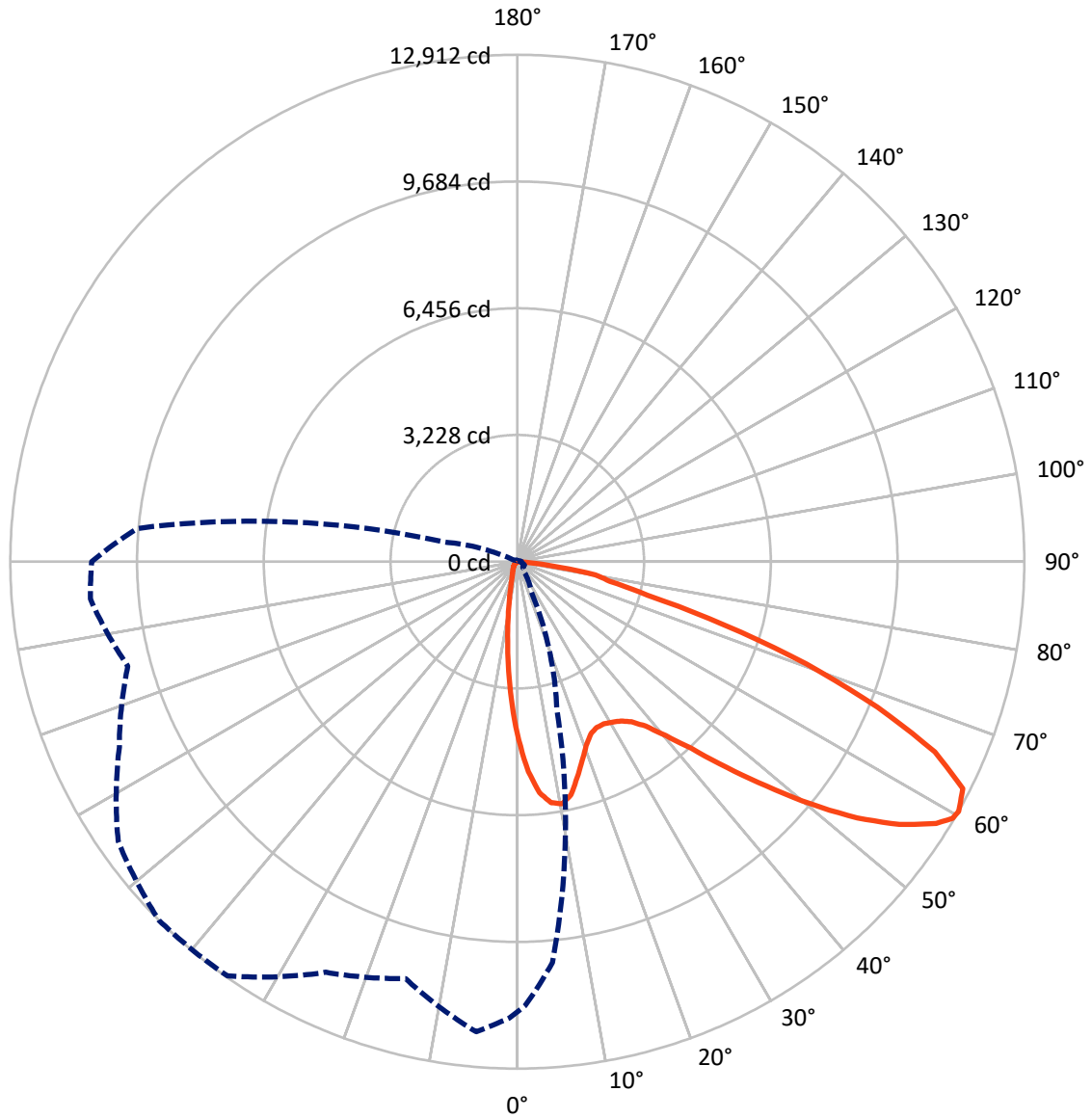
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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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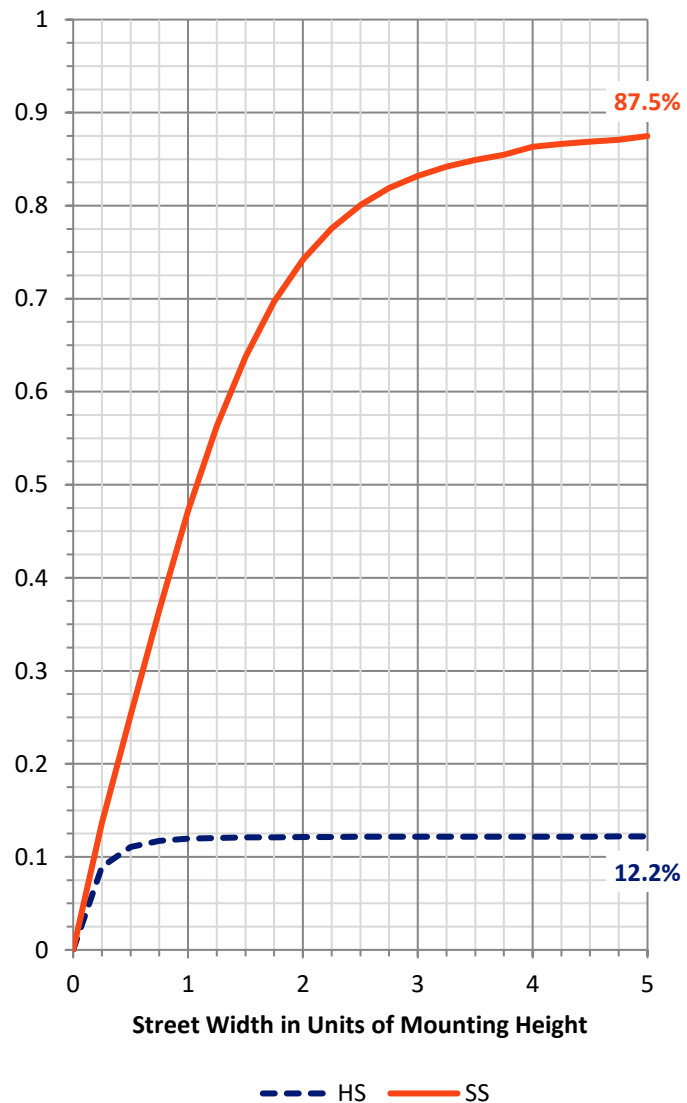
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1696.5   | 0.0    | 1696.5  |
|                    | % Fixture | 12.3     | 0.0    | 12.3    |
| <b>Street Side</b> | Lumens    | 12058.5  | 0.0    | 12058.5 |
|                    | % Fixture | 87.7     | 0.0    | 87.7    |
| <b>Total</b>       | Lumens    | 13755.0  | 0.0    | 13755.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 338.1   | 2.5       |
| 10°-20°   | 671.5   | 4.9       |
| 20°-30°   | 984.7   | 7.2       |
| 30°-40°   | 1464.3  | 10.6      |
| 40°-50°   | 2131.1  | 15.5      |
| 50°-60°   | 3073.2  | 22.3      |
| 60°-70°   | 3380.2  | 24.6      |
| 70°-80°   | 1514.0  | 11.0      |
| 80°-90°   | 197.8   | 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°    | 13755.0 | 100.0     |
| 0°-180°   | 13755.0 | 100.0     |



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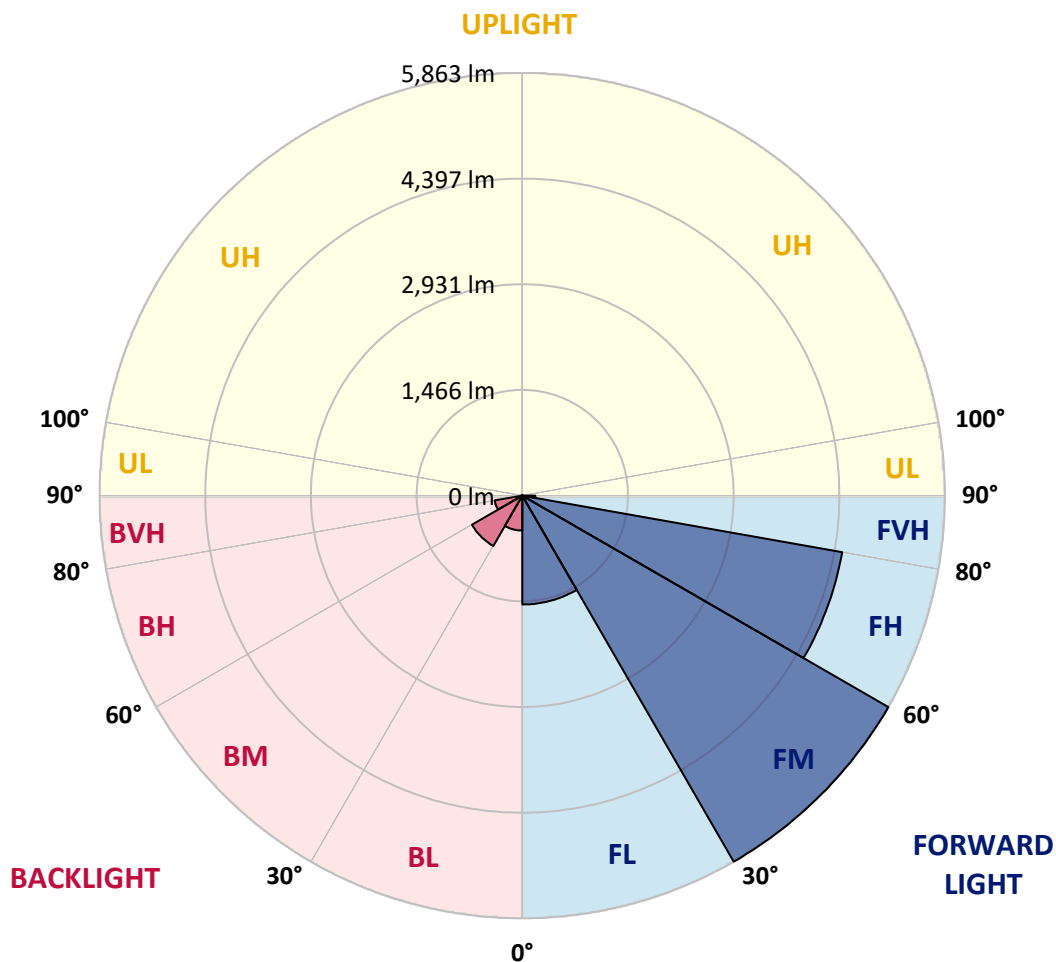
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1509.6 | 11.0      |                         |      |         |
| FM (30°-60°)   | 5862.8 | 42.6      |                         |      |         |
| FH (60°-80°)   | 4505.2 | 32.8      |                         |      | G2/5000 |
| FVH (80°-90°)  | 180.9  | 1.3       |                         |      | G2/225  |
| BL (0°-30°)    | 484.8  | 3.5       | B1/500                  |      |         |
| BM (30°-60°)   | 805.8  | 5.9       | B1/1000                 |      |         |
| BH (60°-80°)   | 389.1  | 2.8       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 16.9   | 0.1       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4546.2  | 4546.2  | 4546.2  | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 |
| 2.5°  | 4997.9  | 4976.0  | 4925.8  | 4773.1 | 4640.3 | 4466.8 | 4291.1 | 4153.1 | 4068.4 | 3912.6 | 3841.5 |
| 5°    | 4842.1  | 4852.6  | 4707.2  | 4393.6 | 4044.3 | 3805.9 | 3545.6 | 3338.6 | 3110.6 | 2966.3 | 2814.7 |
| 7.5°  | 4435.4  | 4414.5  | 4256.6  | 3819.5 | 3395.0 | 3050.0 | 2720.6 | 2453.0 | 2284.6 | 2149.7 | 2036.8 |
| 10°   | 4087.2  | 4071.5  | 3869.7  | 3307.2 | 2851.3 | 2593.1 | 2370.4 | 2136.1 | 1955.3 | 1757.6 | 1599.8 |
| 12.5° | 3868.7  | 3833.1  | 3601.0  | 3013.4 | 2642.2 | 2401.7 | 2159.1 | 1915.5 | 1665.6 | 1465.9 | 1274.6 |
| 15°   | 3795.5  | 3744.3  | 3486.0  | 2912.0 | 2508.4 | 2203.1 | 1898.8 | 1618.6 | 1331.0 | 1110.4 | 966.1  |
| 17.5° | 3928.3  | 3843.6  | 3568.6  | 2894.2 | 2348.4 | 1943.8 | 1569.4 | 1204.5 | 905.5  | 737.1  | 648.3  |
| 20°   | 4232.5  | 4135.3  | 3777.7  | 2876.4 | 2170.6 | 1653.1 | 1193.0 | 851.1  | 626.3  | 534.3  | 485.2  |
| 22.5° | 4684.2  | 4550.4  | 4087.2  | 2904.6 | 2006.5 | 1369.7 | 861.6  | 601.2  | 497.7  | 440.2  | 405.7  |
| 25°   | 5226.9  | 5115.0  | 4479.3  | 3005.0 | 1876.8 | 1147.0 | 666.0  | 491.4  | 419.3  | 383.7  | 357.6  |
| 27.5° | 5821.8  | 5643.0  | 4986.4  | 3125.3 | 1758.7 | 974.5  | 584.5  | 439.1  | 373.3  | 340.9  | 327.3  |
| 30°   | 6245.3  | 6106.2  | 5410.9  | 3208.9 | 1611.3 | 844.8  | 534.3  | 432.9  | 374.3  | 335.6  | 310.5  |
| 32.5° | 6663.5  | 6485.8  | 5766.4  | 3247.6 | 1503.6 | 754.9  | 462.2  | 377.5  | 328.3  | 308.4  | 283.4  |
| 35°   | 7111.1  | 6924.9  | 6120.9  | 3226.7 | 1423.0 | 695.3  | 419.3  | 336.7  | 281.3  | 247.8  | 222.7  |
| 37.5° | 7563.8  | 7367.2  | 6473.2  | 3151.4 | 1372.9 | 671.3  | 385.8  | 320.0  | 265.6  | 231.1  | 203.9  |
| 40°   | 8101.2  | 7838.8  | 6803.7  | 3089.7 | 1320.6 | 658.7  | 363.9  | 309.5  | 254.1  | 217.5  | 190.3  |
| 42.5° | 8540.4  | 8290.5  | 7116.3  | 3057.3 | 1285.0 | 629.4  | 363.9  | 301.1  | 246.8  | 206.0  | 177.8  |
| 45°   | 8956.5  | 8697.2  | 7454.0  | 3083.4 | 1270.4 | 592.8  | 368.0  | 300.1  | 241.5  | 197.6  | 169.4  |
| 47.5° | 9304.7  | 9079.9  | 7801.1  | 3181.7 | 1251.6 | 553.1  | 346.1  | 314.7  | 238.4  | 190.3  | 161.0  |
| 50°   | 9715.6  | 9498.1  | 8260.2  | 3380.4 | 1218.1 | 513.4  | 318.9  | 338.8  | 237.3  | 184.0  | 153.7  |
| 52.5° | 10294.9 | 10059.6 | 8893.8  | 3606.2 | 1164.8 | 452.7  | 293.8  | 335.6  | 233.2  | 173.6  | 146.4  |
| 55°   | 11002.7 | 10812.4 | 9627.8  | 3877.0 | 1091.6 | 384.8  | 254.1  | 298.0  | 220.6  | 155.8  | 133.8  |
| 57.5° | 11456.5 | 11294.5 | 10177.8 | 3994.2 | 979.7  | 314.7  | 223.8  | 249.9  | 201.8  | 139.1  | 119.2  |
| 59°   | 11509.9 | 11363.5 | 10292.8 | 3955.5 | 906.5  | 287.5  | 209.1  | 214.3  | 196.6  | 129.7  | 110.8  |
| 60°   | 11464.9 | 11313.3 | 10246.8 | 3880.2 | 838.6  | 268.7  | 196.6  | 190.3  | 197.6  | 124.4  | 104.6  |
| 62.5° | 11176.3 | 10917.0 | 9800.3  | 3498.5 | 733.0  | 246.8  | 174.6  | 155.8  | 174.6  | 111.9  | 93.1   |
| 65°   | 10619.0 | 10230.0 | 8916.8  | 2961.1 | 691.1  | 234.2  | 148.5  | 130.7  | 132.8  | 98.3   | 80.5   |
| 67.5° | 9645.6  | 9155.2  | 7740.5  | 2405.9 | 673.4  | 235.3  | 125.5  | 117.1  | 102.5  | 83.6   | 71.1   |
| 70°   | 8106.5  | 7617.1  | 6210.8  | 1979.3 | 665.0  | 235.3  | 106.7  | 100.4  | 85.7   | 70.1   | 61.7   |
| 72.5° | 5744.5  | 5217.5  | 4189.7  | 1554.8 | 599.1  | 234.2  | 91.0   | 91.0   | 70.1   | 58.6   | 50.2   |
| 75°   | 3245.5  | 3249.7  | 2633.8  | 1100.0 | 497.7  | 193.4  | 73.2   | 72.1   | 51.2   | 45.0   | 37.6   |
| 77.5° | 1891.5  | 1858.0  | 1775.4  | 472.6  | 231.1  | 87.8   | 51.2   | 43.9   | 35.6   | 32.4   | 27.2   |
| 80°   | 972.4   | 799.9   | 779.0   | 171.5  | 82.6   | 55.4   | 35.6   | 25.1   | 23.0   | 20.9   | 18.8   |
| 82.5° | 287.5   | 288.6   | 257.2   | 69.0   | 46.0   | 36.6   | 17.8   | 13.6   | 12.5   | 11.5   | 11.5   |
| 85°   | 19.9    | 12.5    | 14.6    | 20.9   | 28.2   | 14.6   | 1.0    | 3.1    | 3.1    | 4.2    | 5.2    |
| 87.5° | 2.1     | 1.0     | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 |
| 2.5°  | 3763.1 | 3809.1 | 3723.3 | 3725.4 | 3654.3 | 3677.3 | 3593.7 | 3620.9 | 3571.7 | 3609.4 | 3720.2 |
| 5°    | 2831.5 | 2841.9 | 2772.9 | 2750.9 | 2761.4 | 2804.3 | 2821.0 | 2744.7 | 2777.1 | 2713.3 | 2709.1 |
| 7.5°  | 1995.0 | 2007.5 | 1967.8 | 1962.6 | 2037.9 | 2020.1 | 2052.5 | 1974.1 | 1899.8 | 1932.2 | 1872.7 |
| 10°   | 1549.6 | 1497.3 | 1415.7 | 1392.7 | 1378.1 | 1387.5 | 1387.5 | 1316.4 | 1305.9 | 1277.7 | 1320.6 |
| 12.5° | 1223.3 | 1159.6 | 1082.2 | 977.6  | 951.5  | 949.4  | 910.7  | 848.0  | 828.1  | 804.1  | 839.6  |
| 15°   | 888.8  | 862.6  | 797.8  | 739.2  | 679.6  | 668.1  | 605.4  | 554.2  | 486.2  | 476.8  | 473.7  |
| 17.5° | 625.3  | 586.6  | 585.5  | 552.1  | 517.6  | 494.6  | 436.0  | 377.5  | 351.3  | 348.2  | 348.2  |
| 20°   | 468.4  | 454.8  | 432.9  | 428.7  | 418.2  | 392.1  | 339.8  | 308.4  | 295.9  | 296.9  | 301.1  |
| 22.5° | 394.2  | 384.8  | 364.9  | 355.5  | 351.3  | 328.3  | 289.6  | 268.7  | 262.4  | 262.4  | 263.5  |
| 25°   | 352.4  | 344.0  | 322.0  | 307.4  | 302.2  | 285.4  | 255.1  | 239.4  | 234.2  | 234.2  | 234.2  |
| 27.5° | 321.0  | 310.5  | 287.5  | 275.0  | 265.6  | 246.8  | 227.9  | 212.3  | 207.0  | 207.0  | 208.1  |
| 30°   | 299.0  | 287.5  | 266.6  | 249.9  | 235.3  | 218.5  | 202.8  | 189.3  | 183.0  | 181.9  | 183.0  |
| 32.5° | 269.8  | 259.3  | 238.4  | 227.9  | 211.2  | 191.3  | 178.8  | 166.2  | 160.0  | 161.0  | 160.0  |
| 35°   | 210.2  | 207.0  | 192.4  | 195.5  | 186.1  | 169.4  | 157.9  | 144.3  | 137.0  | 135.9  | 138.0  |
| 37.5° | 191.3  | 178.8  | 162.1  | 163.1  | 160.0  | 153.7  | 134.9  | 120.2  | 115.0  | 115.0  | 116.1  |
| 40°   | 176.7  | 164.2  | 145.3  | 135.9  | 137.0  | 137.0  | 117.1  | 101.4  | 96.2   | 95.1   | 97.2   |
| 42.5° | 164.2  | 151.6  | 130.7  | 115.0  | 110.8  | 116.1  | 99.3   | 83.6   | 78.4   | 76.3   | 78.4   |
| 45°   | 155.8  | 142.2  | 118.2  | 100.4  | 87.8   | 94.1   | 81.6   | 69.0   | 62.7   | 62.7   | 61.7   |
| 47.5° | 147.4  | 134.9  | 108.7  | 86.8   | 73.2   | 70.1   | 66.9   | 55.4   | 49.1   | 48.1   | 49.1   |
| 50°   | 140.1  | 127.6  | 98.3   | 75.3   | 61.7   | 54.4   | 54.4   | 43.9   | 39.7   | 37.6   | 38.7   |
| 52.5° | 132.8  | 119.2  | 88.9   | 66.9   | 53.3   | 43.9   | 38.7   | 35.6   | 32.4   | 31.4   | 32.4   |
| 55°   | 122.3  | 108.7  | 79.5   | 57.5   | 46.0   | 36.6   | 30.3   | 29.3   | 27.2   | 25.1   | 27.2   |
| 57.5° | 109.8  | 97.2   | 70.1   | 49.1   | 36.6   | 28.2   | 25.1   | 24.0   | 22.0   | 20.9   | 20.9   |
| 59°   | 102.5  | 91.0   | 64.8   | 42.9   | 32.4   | 25.1   | 23.0   | 22.0   | 19.9   | 17.8   | 18.8   |
| 60°   | 98.3   | 88.9   | 61.7   | 39.7   | 29.3   | 23.0   | 20.9   | 19.9   | 17.8   | 16.7   | 17.8   |
| 62.5° | 86.8   | 79.5   | 54.4   | 32.4   | 23.0   | 16.7   | 14.6   | 15.7   | 14.6   | 13.6   | 14.6   |
| 65°   | 76.3   | 70.1   | 46.0   | 25.1   | 17.8   | 11.5   | 10.5   | 13.6   | 12.5   | 11.5   | 12.5   |
| 67.5° | 68.0   | 60.6   | 38.7   | 18.8   | 12.5   | 6.3    | 7.3    | 11.5   | 11.5   | 10.5   | 11.5   |
| 70°   | 58.6   | 52.3   | 31.4   | 13.6   | 6.3    | 3.1    | 5.2    | 8.4    | 10.5   | 9.4    | 10.5   |
| 72.5° | 48.1   | 40.8   | 24.0   | 9.4    | 3.1    | 0.0    | 3.1    | 7.3    | 10.5   | 9.4    | 10.5   |
| 75°   | 37.6   | 30.3   | 17.8   | 5.2    | 0.0    | 0.0    | 1.0    | 6.3    | 10.5   | 9.4    | 10.5   |
| 77.5° | 27.2   | 22.0   | 10.5   | 1.0    | 0.0    | 0.0    | 1.0    | 6.3    | 10.5   | 9.4    | 10.5   |
| 80°   | 17.8   | 15.7   | 4.2    | 0.0    | 0.0    | 0.0    | 1.0    | 6.3    | 10.5   | 10.5   | 11.5   |
| 82.5° | 11.5   | 8.4    | 0.0    | 0.0    | 0.0    | 0.0    | 2.1    | 8.4    | 11.5   | 12.5   | 12.5   |
| 85°   | 5.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.2    | 10.5   | 13.6   | 13.6   | 13.6   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.1    | 7.3    | 12.5   | 15.7   | 15.7   | 15.7   |
| 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°    | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2 | 4546.2  | 4546.2  |
| 2.5°  | 3739.0 | 3804.9 | 3898.0 | 4041.2 | 4157.3 | 4340.2 | 4480.4 | 4671.7 | 4865.1 | 4923.7  | 5014.6  |
| 5°    | 2752.0 | 2836.7 | 3047.9 | 3240.3 | 3361.6 | 3748.4 | 3993.1 | 4378.9 | 4725.0 | 4891.3  | 5072.2  |
| 7.5°  | 1911.3 | 2011.7 | 2172.7 | 2441.5 | 2696.6 | 3011.3 | 3406.5 | 3847.8 | 4354.9 | 4592.2  | 4847.4  |
| 10°   | 1341.5 | 1467.0 | 1693.9 | 1914.5 | 2235.5 | 2534.5 | 2924.5 | 3411.8 | 3971.1 | 4251.4  | 4571.3  |
| 12.5° | 846.9  | 958.8  | 1258.9 | 1506.7 | 1907.2 | 2254.3 | 2614.0 | 3055.2 | 3703.5 | 3991.0  | 4326.7  |
| 15°   | 484.1  | 578.2  | 718.3  | 1036.2 | 1480.6 | 1939.6 | 2388.1 | 2900.5 | 3566.5 | 3921.0  | 4283.8  |
| 17.5° | 360.7  | 385.8  | 448.6  | 628.4  | 1033.0 | 1569.4 | 2180.1 | 2853.4 | 3659.6 | 4075.7  | 4489.8  |
| 20°   | 303.2  | 320.0  | 349.2  | 420.3  | 658.7  | 1208.7 | 1977.2 | 2861.8 | 3960.7 | 4483.5  | 4876.6  |
| 22.5° | 271.9  | 282.3  | 306.4  | 352.4  | 449.6  | 880.4  | 1739.9 | 2910.9 | 4325.6 | 4984.3  | 5438.1  |
| 25°   | 238.4  | 252.0  | 272.9  | 312.6  | 374.3  | 610.6  | 1505.6 | 3020.7 | 4836.9 | 5620.0  | 6046.6  |
| 27.5° | 212.3  | 224.8  | 245.7  | 282.3  | 328.3  | 466.3  | 1232.8 | 3114.8 | 5376.4 | 6259.9  | 6609.2  |
| 30°   | 186.1  | 198.7  | 219.6  | 248.9  | 290.7  | 377.5  | 938.9  | 3170.2 | 5900.3 | 6739.9  | 7008.6  |
| 32.5° | 164.2  | 174.6  | 194.5  | 220.6  | 255.1  | 320.0  | 740.3  | 3112.7 | 6300.7 | 7175.9  | 7355.7  |
| 35°   | 142.2  | 154.7  | 171.5  | 195.5  | 225.8  | 272.9  | 615.9  | 2914.1 | 6644.7 | 7624.4  | 7689.3  |
| 37.5° | 119.2  | 133.8  | 151.6  | 173.6  | 197.6  | 250.9  | 494.6  | 2694.5 | 7012.8 | 8183.8  | 8077.2  |
| 40°   | 100.4  | 114.0  | 130.7  | 154.7  | 176.7  | 230.0  | 380.6  | 2460.3 | 7410.1 | 8708.7  | 8500.6  |
| 42.5° | 81.6   | 96.2   | 116.1  | 138.0  | 174.6  | 200.8  | 294.9  | 2217.7 | 7766.6 | 9165.6  | 8883.3  |
| 45°   | 64.8   | 77.4   | 98.3   | 126.5  | 173.6  | 172.5  | 227.9  | 1978.3 | 8035.4 | 9491.9  | 9168.8  |
| 47.5° | 51.2   | 61.7   | 82.6   | 123.4  | 160.0  | 146.4  | 183.0  | 1829.8 | 8317.7 | 9785.7  | 9387.3  |
| 50°   | 40.8   | 51.2   | 71.1   | 128.6  | 140.1  | 125.5  | 153.7  | 1853.8 | 8590.6 | 9935.2  | 9477.2  |
| 52.5° | 34.5   | 45.0   | 61.7   | 101.4  | 107.7  | 109.8  | 134.9  | 1964.7 | 8942.9 | 10095.2 | 9656.0  |
| 55°   | 30.3   | 39.7   | 52.3   | 71.1   | 83.6   | 98.3   | 123.4  | 2045.2 | 9414.5 | 10438.1 | 10050.2 |
| 57.5° | 24.0   | 34.5   | 47.1   | 60.6   | 69.0   | 85.7   | 114.0  | 2051.4 | 9841.1 | 10878.3 | 10574.0 |
| 59°   | 22.0   | 31.4   | 43.9   | 57.5   | 61.7   | 77.4   | 107.7  | 1998.1 | 9856.8 | 10944.2 | 10814.5 |
| 60°   | 19.9   | 30.3   | 41.8   | 53.3   | 58.6   | 73.2   | 102.5  | 1936.4 | 9714.6 | 10839.6 | 10913.9 |
| 62.5° | 16.7   | 26.1   | 36.6   | 42.9   | 50.2   | 60.6   | 88.9   | 1712.7 | 9025.5 | 10366.0 | 10729.8 |
| 65°   | 14.6   | 23.0   | 31.4   | 35.6   | 41.8   | 52.3   | 78.4   | 1370.8 | 8264.3 | 9724.0  | 10202.9 |
| 67.5° | 13.6   | 20.9   | 27.2   | 30.3   | 36.6   | 48.1   | 70.1   | 968.2  | 7278.4 | 8909.5  | 9411.4  |
| 70°   | 12.5   | 19.9   | 24.0   | 28.2   | 32.4   | 40.8   | 59.6   | 564.6  | 5606.5 | 7481.2  | 8011.3  |
| 72.5° | 12.5   | 18.8   | 20.9   | 24.0   | 28.2   | 36.6   | 55.4   | 305.3  | 3833.1 | 5706.8  | 6391.7  |
| 75°   | 12.5   | 17.8   | 18.8   | 20.9   | 25.1   | 33.5   | 49.1   | 160.0  | 2478.0 | 3964.9  | 4893.4  |
| 77.5° | 12.5   | 16.7   | 18.8   | 19.9   | 24.0   | 29.3   | 42.9   | 100.4  | 1651.0 | 2777.1  | 3307.2  |
| 80°   | 13.6   | 16.7   | 17.8   | 19.9   | 23.0   | 27.2   | 35.6   | 66.9   | 970.3  | 1670.9  | 2012.8  |
| 82.5° | 14.6   | 16.7   | 18.8   | 20.9   | 24.0   | 26.1   | 31.4   | 41.8   | 447.5  | 1105.2  | 1250.5  |
| 85°   | 15.7   | 17.8   | 19.9   | 22.0   | 25.1   | 26.1   | 29.3   | 30.3   | 73.2   | 498.7   | 674.4   |
| 87.5° | 16.7   | 18.8   | 20.9   | 23.0   | 27.2   | 27.2   | 27.2   | 27.2   | 25.1   | 53.3    | 135.9   |
| 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: P453916

CATALOG NUMBER: GLAN-SA5A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4546.2  | 4546.2  | 4546.2  | 4546.2  | 4546.2  | 4546.2  | 4546.2  | 4546.2  | 4546.2  | 4546.2  |
| 2.5°  | 5129.7  | 5247.8  | 5330.4  | 5351.3  | 5291.7  | 5264.5  | 5189.3  | 5072.2  | 5001.1  | 4997.9  |
| 5°    | 5405.7  | 5682.8  | 5875.2  | 5907.6  | 5792.6  | 5598.1  | 5367.0  | 5069.0  | 4894.4  | 4842.1  |
| 7.5°  | 5358.6  | 5843.8  | 6153.3  | 6198.3  | 6004.8  | 5633.6  | 5186.1  | 4706.2  | 4515.9  | 4435.4  |
| 10°   | 5165.2  | 5757.0  | 6199.3  | 6270.4  | 6012.1  | 5489.3  | 4920.5  | 4385.2  | 4148.9  | 4087.2  |
| 12.5° | 5000.0  | 5598.1  | 5991.2  | 6089.5  | 5894.0  | 5372.2  | 4761.6  | 4179.2  | 3926.2  | 3868.7  |
| 15°   | 4927.9  | 5409.9  | 5650.4  | 5700.6  | 5668.1  | 5299.0  | 4744.9  | 4147.9  | 3858.2  | 3795.5  |
| 17.5° | 5000.0  | 5249.9  | 5280.2  | 5331.5  | 5403.6  | 5291.7  | 4905.9  | 4318.3  | 4005.7  | 3928.3  |
| 20°   | 5189.3  | 5110.8  | 4985.4  | 5007.3  | 5172.5  | 5322.1  | 5192.4  | 4695.7  | 4315.1  | 4232.5  |
| 22.5° | 5511.3  | 5076.3  | 4791.9  | 4773.1  | 4982.2  | 5423.5  | 5612.7  | 5207.0  | 4765.8  | 4684.2  |
| 25°   | 5906.5  | 5163.1  | 4720.8  | 4680.1  | 4908.0  | 5571.9  | 6069.6  | 5833.3  | 5351.3  | 5226.9  |
| 27.5° | 6337.3  | 5343.0  | 4720.8  | 4681.1  | 4901.7  | 5703.7  | 6460.7  | 6387.5  | 5957.8  | 5821.8  |
| 30°   | 6573.6  | 5491.4  | 4788.8  | 4743.8  | 4979.1  | 5780.0  | 6669.8  | 6880.0  | 6413.6  | 6245.3  |
| 32.5° | 6784.8  | 5697.4  | 4921.6  | 4836.9  | 5141.2  | 5892.9  | 6857.0  | 7298.2  | 6776.5  | 6663.5  |
| 35°   | 6979.3  | 5918.0  | 5104.6  | 5006.3  | 5354.5  | 6047.7  | 7064.0  | 7737.4  | 7281.5  | 7111.1  |
| 37.5° | 7193.7  | 6174.2  | 5390.0  | 5306.4  | 5711.0  | 6348.8  | 7309.7  | 8314.5  | 7778.1  | 7563.8  |
| 40°   | 7426.8  | 6471.2  | 5859.5  | 5823.9  | 6277.7  | 6689.7  | 7620.3  | 8930.4  | 8344.9  | 8101.2  |
| 42.5° | 7664.2  | 6813.1  | 6434.6  | 6493.1  | 6919.7  | 7167.5  | 7939.2  | 9404.0  | 8809.1  | 8540.4  |
| 45°   | 7879.6  | 7250.1  | 7182.2  | 7471.8  | 7668.4  | 7633.9  | 8175.5  | 9737.6  | 9213.7  | 8956.5  |
| 47.5° | 8151.4  | 7886.9  | 8086.6  | 8533.1  | 8538.3  | 8141.0  | 8354.3  | 10010.5 | 9561.9  | 9304.7  |
| 50°   | 8455.7  | 8638.7  | 9254.5  | 9709.3  | 9587.0  | 8639.7  | 8563.4  | 10333.6 | 9921.6  | 9715.6  |
| 52.5° | 8808.0  | 9480.4  | 10333.6 | 10838.6 | 10553.1 | 9183.4  | 8911.6  | 10682.8 | 10492.5 | 10294.9 |
| 55°   | 9217.9  | 10054.4 | 11409.5 | 11812.0 | 11524.5 | 9858.9  | 9440.6  | 11156.4 | 11137.6 | 11002.7 |
| 57.5° | 9681.1  | 10660.8 | 12032.6 | 12577.4 | 12321.2 | 10651.4 | 10179.9 | 11602.9 | 11531.8 | 11456.5 |
| 59°   | 10047.1 | 10972.4 | 12307.6 | 12872.3 | 12717.5 | 11206.6 | 10676.5 | 11881.0 | 11622.8 | 11509.9 |
| 60°   | 10268.7 | 11183.6 | 12409.1 | 12912.0 | 12876.4 | 11537.0 | 10991.2 | 12017.0 | 11621.7 | 11464.9 |
| 62.5° | 10926.4 | 11552.7 | 12370.4 | 12735.3 | 12874.3 | 12170.7 | 11914.5 | 12166.5 | 11406.3 | 11176.3 |
| 65°   | 11160.6 | 11430.4 | 11729.4 | 11684.5 | 11803.7 | 12138.3 | 12504.2 | 12002.3 | 10946.3 | 10619.0 |
| 67.5° | 10704.7 | 10088.9 | 10194.5 | 9894.4  | 9835.9  | 10791.5 | 12264.8 | 11199.3 | 10046.0 | 9645.6  |
| 70°   | 9023.4  | 7729.0  | 7675.7  | 7813.7  | 7435.2  | 8736.9  | 11013.2 | 9652.9  | 8560.2  | 8106.5  |
| 72.5° | 7102.7  | 5462.2  | 5012.6  | 5520.7  | 5509.2  | 6665.6  | 9148.9  | 6849.7  | 5783.2  | 5744.5  |
| 75°   | 5585.5  | 3802.8  | 3337.5  | 3420.1  | 3579.1  | 4825.4  | 7286.7  | 4349.7  | 3561.3  | 3245.5  |
| 77.5° | 3749.5  | 2694.5  | 2513.6  | 2412.2  | 2583.7  | 3098.1  | 4610.0  | 2358.9  | 1997.1  | 1891.5  |
| 80°   | 2161.2  | 1957.3  | 2222.9  | 2018.0  | 2110.0  | 1952.1  | 2293.0  | 1082.2  | 898.2   | 972.4   |
| 82.5° | 1406.3  | 1114.6  | 1187.8  | 882.5   | 1206.6  | 1217.1  | 736.1   | 320.0   | 270.8   | 287.5   |
| 85°   | 879.3   | 522.8   | 293.8   | 209.1   | 416.1   | 765.4   | 230.0   | 19.9    | 23.0    | 19.9    |
| 87.5° | 227.9   | 86.8    | 36.6    | 54.4    | 66.9    | 59.6    | 53.3    | 3.1     | 1.0     | 2.1     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)