

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: P451800

Luminaire Tested: **GALN-SA2D-722-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P451800  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SA2D-722-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2200K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9858 lumens  
Efficiency: N/A  
Efficacy: 78.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

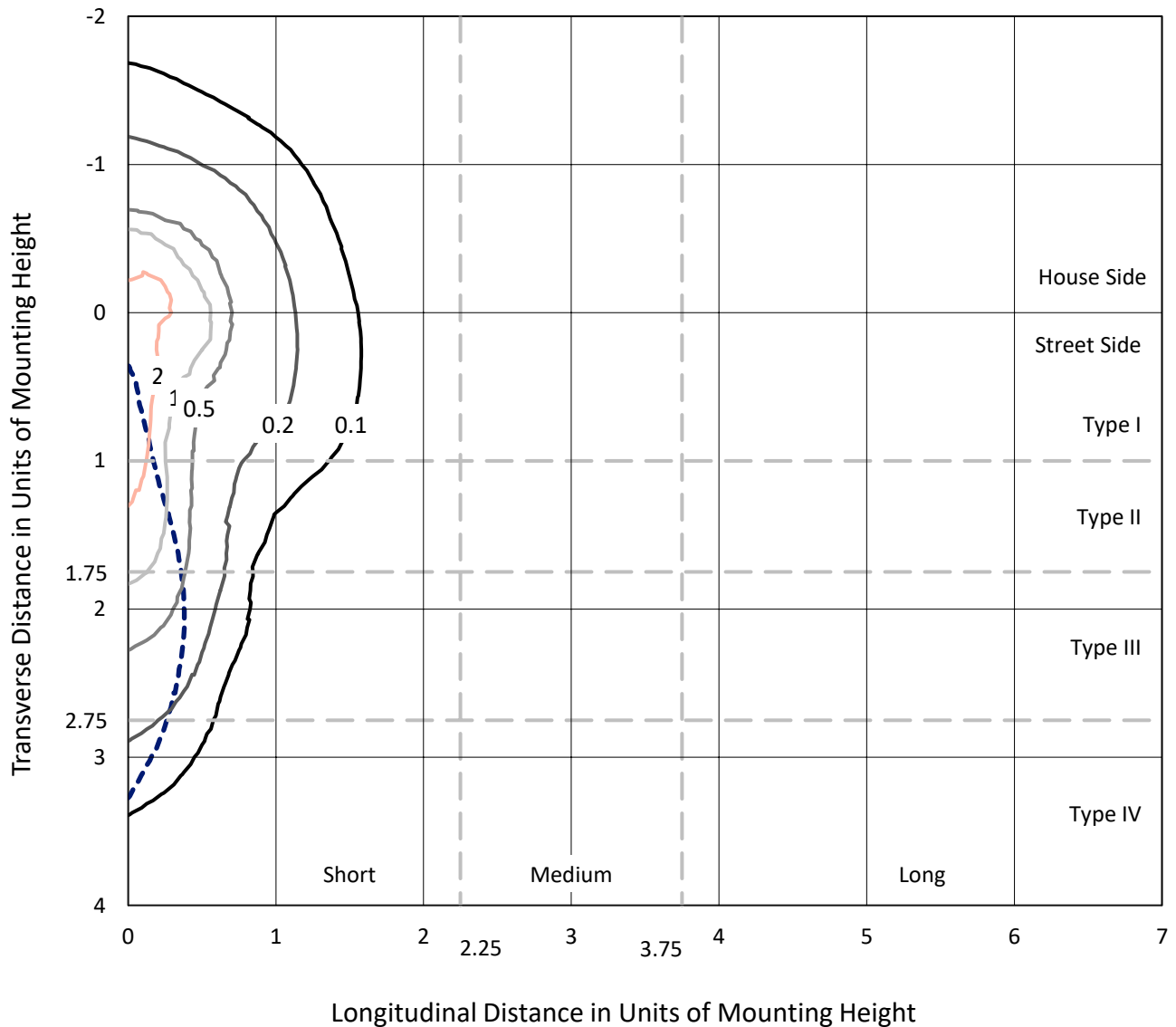
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P451800  
 CATALOG NUMBER: GALN-SA2D-722-U-SLR

### Iso-Footcandle Lines of Horizontal Illumination

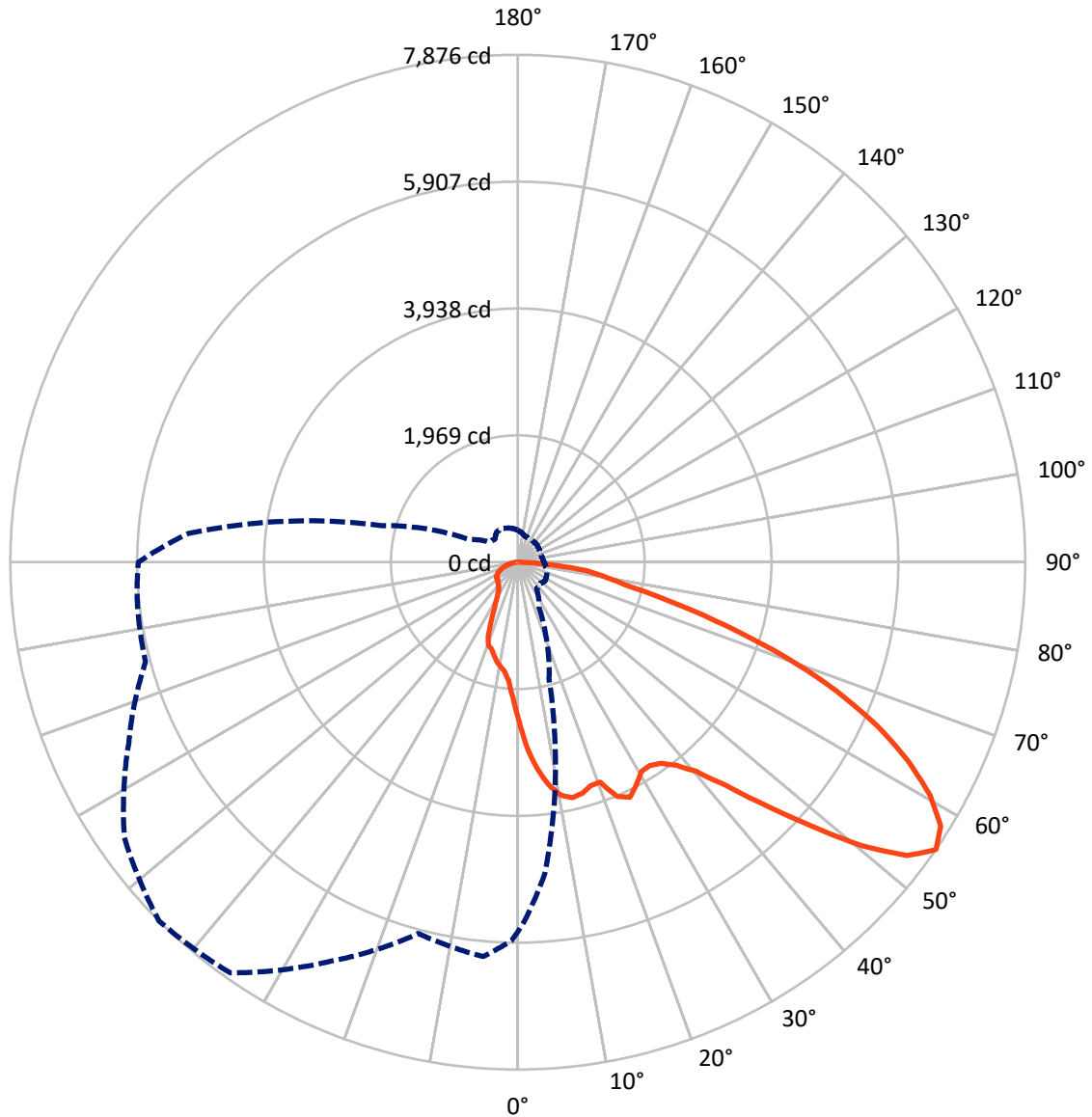
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P451800  
CATALOG NUMBER: GALN-SA2D-722-U-SLR

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P451800

CATALOG NUMBER: GALN-SA2D-722-U-SLR

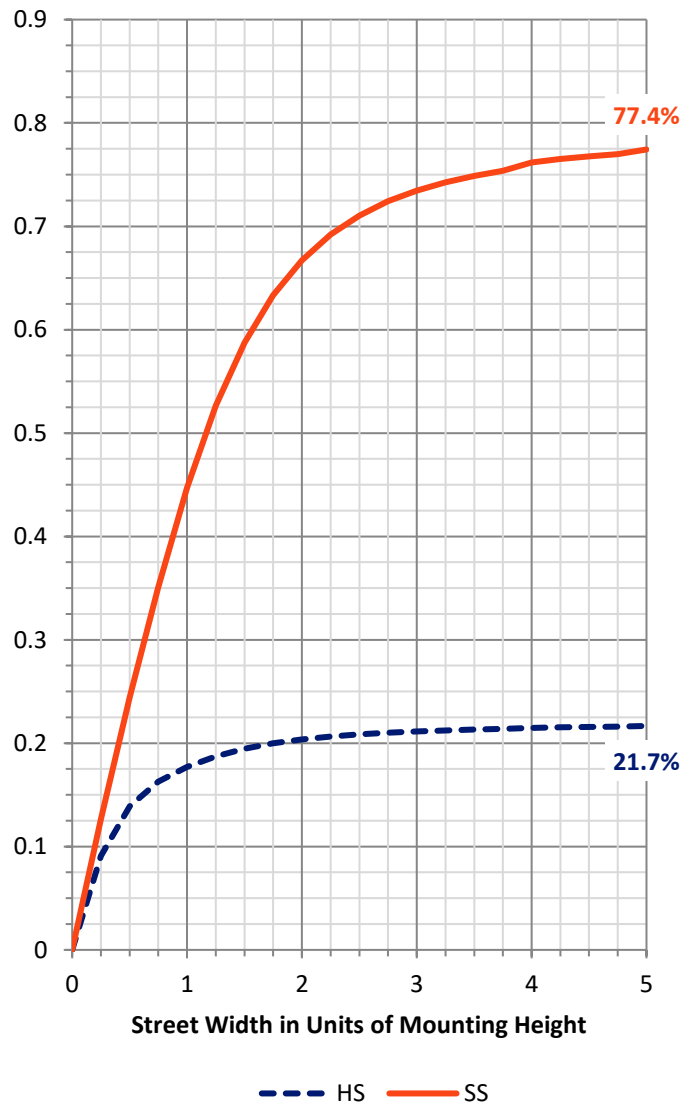
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2156.4   | 0.0    | 2156.4 |
|                    | % Fixture | 21.9     | 0.0    | 21.9   |
| <b>Street Side</b> | Lumens    | 7701.6   | 0.0    | 7701.6 |
|                    | % Fixture | 78.1     | 0.0    | 78.1   |
| <b>Total</b>       | Lumens    | 9858.0   | 0.0    | 9858.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 209.7  | 2.1       |
| 10°-20°   | 556.3  | 5.6       |
| 20°-30°   | 961.0  | 9.7       |
| 30°-40°   | 1116.8 | 11.3      |
| 40°-50°   | 1558.2 | 15.8      |
| 50°-60°   | 2114.3 | 21.4      |
| 60°-70°   | 2011.5 | 20.4      |
| 70°-80°   | 1086.7 | 11.0      |
| 80°-90°   | 243.5  | 2.5       |
| 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°    | 9858.0 | 100.0     |
| 0°-180°   | 9858.0 | 100.0     |



REPORT NUMBER: P451800

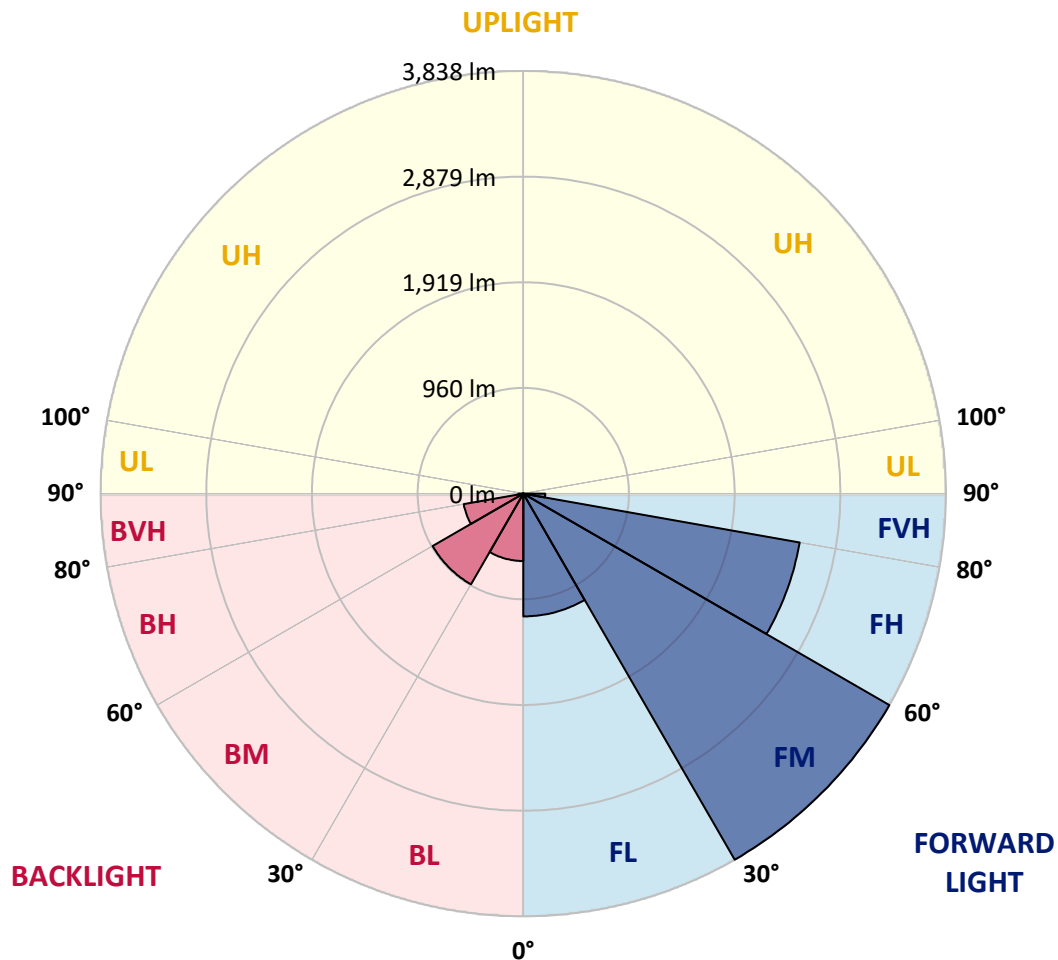
CATALOG NUMBER: GALN-SA2D-722-U-SLR

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1115.0 | 11.3      |                         |      |         |
| FM (30°-60°)   | 3838.5 | 38.9      |                         |      |         |
| FH (60°-80°)   | 2549.1 | 25.9      |                         |      | G2/5000 |
| FVH (80°-90°)  | 199.0  | 2.0       |                         |      | G2/225  |
| BL (0°-30°)    | 612.0  | 6.2       | B2/1000                 |      |         |
| BM (30°-60°)   | 950.8  | 9.6       | B1/1000                 |      |         |
| BH (60°-80°)   | 549.1  | 5.6       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 44.5   | 0.5       |                         |      | 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





REPORT NUMBER: P451800

CATALOG NUMBER: GALN-SA2D-722-U-SLR

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 |
| 2.5°  | 2748.4 | 2738.0 | 2708.8 | 2632.0 | 2554.6 | 2475.9 | 2415.4 | 2340.0 | 2261.3 | 2219.0 | 2165.1 |
| 5°    | 2786.1 | 2774.4 | 2705.5 | 2532.5 | 2375.8 | 2211.2 | 2079.9 | 1964.7 | 1917.9 | 1849.0 | 1793.7 |
| 7.5°  | 2697.7 | 2692.5 | 2589.1 | 2340.6 | 2126.0 | 1910.8 | 1761.8 | 1669.5 | 1585.6 | 1554.4 | 1560.9 |
| 10°   | 2617.1 | 2596.2 | 2466.8 | 2142.3 | 1891.9 | 1717.0 | 1610.3 | 1519.9 | 1460.7 | 1445.1 | 1448.4 |
| 12.5° | 2550.1 | 2522.1 | 2369.3 | 2009.0 | 1789.8 | 1650.0 | 1514.0 | 1419.7 | 1365.8 | 1380.7 | 1431.4 |
| 15°   | 2536.4 | 2498.7 | 2328.3 | 1963.4 | 1733.9 | 1553.7 | 1404.8 | 1296.2 | 1255.8 | 1288.4 | 1369.7 |
| 17.5° | 2624.9 | 2577.4 | 2398.5 | 1978.4 | 1680.5 | 1455.5 | 1272.8 | 1148.5 | 1114.7 | 1166.7 | 1272.8 |
| 20°   | 2909.1 | 2838.8 | 2617.7 | 2064.9 | 1675.3 | 1406.7 | 1196.0 | 1071.1 | 1085.5 | 1184.3 | 1294.9 |
| 22.5° | 3434.6 | 3329.2 | 3001.4 | 2191.1 | 1702.6 | 1394.4 | 1180.4 | 1115.4 | 1194.1 | 1278.0 | 1350.8 |
| 25°   | 3538.6 | 3456.0 | 3070.4 | 2219.7 | 1696.8 | 1385.9 | 1224.6 | 1257.1 | 1344.9 | 1386.6 | 1361.2 |
| 27.5° | 3597.1 | 3502.8 | 3065.8 | 2077.9 | 1517.3 | 1257.1 | 1170.6 | 1224.6 | 1246.7 | 1206.4 | 1137.5 |
| 30°   | 3733.7 | 3635.5 | 3143.2 | 1929.0 | 1249.3 | 932.6  | 817.5  | 795.4  | 810.3  | 818.2  | 793.4  |
| 32.5° | 3921.7 | 3824.8 | 3288.9 | 1831.4 | 1080.2 | 771.3  | 658.2  | 626.9  | 619.8  | 611.3  | 601.6  |
| 35°   | 4164.9 | 4016.0 | 3432.0 | 1769.0 | 1010.7 | 713.4  | 609.4  | 585.3  | 575.6  | 563.9  | 553.5  |
| 37.5° | 4412.0 | 4256.0 | 3612.8 | 1703.3 | 964.5  | 673.1  | 576.9  | 565.8  | 548.9  | 536.5  | 521.6  |
| 40°   | 4674.8 | 4499.8 | 3777.3 | 1646.1 | 919.6  | 647.1  | 553.5  | 552.2  | 530.0  | 515.7  | 498.2  |
| 42.5° | 4902.4 | 4722.3 | 3924.3 | 1610.9 | 885.1  | 619.8  | 539.1  | 543.1  | 520.3  | 498.8  | 476.1  |
| 45°   | 5083.2 | 4906.3 | 4060.2 | 1610.9 | 857.2  | 592.5  | 536.5  | 533.9  | 511.2  | 484.5  | 458.5  |
| 47.5° | 5241.9 | 5059.2 | 4192.9 | 1651.9 | 839.6  | 569.7  | 522.2  | 526.8  | 503.4  | 469.6  | 444.2  |
| 50°   | 5364.8 | 5203.5 | 4371.7 | 1715.7 | 822.1  | 551.5  | 504.0  | 528.7  | 496.9  | 461.8  | 432.5  |
| 52.5° | 5521.6 | 5377.2 | 4587.0 | 1802.8 | 807.1  | 531.3  | 487.8  | 528.7  | 496.2  | 462.4  | 430.5  |
| 55°   | 5738.8 | 5586.6 | 4846.5 | 1875.0 | 783.0  | 512.5  | 473.5  | 513.8  | 494.3  | 459.2  | 425.3  |
| 57.5° | 5891.0 | 5777.2 | 5029.9 | 1923.1 | 748.6  | 488.4  | 460.5  | 499.5  | 485.8  | 446.8  | 409.7  |
| 58°   | 5898.1 | 5786.9 | 5056.6 | 1934.2 | 740.1  | 483.9  | 457.2  | 493.0  | 481.9  | 441.6  | 404.5  |
| 60°   | 5816.2 | 5720.6 | 5061.8 | 1918.6 | 692.0  | 461.1  | 440.3  | 466.3  | 461.1  | 411.0  | 376.6  |
| 62.5° | 5518.3 | 5416.2 | 4851.7 | 1791.7 | 628.2  | 433.1  | 414.3  | 430.5  | 418.8  | 368.1  | 336.2  |
| 65°   | 5094.9 | 4907.0 | 4419.9 | 1592.7 | 582.7  | 403.2  | 379.2  | 380.5  | 368.1  | 331.7  | 303.7  |
| 67.5° | 4531.1 | 4321.0 | 3742.2 | 1342.3 | 548.3  | 370.1  | 337.5  | 334.3  | 319.3  | 295.9  | 273.2  |
| 70°   | 3837.1 | 3693.4 | 3041.1 | 1092.0 | 509.9  | 333.6  | 290.7  | 288.8  | 279.7  | 262.1  | 241.9  |
| 72.5° | 3110.0 | 2927.3 | 2455.8 | 874.1  | 463.1  | 298.5  | 247.1  | 251.0  | 239.3  | 227.0  | 208.8  |
| 75°   | 2295.1 | 2175.5 | 1898.4 | 701.1  | 400.0  | 260.1  | 206.2  | 207.5  | 202.3  | 189.3  | 174.9  |
| 77.5° | 1511.4 | 1475.7 | 1358.0 | 460.5  | 307.6  | 206.8  | 168.4  | 169.7  | 165.8  | 154.1  | 139.2  |
| 80°   | 1017.2 | 993.1  | 920.3  | 296.6  | 205.5  | 149.6  | 130.1  | 131.4  | 130.7  | 118.4  | 98.2   |
| 82.5° | 626.9  | 616.5  | 593.1  | 200.3  | 142.4  | 107.3  | 85.8   | 89.7   | 96.9   | 83.2   | 67.0   |
| 85°   | 295.9  | 296.6  | 358.3  | 109.3  | 83.9   | 68.9   | 46.8   | 50.1   | 50.1   | 50.1   | 37.7   |
| 87.5° | 38.4   | 40.3   | 49.4   | 46.2   | 30.6   | 26.0   | 16.9   | 14.3   | 12.4   | 16.3   | 11.7   |
| 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: P451800  
 CATALOG NUMBER: GALN-SA2D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 |
| 2.5°  | 2146.2 | 2133.2 | 2105.2 | 2098.7 | 2094.8 | 2105.9 | 2076.6 | 2084.4 | 2071.4 | 2107.8 | 2102.0 |
| 5°    | 1796.9 | 1798.2 | 1821.0 | 1836.0 | 1841.2 | 1836.0 | 1816.5 | 1782.6 | 1756.6 | 1746.2 | 1748.8 |
| 7.5°  | 1548.5 | 1571.3 | 1610.3 | 1653.9 | 1693.5 | 1705.2 | 1694.2 | 1629.8 | 1559.6 | 1515.3 | 1501.0 |
| 10°   | 1465.9 | 1496.5 | 1541.4 | 1575.8 | 1610.9 | 1638.9 | 1644.8 | 1594.7 | 1511.4 | 1406.7 | 1365.8 |
| 12.5° | 1470.5 | 1512.1 | 1555.0 | 1566.1 | 1562.8 | 1573.9 | 1568.7 | 1560.2 | 1505.6 | 1372.3 | 1304.0 |
| 15°   | 1427.5 | 1477.0 | 1506.9 | 1501.0 | 1490.6 | 1480.9 | 1467.2 | 1445.8 | 1426.2 | 1332.6 | 1257.1 |
| 17.5° | 1328.7 | 1379.4 | 1404.1 | 1406.1 | 1406.1 | 1403.5 | 1370.3 | 1362.5 | 1359.9 | 1314.4 | 1268.2 |
| 20°   | 1346.9 | 1374.9 | 1363.8 | 1345.6 | 1350.8 | 1368.4 | 1348.8 | 1344.9 | 1359.9 | 1380.1 | 1371.6 |
| 22.5° | 1357.3 | 1347.5 | 1264.3 | 1183.7 | 1165.4 | 1220.1 | 1231.1 | 1274.7 | 1335.2 | 1408.0 | 1455.5 |
| 25°   | 1292.9 | 1214.2 | 1065.3 | 974.2  | 922.9  | 973.6  | 1039.9 | 1120.6 | 1211.0 | 1304.6 | 1359.9 |
| 27.5° | 1080.9 | 1021.1 | 914.4  | 832.5  | 787.6  | 795.4  | 852.0  | 925.5  | 1009.4 | 1072.4 | 1112.8 |
| 30°   | 814.3  | 787.6  | 732.3  | 704.3  | 677.0  | 670.5  | 694.6  | 722.6  | 759.6  | 767.4  | 777.8  |
| 32.5° | 599.6  | 595.7  | 599.0  | 589.9  | 584.7  | 584.0  | 576.9  | 583.4  | 587.3  | 591.8  | 582.7  |
| 35°   | 542.4  | 537.2  | 528.1  | 525.5  | 522.2  | 523.5  | 520.3  | 517.0  | 519.6  | 523.5  | 526.1  |
| 37.5° | 513.1  | 505.3  | 492.3  | 487.8  | 487.8  | 489.7  | 484.5  | 483.2  | 487.8  | 500.1  | 506.6  |
| 40°   | 490.4  | 481.3  | 466.3  | 460.5  | 464.4  | 469.6  | 462.4  | 459.8  | 470.9  | 483.9  | 494.3  |
| 42.5° | 468.9  | 461.8  | 447.4  | 440.9  | 444.2  | 454.0  | 443.5  | 441.6  | 455.9  | 470.2  | 482.6  |
| 45°   | 450.7  | 443.5  | 430.5  | 427.3  | 428.6  | 437.7  | 430.5  | 430.5  | 444.2  | 459.8  | 470.9  |
| 47.5° | 436.4  | 427.3  | 418.8  | 416.2  | 417.5  | 422.7  | 421.4  | 421.4  | 434.4  | 450.7  | 461.8  |
| 50°   | 422.1  | 414.3  | 403.2  | 404.5  | 407.8  | 414.9  | 414.3  | 416.2  | 429.2  | 449.4  | 461.1  |
| 52.5° | 415.6  | 403.9  | 391.5  | 392.8  | 402.6  | 411.0  | 408.4  | 410.4  | 425.3  | 463.1  | 480.0  |
| 55°   | 408.4  | 392.8  | 378.5  | 380.5  | 391.5  | 403.9  | 400.6  | 403.2  | 420.8  | 472.2  | 495.6  |
| 57.5° | 394.8  | 376.6  | 361.0  | 362.3  | 378.5  | 391.5  | 386.3  | 389.6  | 410.4  | 462.4  | 487.1  |
| 58°   | 388.9  | 373.3  | 358.3  | 359.0  | 374.6  | 388.9  | 383.1  | 385.7  | 407.1  | 459.8  | 483.2  |
| 60°   | 364.2  | 355.1  | 342.1  | 342.7  | 357.7  | 370.1  | 366.8  | 369.4  | 390.2  | 440.9  | 458.5  |
| 62.5° | 330.4  | 325.2  | 321.9  | 321.9  | 331.0  | 342.7  | 346.0  | 349.2  | 368.1  | 398.7  | 414.3  |
| 65°   | 294.0  | 294.0  | 294.6  | 294.6  | 300.5  | 315.4  | 317.4  | 325.8  | 343.4  | 358.3  | 370.1  |
| 67.5° | 269.2  | 267.9  | 269.2  | 266.0  | 268.6  | 277.7  | 287.5  | 295.3  | 313.5  | 323.9  | 327.8  |
| 70°   | 237.4  | 236.7  | 237.4  | 232.8  | 236.1  | 243.9  | 250.4  | 263.4  | 282.3  | 290.1  | 292.0  |
| 72.5° | 206.2  | 206.2  | 207.5  | 204.2  | 204.2  | 212.7  | 217.2  | 231.5  | 249.1  | 253.6  | 254.3  |
| 75°   | 173.6  | 175.6  | 175.6  | 171.0  | 172.3  | 177.5  | 183.4  | 195.1  | 211.4  | 214.6  | 214.6  |
| 77.5° | 137.9  | 145.0  | 145.0  | 140.5  | 142.4  | 143.1  | 150.9  | 156.7  | 169.1  | 170.4  | 165.2  |
| 80°   | 100.2  | 107.3  | 113.2  | 109.3  | 112.5  | 108.6  | 113.2  | 117.1  | 129.4  | 123.6  | 115.1  |
| 82.5° | 71.5   | 76.7   | 81.3   | 81.9   | 78.7   | 71.5   | 77.4   | 78.0   | 83.9   | 76.1   | 71.5   |
| 85°   | 39.7   | 44.2   | 50.1   | 47.5   | 42.3   | 37.7   | 39.7   | 41.0   | 40.3   | 38.4   | 35.8   |
| 87.5° | 10.4   | 11.1   | 12.4   | 9.1    | 8.5    | 7.2    | 9.8    | 9.8    | 11.1   | 11.7   | 11.1   |
| 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: P451800  
 CATALOG NUMBER: GALN-SA2D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 |
| 2.5°  | 2106.5 | 2135.1 | 2196.9 | 2243.7 | 2301.0 | 2370.6 | 2452.5 | 2535.1 | 2624.2 | 2652.2 | 2691.2 |
| 5°    | 1743.0 | 1814.5 | 1844.4 | 1929.6 | 2014.2 | 2141.0 | 2276.3 | 2433.0 | 2604.7 | 2687.3 | 2766.6 |
| 7.5°  | 1489.3 | 1527.7 | 1558.9 | 1621.3 | 1722.8 | 1876.9 | 2046.7 | 2242.4 | 2485.7 | 2606.0 | 2722.4 |
| 10°   | 1352.8 | 1356.7 | 1395.0 | 1472.4 | 1560.9 | 1696.8 | 1857.4 | 2076.6 | 2347.8 | 2494.1 | 2630.7 |
| 12.5° | 1262.4 | 1245.4 | 1287.1 | 1367.7 | 1467.9 | 1593.4 | 1741.0 | 1949.8 | 2248.3 | 2398.5 | 2563.7 |
| 15°   | 1183.0 | 1156.3 | 1187.6 | 1270.2 | 1369.0 | 1516.6 | 1675.3 | 1896.5 | 2209.3 | 2384.2 | 2567.6 |
| 17.5° | 1185.0 | 1111.5 | 1122.5 | 1192.1 | 1290.3 | 1440.5 | 1633.1 | 1894.5 | 2268.5 | 2470.1 | 2687.3 |
| 20°   | 1331.3 | 1213.6 | 1163.5 | 1176.5 | 1271.5 | 1435.3 | 1652.6 | 1985.6 | 2462.9 | 2756.9 | 2989.1 |
| 22.5° | 1475.0 | 1404.1 | 1323.5 | 1296.8 | 1348.8 | 1520.5 | 1776.8 | 2200.8 | 2885.7 | 3328.5 | 3748.0 |
| 25°   | 1424.9 | 1485.4 | 1465.3 | 1427.5 | 1439.2 | 1581.7 | 1861.3 | 2377.7 | 3214.1 | 3712.9 | 4107.0 |
| 27.5° | 1140.1 | 1250.0 | 1272.1 | 1271.5 | 1276.0 | 1393.1 | 1674.0 | 2258.7 | 3255.1 | 3786.4 | 4163.0 |
| 30°   | 801.2  | 811.0  | 822.7  | 845.5  | 866.3  | 971.0  | 1309.8 | 1983.0 | 3236.8 | 3819.6 | 4196.8 |
| 32.5° | 578.2  | 591.2  | 607.4  | 638.7  | 688.1  | 821.4  | 1145.9 | 1895.2 | 3333.1 | 3956.8 | 4295.6 |
| 35°   | 528.7  | 543.7  | 559.3  | 595.1  | 641.9  | 765.5  | 1080.9 | 1858.7 | 3491.1 | 4179.2 | 4473.2 |
| 37.5° | 513.1  | 530.0  | 543.7  | 569.7  | 607.4  | 725.2  | 1021.7 | 1834.0 | 3653.1 | 4414.6 | 4711.2 |
| 40°   | 502.1  | 521.6  | 532.6  | 553.5  | 579.5  | 688.1  | 969.0  | 1814.5 | 3809.8 | 4629.9 | 4902.4 |
| 42.5° | 492.3  | 512.5  | 526.8  | 541.8  | 563.2  | 654.9  | 922.2  | 1795.0 | 3945.7 | 4838.7 | 5093.0 |
| 45°   | 480.6  | 506.0  | 524.2  | 535.9  | 554.8  | 626.9  | 886.4  | 1779.4 | 4100.5 | 5024.0 | 5285.5 |
| 47.5° | 470.9  | 498.8  | 521.6  | 535.2  | 542.4  | 607.4  | 857.8  | 1800.8 | 4286.5 | 5217.8 | 5464.3 |
| 50°   | 471.5  | 498.2  | 526.8  | 548.3  | 529.4  | 591.2  | 840.3  | 1886.0 | 4528.5 | 5448.1 | 5605.5 |
| 52.5° | 492.3  | 524.8  | 547.6  | 552.8  | 511.2  | 571.7  | 831.2  | 2035.0 | 4814.6 | 5651.6 | 5747.9 |
| 55°   | 515.7  | 549.6  | 574.3  | 571.0  | 501.4  | 547.0  | 829.2  | 2193.7 | 5128.1 | 5889.0 | 5933.2 |
| 57.5° | 507.3  | 556.7  | 594.4  | 577.5  | 502.1  | 522.9  | 820.8  | 2321.8 | 5390.2 | 6066.6 | 6116.6 |
| 58°   | 504.7  | 554.1  | 597.0  | 576.2  | 500.1  | 515.7  | 818.8  | 2332.8 | 5426.6 | 6078.9 | 6142.7 |
| 60°   | 479.3  | 531.3  | 595.1  | 566.5  | 489.1  | 496.2  | 797.3  | 2368.6 | 5416.9 | 6015.2 | 6158.3 |
| 62.5° | 433.1  | 476.1  | 550.2  | 519.0  | 455.3  | 470.2  | 749.2  | 2324.4 | 5152.8 | 5708.2 | 5930.0 |
| 65°   | 381.1  | 413.0  | 462.4  | 456.6  | 407.1  | 443.5  | 683.5  | 2149.4 | 4624.1 | 5210.0 | 5443.5 |
| 67.5° | 342.1  | 368.1  | 399.3  | 390.9  | 366.2  | 407.8  | 612.6  | 1853.5 | 4030.9 | 4611.7 | 4905.7 |
| 70°   | 302.4  | 322.6  | 338.2  | 332.3  | 324.5  | 372.7  | 549.6  | 1504.3 | 3462.5 | 4043.3 | 4328.2 |
| 72.5° | 262.1  | 281.0  | 294.0  | 285.5  | 281.0  | 335.6  | 498.2  | 1167.4 | 2734.8 | 3335.7 | 3701.9 |
| 75°   | 219.2  | 238.0  | 247.1  | 237.4  | 234.8  | 295.9  | 422.1  | 872.1  | 2051.9 | 2571.5 | 2887.6 |
| 77.5° | 169.7  | 189.9  | 201.6  | 198.4  | 199.7  | 243.2  | 340.8  | 597.0  | 1467.2 | 1752.7 | 2085.7 |
| 80°   | 119.0  | 141.1  | 148.9  | 145.7  | 154.8  | 185.4  | 240.6  | 379.2  | 1012.0 | 1137.5 | 1372.3 |
| 82.5° | 73.5   | 94.3   | 95.6   | 98.9   | 105.4  | 137.2  | 181.5  | 230.9  | 635.4  | 656.9  | 827.3  |
| 85°   | 37.1   | 44.9   | 48.1   | 53.3   | 59.2   | 83.9   | 103.4  | 143.1  | 409.1  | 309.6  | 462.4  |
| 87.5° | 12.4   | 13.0   | 15.6   | 19.5   | 24.1   | 34.5   | 44.2   | 58.5   | 101.5  | 55.9   | 143.1  |
| 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: P451800

CATALOG NUMBER: GALN-SA2D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 | 2474.0 |
| 2.5°  | 2769.9 | 2825.2 | 2865.5 | 2902.6 | 2866.8 | 2863.5 | 2828.4 | 2771.8 | 2748.4 | 2748.4 |
| 5°    | 2933.1 | 3062.5 | 3167.3 | 3234.2 | 3205.6 | 3136.7 | 3022.9 | 2877.8 | 2799.8 | 2786.1 |
| 7.5°  | 2978.0 | 3233.6 | 3428.1 | 3497.0 | 3448.9 | 3296.7 | 3078.8 | 2834.3 | 2722.4 | 2697.7 |
| 10°   | 2950.7 | 3283.0 | 3568.5 | 3677.8 | 3610.8 | 3380.6 | 3083.4 | 2783.5 | 2645.7 | 2617.1 |
| 12.5° | 2922.1 | 3289.5 | 3594.5 | 3752.6 | 3709.0 | 3448.2 | 3116.5 | 2750.4 | 2591.0 | 2550.1 |
| 15°   | 2942.9 | 3292.1 | 3562.7 | 3725.9 | 3753.9 | 3529.5 | 3171.2 | 2774.4 | 2580.0 | 2536.4 |
| 17.5° | 3074.3 | 3341.6 | 3517.2 | 3649.2 | 3747.4 | 3640.1 | 3326.6 | 2889.6 | 2678.8 | 2624.9 |
| 20°   | 3348.7 | 3459.9 | 3543.2 | 3645.3 | 3803.3 | 3865.7 | 3644.6 | 3205.6 | 2956.5 | 2909.1 |
| 22.5° | 4143.4 | 4123.3 | 3952.9 | 3950.9 | 4179.9 | 4430.3 | 4415.3 | 3848.2 | 3473.6 | 3434.6 |
| 25°   | 4441.3 | 4347.7 | 4101.2 | 4041.3 | 4142.1 | 4528.5 | 4472.5 | 3979.6 | 3633.6 | 3538.6 |
| 27.5° | 4324.9 | 4092.7 | 3930.8 | 3917.1 | 3884.0 | 4248.8 | 4383.4 | 4032.9 | 3689.5 | 3597.1 |
| 30°   | 4317.7 | 3976.3 | 3744.8 | 3772.1 | 3804.0 | 4152.6 | 4432.9 | 4200.0 | 3832.6 | 3733.7 |
| 32.5° | 4335.3 | 3992.6 | 3758.4 | 3763.6 | 3858.6 | 4166.9 | 4487.5 | 4382.1 | 4020.5 | 3921.7 |
| 35°   | 4406.2 | 4084.9 | 3845.6 | 3833.2 | 3981.5 | 4260.5 | 4580.5 | 4668.3 | 4277.4 | 4164.9 |
| 37.5° | 4520.7 | 4269.0 | 4004.9 | 4001.7 | 4216.9 | 4429.6 | 4696.3 | 4957.1 | 4533.0 | 4412.0 |
| 40°   | 4689.1 | 4484.2 | 4288.5 | 4270.9 | 4536.9 | 4704.7 | 4846.5 | 5264.7 | 4830.2 | 4674.8 |
| 42.5° | 4892.7 | 4742.4 | 4662.4 | 4732.0 | 4987.6 | 5013.6 | 5080.6 | 5548.9 | 5083.2 | 4902.4 |
| 45°   | 5081.3 | 5074.1 | 5185.3 | 5370.0 | 5519.0 | 5362.9 | 5325.2 | 5739.4 | 5279.6 | 5083.2 |
| 47.5° | 5305.6 | 5499.5 | 5835.0 | 6105.6 | 6261.7 | 5769.4 | 5533.9 | 5863.7 | 5422.7 | 5241.9 |
| 50°   | 5533.3 | 6008.7 | 6544.6 | 6921.8 | 6955.0 | 6210.9 | 5677.7 | 5980.7 | 5552.8 | 5364.8 |
| 52.5° | 5772.6 | 6415.2 | 7128.6 | 7566.9 | 7502.6 | 6595.3 | 5816.8 | 6060.1 | 5686.8 | 5521.6 |
| 55°   | 5980.7 | 6664.2 | 7455.1 | 7875.9 | 7781.6 | 6829.4 | 5967.1 | 6145.9 | 5878.0 | 5738.8 |
| 57.5° | 6097.1 | 6685.1 | 7373.8 | 7741.2 | 7639.1 | 6783.9 | 6036.0 | 6209.6 | 6000.2 | 5891.0 |
| 58°   | 6114.0 | 6657.1 | 7301.6 | 7663.2 | 7559.1 | 6745.5 | 6035.3 | 6207.0 | 6008.0 | 5898.1 |
| 60°   | 6099.1 | 6475.6 | 7033.0 | 7354.9 | 7245.7 | 6504.9 | 6010.6 | 6158.3 | 5909.2 | 5816.2 |
| 62.5° | 5960.6 | 6160.9 | 6569.3 | 6803.4 | 6772.2 | 6129.0 | 5909.2 | 5974.2 | 5608.1 | 5518.3 |
| 65°   | 5778.5 | 5731.6 | 5975.5 | 6141.4 | 6164.8 | 5847.4 | 5808.4 | 5576.2 | 5221.7 | 5094.9 |
| 67.5° | 5557.3 | 5245.2 | 5244.5 | 5338.8 | 5377.8 | 5414.3 | 5598.3 | 5143.7 | 4665.0 | 4531.1 |
| 70°   | 5182.1 | 4495.3 | 4288.5 | 4399.7 | 4367.2 | 4674.8 | 5223.0 | 4536.3 | 3993.9 | 3837.1 |
| 72.5° | 4494.0 | 3567.2 | 3236.2 | 3379.3 | 3297.3 | 3666.1 | 4570.1 | 3733.1 | 3302.5 | 3110.0 |
| 75°   | 3642.7 | 2668.4 | 2327.0 | 2458.4 | 2407.6 | 2780.9 | 3802.7 | 2711.4 | 2368.6 | 2295.1 |
| 77.5° | 2828.4 | 1933.5 | 1735.2 | 1717.0 | 1754.7 | 2069.4 | 2789.4 | 1830.8 | 1561.5 | 1511.4 |
| 80°   | 1817.1 | 1384.0 | 1395.7 | 1372.3 | 1391.8 | 1304.6 | 1693.5 | 1168.0 | 1057.5 | 1017.2 |
| 82.5° | 1196.0 | 964.5  | 1149.8 | 1061.4 | 1008.1 | 877.3  | 1110.8 | 764.8  | 649.1  | 626.9  |
| 85°   | 814.9  | 710.2  | 646.5  | 494.3  | 582.1  | 675.7  | 833.1  | 411.7  | 326.5  | 295.9  |
| 87.5° | 368.1  | 247.1  | 181.5  | 111.9  | 176.9  | 204.2  | 404.5  | 48.1   | 37.1   | 38.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)