

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: INVUE

Report Number:

Luminaire Tested: **ENT-SA1C-740-U-SLL-HSS-ULG**

Issue Date: 3/30/2022

**Test Information**

Test Method: LM-79-08  
Report Number: REPORT IS A COMBINATION OF REPORTS P401318 AND P226775  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENT-SA1C-740-U-SLL-HSS-ULG  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT  
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5165.9 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.1')  
IES Classification: Type III - Short  
BUG Rating: B1 - U5 - G1

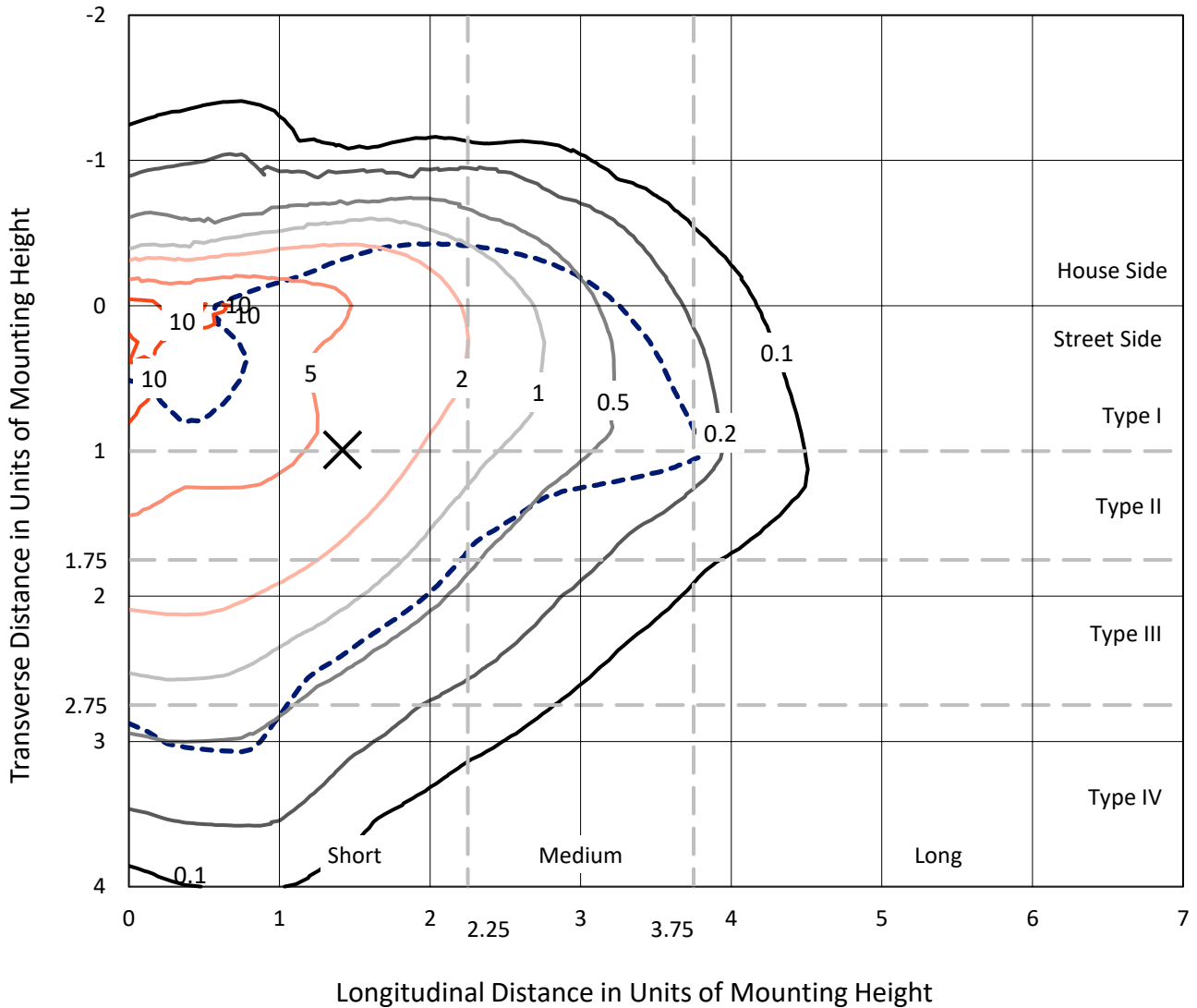
Input Watts (W): 50  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER:  
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### Iso-Footcandle Lines of Horizontal Illumination

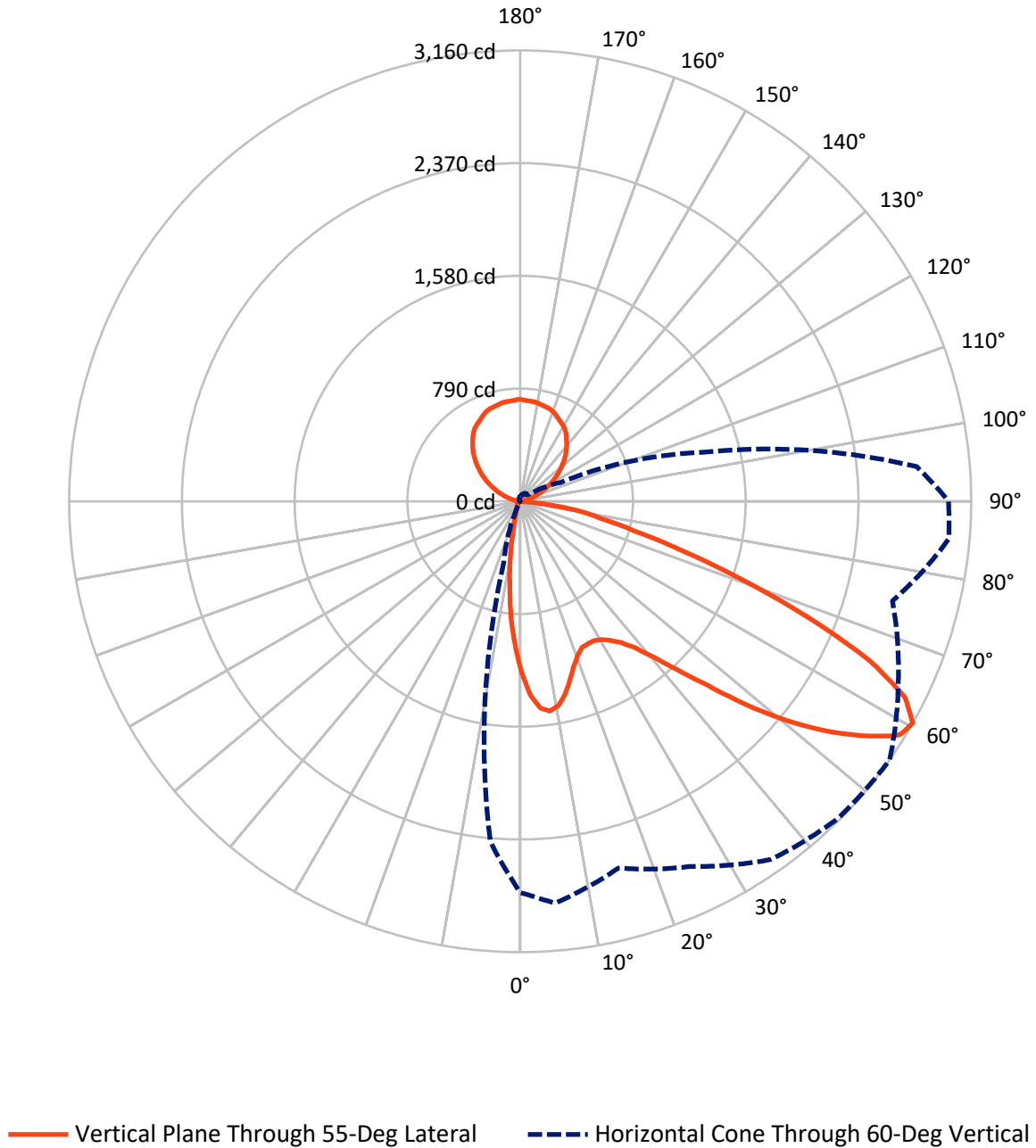
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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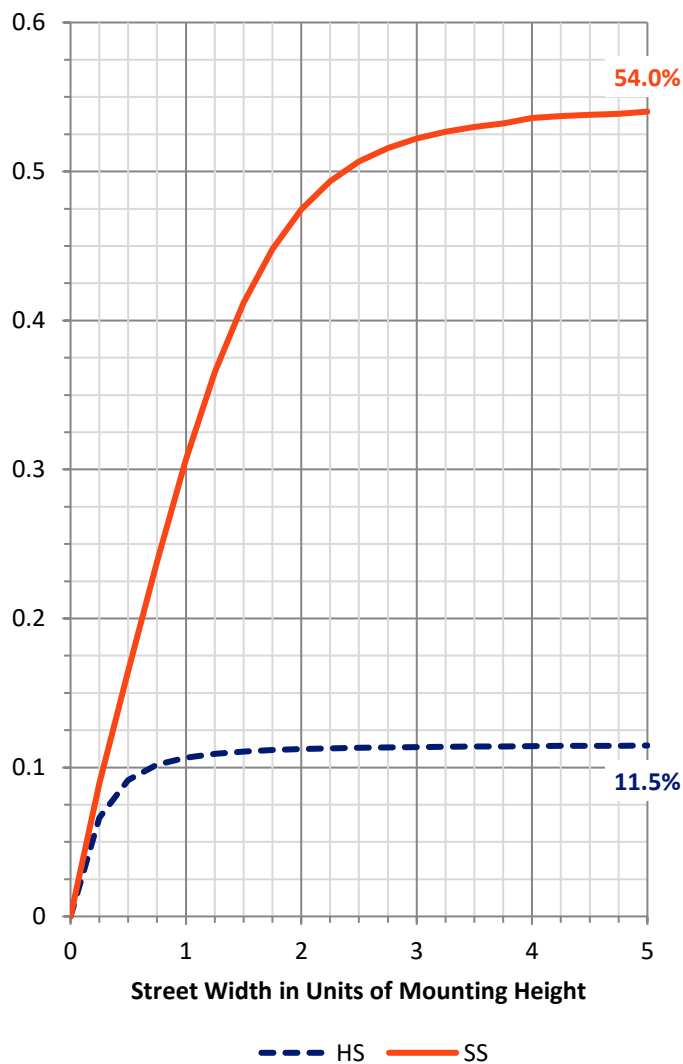
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 600.7    | 887.0  | 1487.6 |
|                    | % Fixture | 11.6     | 17.2   | 28.8   |
| <b>Street Side</b> | Lumens    | 2791.3   | 887.0  | 3678.3 |
|                    | % Fixture | 54.0     | 17.2   | 71.2   |
| <b>Total</b>       | Lumens    | 3392.0   | 1773.9 | 5165.9 |
|                    | % Fixture | 65.7     | 34.3   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.1   | 1.7       |
| 10°-20°   | 171.4  | 3.3       |
| 20°-30°   | 244.6  | 4.7       |
| 30°-40°   | 358.7  | 6.9       |
| 40°-50°   | 528.9  | 10.2      |
| 50°-60°   | 783.6  | 15.2      |
| 60°-70°   | 835.0  | 16.2      |
| 70°-80°   | 346.4  | 6.7       |
| 80°-90°   | 33.3   | 0.6       |
| 90°-100°  | 8.4    | 0.2       |
| 100°-110° | 58.7   | 1.1       |
| 110°-120° | 169.9  | 3.3       |
| 120°-130° | 279.4  | 5.4       |
| 130°-140° | 344.6  | 6.7       |
| 140°-150° | 352.5  | 6.8       |
| 150°-160° | 297.0  | 5.7       |
| 160°-170° | 195.5  | 3.8       |
| 170°-180° | 67.8   | 1.3       |
| 0°-90°    | 3392.0 | 65.7      |
| 0°-180°   | 5165.9 | 100.0     |

**Coefficient of Utilization**

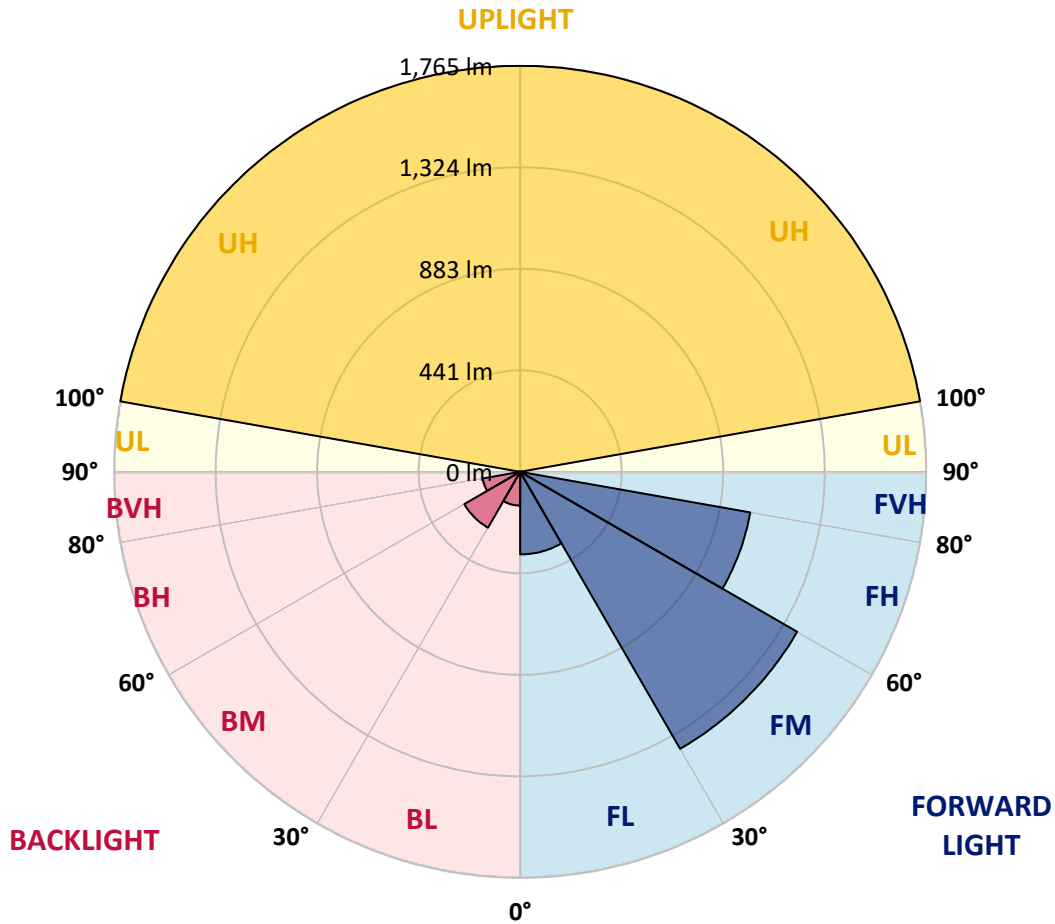


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|----------------|--------|-----------|-------------------------|-------|---------|
|                |        |           | B                       | U     | G       |
| FL (0°-30°)    | 359.3  | 7.0       |                         |       |         |
| FM (30°-60°)   | 1390.8 | 26.9      |                         |       |         |
| FH (60°-80°)   | 1015.8 | 19.7      |                         |       | G1/1800 |
| FVH (80°-90°)  | 25.5   | 0.5       |                         |       | G1/100  |
| BL (0°-30°)    | 146.9  | 2.8       | B1/500                  |       |         |
| BM (30°-60°)   | 280.4  | 5.4       | B1/1000                 |       |         |
| BH (60°-80°)   | 165.6  | 3.2       | B1/500                  |       | G1/500  |
| BVH (80°-90°)  | 7.8    | 0.2       |                         |       | G0/10   |
| UL (90°-100°)  | 8.4    | 0.2       |                         | U1/10 |         |
| UH (100°-180°) | 1765.5 | 34.2      |                         | U5    |         |

**BUG Rating: B1-U5-G1**  
 Type III Short





REPORT NUMBER:

CATALOG NUMBER: ENT-SA1C-740-U-SLL-HSS-ULG

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 |
| 2.5°   | 1251.1 | 1249.2 | 1267.2 | 1304.4 | 1327.4 | 1341.5 | 1344.1 | 1358.9 | 1344.1 | 1336.4 | 1308.8 |
| 5°     | 1214.6 | 1213.9 | 1248.6 | 1330.0 | 1396.7 | 1446.7 | 1471.1 | 1454.4 | 1428.8 | 1378.1 | 1316.5 |
| 7.5°   | 1113.3 | 1113.3 | 1178.7 | 1287.7 | 1399.3 | 1485.8 | 1515.3 | 1484.6 | 1423.6 | 1321.7 | 1211.4 |
| 10°    | 1030.5 | 1038.2 | 1101.1 | 1231.2 | 1355.0 | 1449.9 | 1482.6 | 1458.9 | 1379.4 | 1247.3 | 1117.7 |
| 12.5°  | 981.1  | 985.6  | 1055.5 | 1186.4 | 1301.8 | 1378.7 | 1398.6 | 1391.6 | 1333.9 | 1190.2 | 1053.0 |
| 15°    | 985.6  | 992.1  | 1072.2 | 1179.3 | 1254.3 | 1285.1 | 1292.2 | 1301.1 | 1277.4 | 1167.1 | 1031.8 |
| 17.5°  | 1056.2 | 1060.7 | 1141.5 | 1210.7 | 1207.5 | 1197.9 | 1200.5 | 1215.2 | 1243.4 | 1186.4 | 1074.8 |
| 20°    | 1169.0 | 1180.6 | 1262.0 | 1263.3 | 1183.2 | 1138.3 | 1126.7 | 1151.1 | 1227.4 | 1237.0 | 1166.5 |
| 22.5°  | 1314.0 | 1318.5 | 1401.2 | 1351.8 | 1185.7 | 1097.2 | 1083.8 | 1111.3 | 1232.5 | 1319.1 | 1293.5 |
| 25°    | 1482.0 | 1498.0 | 1542.9 | 1466.6 | 1222.9 | 1091.4 | 1082.5 | 1105.6 | 1251.1 | 1406.3 | 1424.3 |
| 27.5°  | 1595.5 | 1608.3 | 1651.3 | 1544.8 | 1256.3 | 1094.7 | 1078.0 | 1106.2 | 1273.6 | 1488.4 | 1564.1 |
| 30°    | 1696.8 | 1705.8 | 1721.8 | 1585.9 | 1294.1 | 1110.7 | 1083.8 | 1124.2 | 1285.8 | 1505.7 | 1654.5 |
| 32.5°  | 1792.4 | 1803.3 | 1793.6 | 1635.2 | 1335.8 | 1140.8 | 1094.7 | 1162.0 | 1312.0 | 1540.3 | 1733.4 |
| 35°    | 1915.5 | 1916.1 | 1883.4 | 1684.6 | 1383.2 | 1176.7 | 1126.7 | 1215.9 | 1363.3 | 1594.2 | 1818.0 |
| 37.5°  | 2061.7 | 2063.0 | 1980.3 | 1735.3 | 1437.1 | 1237.0 | 1202.4 | 1299.2 | 1437.7 | 1656.4 | 1939.2 |
| 40°    | 2189.3 | 2194.4 | 2084.8 | 1793.6 | 1503.1 | 1354.4 | 1351.2 | 1431.3 | 1533.3 | 1739.1 | 2069.4 |
| 42.5°  | 2300.3 | 2315.0 | 2181.0 | 1842.4 | 1596.8 | 1534.6 | 1542.3 | 1615.4 | 1649.4 | 1808.4 | 2150.2 |
| 45°    | 2412.5 | 2411.8 | 2259.9 | 1891.1 | 1753.2 | 1766.7 | 1839.8 | 1836.6 | 1780.8 | 1845.6 | 2213.7 |
| 47.5°  | 2482.4 | 2479.2 | 2307.9 | 1970.6 | 1964.2 | 2093.1 | 2170.7 | 2128.4 | 1926.4 | 1885.3 | 2293.2 |
| 50°    | 2509.3 | 2508.0 | 2345.8 | 2072.0 | 2179.1 | 2388.7 | 2499.7 | 2415.0 | 2104.7 | 1952.0 | 2388.1 |
| 52.5°  | 2585.6 | 2579.2 | 2433.0 | 2187.4 | 2373.4 | 2673.5 | 2765.2 | 2670.9 | 2282.3 | 2072.0 | 2498.4 |
| 55°    | 2704.9 | 2706.8 | 2583.1 | 2322.7 | 2529.2 | 2874.2 | 2986.4 | 2902.4 | 2463.8 | 2236.8 | 2649.7 |
| 57.5°  | 2785.1 | 2790.8 | 2749.1 | 2473.4 | 2695.9 | 3014.6 | 3123.6 | 3099.9 | 2705.5 | 2433.6 | 2827.4 |
| 58°    | 2792.8 | 2797.2 | 2775.4 | 2502.3 | 2720.9 | 3030.7 | 3142.2 | 3125.6 | 2758.8 | 2496.5 | 2869.7 |
| 60°    | 2743.4 | 2756.8 | 2826.7 | 2661.3 | 2824.2 | 3064.7 | 3145.5 | 3160.2 | 2923.6 | 2700.4 | 3014.6 |
| 62.5°  | 2609.3 | 2613.8 | 2740.8 | 2839.6 | 2894.7 | 2980.6 | 2988.3 | 3026.8 | 2991.5 | 2939.6 | 3144.2 |
| 65°    | 2445.2 | 2445.2 | 2582.4 | 2847.9 | 2711.9 | 2697.8 | 2653.0 | 2691.4 | 2793.4 | 3089.7 | 3135.2 |
| 67.5°  | 2159.8 | 2161.7 | 2336.8 | 2536.9 | 2248.3 | 2199.6 | 2170.7 | 2184.8 | 2402.2 | 2964.6 | 2960.8 |
| 70°    | 1745.5 | 1744.3 | 1924.5 | 2054.0 | 1668.6 | 1626.9 | 1661.5 | 1657.1 | 1951.4 | 2634.4 | 2585.0 |
| 72.5°  | 1234.5 | 1245.4 | 1430.7 | 1586.5 | 1133.1 | 976.7  | 1129.3 | 1188.3 | 1467.9 | 2220.7 | 2000.1 |
| 75°    | 695.1  | 709.9  | 861.2  | 1102.4 | 715.0  | 660.5  | 738.7  | 822.8  | 1061.3 | 1768.0 | 1343.5 |
| 77.5°  | 348.9  | 354.6  | 441.2  | 530.3  | 433.5  | 503.4  | 498.9  | 579.1  | 727.8  | 1192.8 | 768.2  |
| 80°    | 201.4  | 212.9  | 242.4  | 273.8  | 242.4  | 319.4  | 370.7  | 436.1  | 448.3  | 616.9  | 428.4  |
| 82.5°  | 80.8   | 90.4   | 113.5  | 128.9  | 100.7  | 94.9   | 64.8   | 203.9  | 270.0  | 298.2  | 164.2  |
| 85°    | 0.0    | 0.0    | 0.6    | 1.3    | 1.9    | 1.9    | 3.2    | 35.9   | 66.1   | 14.7   | 26.9   |
| 87.5°  | 0.0    | 0.0    | 0.6    | 0.6    | 1.3    | 1.9    | 2.6    | 4.5    | 5.8    | 7.1    | 24.4   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 4.1    | 4.1    | 4.1    | 5.1    | 6.1    | 6.1    | 6.1    | 7.2    | 7.2    | 6.1    | 6.1    |
| 95°    | 5.1    | 5.1    | 5.1    | 6.1    | 7.2    | 7.2    | 7.2    | 7.2    | 8.2    | 7.2    | 7.2    |
| 97.5°  | 7.2    | 7.2    | 7.2    | 8.2    | 8.2    | 9.2    | 9.2    | 12.3   | 10.2   | 9.2    | 8.2    |
| 100°   | 8.2    | 8.2    | 8.2    | 9.2    | 10.2   | 12.3   | 21.5   | 29.7   | 26.6   | 23.5   | 19.4   |
| 102.5° | 11.3   | 11.3   | 11.3   | 13.3   | 18.4   | 27.6   | 40.9   | 51.1   | 48.1   | 43.0   | 39.9   |
| 105°   | 21.5   | 21.7   | 22.5   | 27.6   | 36.8   | 49.1   | 64.4   | 73.7   | 71.6   | 66.5   | 62.4   |
| 107.5° | 41.9   | 42.1   | 43.0   | 50.1   | 59.3   | 74.7   | 90.0   | 97.2   | 96.2   | 92.1   | 89.0   |



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CATALOG NUMBER: ENT-SA1C-740-U-SLL-HSS-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 1°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 67.5  | 67.9  | 69.6  | 75.7  | 89.0  | 104.3 | 116.6 | 122.8 | 123.8 | 121.7 | 118.7 |
| 112.5° | 101.3 | 101.3 | 101.3 | 108.4 | 123.8 | 137.1 | 146.3 | 151.4 | 153.4 | 152.4 | 150.4 |
| 115°   | 143.2 | 143.0 | 142.2 | 150.4 | 162.6 | 171.9 | 178.0 | 183.1 | 186.2 | 183.1 | 181.1 |
| 117.5° | 188.2 | 188.2 | 188.2 | 193.3 | 201.5 | 206.6 | 209.7 | 215.8 | 219.9 | 214.8 | 212.8 |
| 120°   | 230.2 | 229.8 | 228.1 | 231.2 | 238.3 | 242.4 | 248.6 | 251.6 | 255.7 | 250.6 | 248.6 |
| 122.5° | 269.0 | 268.4 | 266.0 | 267.0 | 273.1 | 277.2 | 283.4 | 285.4 | 289.5 | 284.4 | 282.3 |
| 125°   | 304.8 | 304.0 | 300.7 | 302.8 | 305.9 | 312.0 | 317.1 | 320.2 | 322.2 | 317.1 | 317.1 |
| 127.5° | 337.6 | 337.4 | 336.6 | 336.6 | 340.6 | 346.8 | 347.8 | 352.9 | 353.9 | 353.9 | 352.9 |
| 130°   | 371.3 | 370.9 | 369.3 | 370.3 | 374.4 | 378.5 | 380.5 | 385.7 | 389.7 | 389.7 | 387.7 |
| 132.5° | 405.1 | 404.7 | 403.0 | 402.0 | 410.2 | 413.3 | 414.3 | 420.4 | 425.5 | 423.5 | 423.5 |
| 135°   | 438.8 | 438.2 | 435.8 | 435.8 | 441.9 | 445.0 | 447.0 | 453.2 | 458.3 | 457.3 | 460.3 |
| 137.5° | 470.6 | 470.0 | 467.5 | 469.5 | 470.6 | 474.6 | 478.7 | 483.9 | 485.9 | 486.9 | 492.0 |
| 140°   | 499.2 | 498.6 | 496.1 | 498.2 | 500.2 | 502.3 | 508.4 | 511.5 | 513.5 | 515.6 | 520.7 |
| 142.5° | 529.9 | 529.3 | 526.8 | 528.9 | 529.9 | 533.0 | 537.0 | 539.1 | 545.2 | 545.2 | 546.3 |
| 145°   | 562.6 | 561.8 | 558.5 | 556.5 | 559.6 | 562.6 | 563.6 | 568.8 | 574.9 | 573.9 | 570.8 |
| 147.5° | 588.2 | 587.6 | 585.1 | 584.1 | 587.2 | 587.2 | 588.2 | 593.3 | 598.4 | 599.4 | 596.4 |
| 150°   | 608.7 | 608.1 | 605.6 | 606.6 | 606.6 | 606.6 | 606.6 | 610.7 | 613.8 | 616.8 | 619.9 |
| 152.5° | 625.0 | 624.4 | 622.0 | 622.0 | 623.0 | 624.0 | 624.0 | 625.0 | 628.1 | 632.2 | 637.3 |
| 155°   | 643.4 | 642.6 | 639.3 | 639.3 | 641.4 | 644.5 | 642.4 | 640.4 | 645.5 | 650.6 | 652.6 |
| 157.5° | 660.8 | 660.2 | 657.8 | 657.8 | 658.8 | 660.8 | 659.8 | 658.8 | 662.9 | 664.9 | 664.9 |
| 160°   | 678.2 | 677.6 | 675.1 | 674.1 | 671.1 | 670.0 | 670.0 | 673.1 | 679.2 | 676.2 | 675.1 |
| 162.5° | 688.4 | 687.6 | 684.4 | 684.4 | 680.3 | 676.2 | 678.2 | 682.3 | 686.4 | 685.4 | 683.3 |
| 165°   | 696.6 | 696.0 | 693.6 | 691.5 | 691.5 | 688.4 | 688.4 | 687.4 | 692.5 | 695.6 | 693.6 |
| 167.5° | 705.8 | 705.2 | 702.8 | 699.7 | 701.7 | 703.8 | 700.7 | 693.6 | 699.7 | 703.8 | 703.8 |
| 170°   | 714.0 | 713.4 | 711.0 | 707.9 | 707.9 | 708.9 | 706.9 | 701.7 | 704.8 | 709.9 | 712.0 |
| 172.5° | 715.0 | 714.6 | 713.0 | 711.0 | 708.9 | 705.8 | 705.8 | 704.8 | 707.9 | 709.9 | 712.0 |
| 175°   | 716.1 | 715.7 | 714.0 | 713.0 | 711.0 | 706.9 | 705.8 | 705.8 | 711.0 | 712.0 | 709.9 |
| 177.5° | 723.2 | 722.8 | 721.2 | 716.1 | 715.0 | 713.0 | 711.0 | 709.9 | 715.0 | 717.1 | 714.0 |
| 180°   | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |





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**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 |
| 2.5°   | 1298.6 | 1291.5 | 1267.8 | 1231.9 | 1209.4 | 1174.8 | 1160.7 | 1128.0 | 1111.3 | 1083.8 | 1083.8 |
| 5°     | 1285.8 | 1256.9 | 1197.3 | 1119.7 | 1064.5 | 1006.8 | 988.2  | 949.7  | 922.2  | 889.4  | 876.0  |
| 7.5°   | 1169.0 | 1128.6 | 1035.7 | 945.2  | 857.4  | 799.0  | 741.3  | 702.2  | 665.0  | 638.1  | 641.9  |
| 10°    | 1062.0 | 1004.2 | 902.3  | 787.5  | 696.4  | 635.5  | 583.6  | 538.0  | 499.6  | 461.7  | 455.9  |
| 12.5°  | 992.1  | 926.0  | 804.2  | 681.0  | 613.1  | 568.2  | 520.1  | 470.1  | 422.6  | 380.9  | 364.2  |
| 15°    | 962.6  | 890.7  | 754.8  | 638.7  | 576.5  | 518.8  | 463.0  | 401.4  | 346.9  | 296.9  | 283.4  |
| 17.5°  | 994.6  | 908.7  | 750.3  | 610.5  | 523.9  | 451.5  | 373.9  | 306.5  | 242.4  | 206.5  | 195.6  |
| 20°    | 1081.8 | 970.2  | 765.0  | 582.3  | 465.6  | 371.9  | 277.0  | 200.7  | 164.8  | 143.0  | 136.0  |
| 22.5°  | 1208.2 | 1072.2 | 790.1  | 554.7  | 406.6  | 277.0  | 191.1  | 144.9  | 123.8  | 112.2  | 109.0  |
| 25°    | 1345.4 | 1203.7 | 836.2  | 531.6  | 347.6  | 205.8  | 141.7  | 118.6  | 105.8  | 97.5   | 94.3   |
| 27.5°  | 1499.9 | 1333.9 | 892.7  | 514.3  | 293.1  | 164.8  | 121.8  | 104.5  | 94.3   | 88.5   | 85.9   |
| 30°    | 1596.8 | 1427.5 | 935.6  | 483.5  | 255.9  | 150.1  | 116.1  | 98.8   | 87.9   | 83.4   | 81.4   |
| 32.5°  | 1685.9 | 1501.2 | 976.7  | 448.3  | 227.7  | 132.7  | 112.9  | 103.9  | 91.1   | 82.1   | 78.2   |
| 35°    | 1784.0 | 1576.9 | 996.5  | 427.1  | 209.1  | 115.4  | 93.0   | 80.8   | 73.7   | 72.5   | 70.5   |
| 37.5°  | 1930.2 | 1666.7 | 1009.4 | 415.5  | 197.5  | 105.2  | 86.6   | 73.1   | 64.8   | 57.1   | 53.9   |
| 40°    | 2068.8 | 1759.7 | 1015.8 | 404.6  | 191.7  | 98.8   | 82.7   | 69.3   | 60.3   | 53.2   | 50.0   |
| 42.5°  | 2177.1 | 1844.3 | 1019.6 | 396.9  | 181.5  | 94.9   | 79.5   | 66.7   | 57.1   | 50.0   | 46.8   |
| 45°    | 2265.6 | 1942.4 | 1016.4 | 394.4  | 173.1  | 97.5   | 78.2   | 64.8   | 54.5   | 47.5   | 44.2   |
| 47.5°  | 2352.2 | 2048.9 | 1028.6 | 391.2  | 164.8  | 93.6   | 78.9   | 64.1   | 52.6   | 45.5   | 42.3   |
| 50°    | 2465.7 | 2177.8 | 1072.9 | 382.2  | 159.0  | 87.9   | 85.3   | 64.8   | 51.9   | 44.2   | 41.7   |
| 52.5°  | 2612.6 | 2356.0 | 1153.0 | 372.6  | 152.0  | 82.7   | 89.1   | 64.8   | 50.7   | 43.0   | 39.8   |
| 55°    | 2790.8 | 2556.1 | 1241.5 | 358.5  | 139.8  | 76.3   | 85.3   | 64.8   | 49.4   | 42.3   | 38.5   |
| 57.5°  | 2936.4 | 2734.4 | 1311.4 | 341.8  | 117.4  | 68.6   | 78.2   | 62.2   | 46.2   | 39.8   | 36.6   |
| 58°    | 2949.2 | 2754.9 | 1321.0 | 337.3  | 114.8  | 67.3   | 76.3   | 61.6   | 44.9   | 39.1   | 35.9   |
| 60°    | 3001.2 | 2788.3 | 1324.9 | 312.9  | 95.5   | 64.1   | 66.1   | 59.6   | 42.3   | 36.6   | 34.0   |
| 62.5°  | 2983.2 | 2678.0 | 1243.4 | 270.0  | 85.3   | 58.4   | 55.1   | 60.9   | 39.1   | 33.3   | 30.8   |
| 65°    | 2894.1 | 2461.2 | 1089.5 | 241.8  | 85.9   | 51.9   | 47.5   | 53.2   | 35.9   | 30.1   | 27.6   |
| 67.5°  | 2681.8 | 2132.2 | 885.0  | 226.4  | 89.8   | 46.2   | 41.0   | 39.8   | 32.1   | 26.9   | 25.0   |
| 70°    | 2287.4 | 1747.5 | 670.8  | 212.9  | 94.9   | 41.0   | 37.8   | 35.3   | 29.5   | 25.0   | 22.4   |
| 72.5°  | 1684.6 | 1294.1 | 488.0  | 199.4  | 92.3   | 36.6   | 35.3   | 32.1   | 26.9   | 22.4   | 21.2   |
| 75°    | 1051.0 | 751.6  | 334.1  | 162.9  | 82.7   | 32.1   | 32.7   | 30.1   | 24.4   | 21.2   | 19.2   |
| 77.5°  | 613.7  | 527.8  | 164.8  | 121.2  | 57.1   | 28.2   | 28.9   | 27.6   | 25.0   | 19.9   | 18.6   |
| 80°    | 367.5  | 328.3  | 70.5   | 51.9   | 31.4   | 25.0   | 24.4   | 25.7   | 23.7   | 18.6   | 17.3   |
| 82.5°  | 159.0  | 142.4  | 34.0   | 28.9   | 25.7   | 21.8   | 21.2   | 21.8   | 20.5   | 15.4   | 14.7   |
| 85°    | 9.0    | 23.7   | 16.0   | 21.2   | 19.2   | 16.0   | 16.0   | 16.7   | 14.7   | 12.2   | 12.2   |
| 87.5°  | 8.3    | 18.0   | 10.3   | 12.8   | 14.1   | 12.2   | 12.8   | 12.8   | 12.2   | 10.9   | 10.3   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 6.1    | 6.1    | 6.1    | 7.2    | 7.2    | 6.1    | 6.1    | 6.1    | 5.1    | 4.1    | 4.1    |
| 95°    | 7.2    | 7.2    | 7.2    | 8.2    | 7.2    | 7.2    | 7.2    | 7.2    | 6.1    | 5.1    | 5.1    |
| 97.5°  | 8.2    | 8.2    | 9.2    | 10.2   | 12.3   | 9.2    | 9.2    | 8.2    | 8.2    | 7.2    | 7.2    |
| 100°   | 19.4   | 19.4   | 23.5   | 26.6   | 29.7   | 21.5   | 12.3   | 10.2   | 9.2    | 8.2    | 8.2    |
| 102.5° | 38.9   | 39.9   | 43.0   | 48.1   | 51.1   | 40.9   | 27.6   | 18.4   | 13.3   | 11.3   | 11.3   |
| 105°   | 62.4   | 62.4   | 66.5   | 71.6   | 73.7   | 64.4   | 49.1   | 36.8   | 27.6   | 22.5   | 21.5   |
| 107.5° | 88.0   | 89.0   | 92.1   | 96.2   | 97.2   | 90.0   | 74.7   | 59.3   | 50.1   | 43.0   | 41.9   |



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**CANDELA DISTRIBUTION (continued):**

|        | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 119.7 | 118.7 | 121.7 | 123.8 | 122.8 | 116.6 | 104.3 | 89.0  | 75.7  | 69.6  | 67.5  |
| 112.5° | 150.4 | 150.4 | 152.4 | 153.4 | 151.4 | 146.3 | 137.1 | 123.8 | 108.4 | 101.3 | 101.3 |
| 115°   | 182.1 | 181.1 | 183.1 | 186.2 | 183.1 | 178.0 | 171.9 | 162.6 | 150.4 | 142.2 | 143.2 |
| 117.5° | 213.8 | 212.8 | 214.8 | 219.9 | 215.8 | 209.7 | 206.6 | 201.5 | 193.3 | 188.2 | 188.2 |
| 120°   | 248.6 | 248.6 | 250.6 | 255.7 | 251.6 | 248.6 | 242.4 | 238.3 | 231.2 | 228.1 | 230.2 |
| 122.5° | 283.4 | 282.3 | 284.4 | 289.5 | 285.4 | 283.4 | 277.2 | 273.1 | 267.0 | 266.0 | 269.0 |
| 125°   | 317.1 | 317.1 | 317.1 | 322.2 | 320.2 | 317.1 | 312.0 | 305.9 | 302.8 | 300.7 | 304.8 |
| 127.5° | 355.0 | 352.9 | 353.9 | 353.9 | 352.9 | 347.8 | 346.8 | 340.6 | 336.6 | 336.6 | 337.6 |
| 130°   | 388.7 | 387.7 | 389.7 | 389.7 | 385.7 | 380.5 | 378.5 | 374.4 | 370.3 | 369.3 | 371.3 |
| 132.5° | 424.5 | 423.5 | 423.5 | 425.5 | 420.4 | 414.3 | 413.3 | 410.2 | 402.0 | 403.0 | 405.1 |
| 135°   | 461.4 | 460.3 | 457.3 | 458.3 | 453.2 | 447.0 | 445.0 | 441.9 | 435.8 | 435.8 | 438.8 |
| 137.5° | 493.1 | 492.0 | 486.9 | 485.9 | 483.9 | 478.7 | 474.6 | 470.6 | 469.5 | 467.5 | 470.6 |
| 140°   | 522.7 | 520.7 | 515.6 | 513.5 | 511.5 | 508.4 | 502.3 | 500.2 | 498.2 | 496.1 | 499.2 |
| 142.5° | 548.3 | 546.3 | 545.2 | 545.2 | 539.1 | 537.0 | 533.0 | 529.9 | 528.9 | 526.8 | 529.9 |
| 145°   | 572.9 | 570.8 | 573.9 | 574.9 | 568.8 | 563.6 | 562.6 | 559.6 | 556.5 | 558.5 | 562.6 |
| 147.5° | 598.4 | 596.4 | 599.4 | 598.4 | 593.3 | 588.2 | 587.2 | 587.2 | 584.1 | 585.1 | 588.2 |
| 150°   | 624.0 | 619.9 | 616.8 | 613.8 | 610.7 | 606.6 | 606.6 | 606.6 | 606.6 | 605.6 | 608.7 |
| 152.5° | 642.4 | 637.3 | 632.2 | 628.1 | 625.0 | 624.0 | 624.0 | 623.0 | 622.0 | 622.0 | 625.0 |
| 155°   | 655.7 | 652.6 | 650.6 | 645.5 | 640.4 | 642.4 | 644.5 | 641.4 | 639.3 | 639.3 | 643.4 |
| 157.5° | 670.0 | 664.9 | 664.9 | 662.9 | 658.8 | 659.8 | 660.8 | 658.8 | 657.8 | 657.8 | 660.8 |
| 160°   | 681.3 | 675.1 | 676.2 | 679.2 | 673.1 | 670.0 | 670.0 | 671.1 | 674.1 | 675.1 | 678.2 |
| 162.5° | 689.5 | 683.3 | 685.4 | 686.4 | 682.3 | 678.2 | 676.2 | 680.3 | 684.4 | 684.4 | 688.4 |
| 165°   | 697.7 | 693.6 | 695.6 | 692.5 | 687.4 | 688.4 | 688.4 | 691.5 | 691.5 | 693.6 | 696.6 |
| 167.5° | 709.9 | 703.8 | 703.8 | 699.7 | 693.6 | 700.7 | 703.8 | 701.7 | 699.7 | 702.8 | 705.8 |
| 170°   | 717.1 | 712.0 | 709.9 | 704.8 | 701.7 | 706.9 | 708.9 | 707.9 | 707.9 | 711.0 | 714.0 |
| 172.5° | 717.1 | 712.0 | 709.9 | 707.9 | 704.8 | 705.8 | 705.8 | 708.9 | 711.0 | 713.0 | 715.0 |
| 175°   | 715.0 | 709.9 | 712.0 | 711.0 | 705.8 | 705.8 | 706.9 | 711.0 | 713.0 | 714.0 | 716.1 |
| 177.5° | 718.1 | 714.0 | 717.1 | 715.0 | 709.9 | 711.0 | 713.0 | 715.0 | 716.1 | 721.2 | 723.2 |
| 180°   | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |



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**CANDELA DISTRIBUTION (continued):**

|        | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 |
| 2.5°   | 1069.0 | 1062.0 | 1040.8 | 1033.1 | 999.7  | 1008.1 | 1010.6 | 1007.4 | 1008.7 | 1011.3 | 1020.9 |
| 5°     | 885.6  | 874.1  | 846.5  | 828.5  | 818.9  | 812.5  | 782.4  | 783.0  | 787.5  | 770.2  | 792.6  |
| 7.5°   | 629.1  | 641.9  | 644.5  | 627.8  | 617.5  | 595.7  | 568.2  | 552.8  | 526.5  | 541.2  | 544.4  |
| 10°    | 450.2  | 443.8  | 455.9  | 450.2  | 434.1  | 425.8  | 396.3  | 393.7  | 391.2  | 389.3  | 407.9  |
| 12.5°  | 343.1  | 323.8  | 309.7  | 312.9  | 300.8  | 280.2  | 275.1  | 275.7  | 278.3  | 278.3  | 283.4  |
| 15°    | 271.9  | 242.4  | 220.0  | 206.5  | 208.4  | 187.9  | 182.1  | 162.9  | 160.3  | 154.5  | 155.8  |
| 17.5°  | 190.5  | 178.3  | 164.8  | 149.4  | 143.0  | 124.4  | 102.0  | 91.7   | 84.0   | 85.3   | 89.1   |
| 20°    | 131.5  | 126.3  | 122.5  | 114.8  | 108.4  | 86.6   | 72.5   | 68.0   | 67.3   | 68.6   | 69.9   |
| 22.5°  | 105.8  | 100.7  | 96.8   | 94.3   | 85.9   | 69.9   | 62.2   | 59.0   | 59.0   | 59.0   | 59.6   |
| 25°    | 91.1   | 85.9   | 80.8   | 80.8   | 73.1   | 60.9   | 55.1   | 52.6   | 51.9   | 51.3   | 52.6   |
| 27.5°  | 84.6   | 77.6   | 72.5   | 69.3   | 63.5   | 53.9   | 48.7   | 46.2   | 45.5   | 45.5   | 46.2   |
| 30°    | 78.2   | 71.2   | 66.1   | 61.6   | 55.1   | 48.1   | 43.0   | 41.0   | 39.8   | 39.8   | 40.4   |
| 32.5°  | 74.4   | 67.3   | 60.9   | 55.1   | 48.1   | 42.3   | 37.8   | 35.3   | 34.0   | 34.6   | 35.3   |
| 35°    | 66.1   | 60.3   | 54.5   | 48.7   | 42.3   | 37.2   | 32.7   | 30.1   | 29.5   | 29.5   | 30.1   |
| 37.5°  | 51.9   | 47.5   | 46.2   | 43.0   | 37.2   | 32.1   | 27.6   | 25.0   | 24.4   | 24.4   | 25.0   |
| 40°    | 46.8   | 41.0   | 38.5   | 37.2   | 34.0   | 27.6   | 22.4   | 19.9   | 19.9   | 19.2   | 20.5   |
| 42.5°  | 43.0   | 37.2   | 32.7   | 31.4   | 29.5   | 23.7   | 18.0   | 16.0   | 15.4   | 15.4   | 16.0   |
| 45°    | 40.4   | 34.0   | 28.2   | 25.0   | 25.0   | 19.2   | 14.7   | 12.2   | 11.5   | 11.5   | 12.2   |
| 47.5°  | 39.1   | 32.1   | 25.0   | 20.5   | 19.9   | 16.0   | 11.5   | 9.0    | 8.3    | 8.3    | 8.3    |
| 50°    | 37.8   | 29.5   | 22.4   | 17.3   | 15.4   | 13.5   | 9.0    | 7.1    | 6.4    | 6.4    | 6.4    |
| 52.5°  | 35.9   | 28.2   | 20.5   | 15.4   | 12.2   | 10.3   | 7.1    | 5.1    | 4.5    | 3.8    | 4.5    |
| 55°    | 34.6   | 26.3   | 19.9   | 14.1   | 10.3   | 7.7    | 5.1    | 3.8    | 3.2    | 3.2    | 3.2    |
| 57.5°  | 32.7   | 24.4   | 18.0   | 13.5   | 9.6    | 5.8    | 3.8    | 2.6    | 1.9    | 1.9    | 2.6    |
| 58°    | 32.1   | 24.4   | 17.3   | 12.8   | 9.0    | 5.8    | 3.8    | 2.6    | 1.9    | 1.9    | 2.6    |
| 60°    | 30.1   | 22.4   | 16.7   | 11.5   | 8.3    | 5.1    | 3.2    | 1.9    | 1.3    | 1.3    | 1.9    |
| 62.5°  | 28.2   | 20.5   | 14.7   | 10.3   | 7.1    | 4.5    | 2.6    | 1.3    | 0.6    | 0.6    | 0.6    |
| 65°    | 25.0   | 18.6   | 12.8   | 9.6    | 5.8    | 3.2    | 1.9    | 0.6    | 0.0    | 0.0    | 0.0    |
| 67.5°  | 22.4   | 17.3   | 11.5   | 8.3    | 5.1    | 2.6    | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 20.5   | 16.0   | 10.3   | 7.1    | 4.5    | 1.9    | 0.6    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 19.2   | 14.7   | 9.6    | 6.4    | 3.2    | 1.9    | 0.6    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°    | 18.6   | 14.1   | 9.6    | 5.8    | 3.2    | 1.9    | 1.3    | 0.6    | 0.0    | 0.0    | 0.6    |
| 77.5°  | 18.0   | 14.1   | 9.6    | 5.8    | 3.8    | 1.9    | 1.9    | 1.3    | 1.3    | 0.6    | 1.9    |
| 80°    | 16.7   | 12.8   | 8.3    | 5.1    | 3.2    | 2.6    | 1.9    | 1.3    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 14.1   | 10.3   | 7.1    | 5.1    | 3.2    | 1.9    | 0.6    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 11.5   | 8.3    | 5.8    | 3.2    | 1.9    | 0.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 10.3   | 6.4    | 4.5    | 2.6    | 1.3    | 0.6    | 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    |
| 92.5°  | 4.1    | 5.1    | 6.1    | 6.1    | 6.1    | 7.2    | 7.2    | 6.1    | 6.1    | 6.1    | 6.1    |
| 95°    | 5.1    | 6.1    | 7.2    | 7.2    | 7.2    | 7.2    | 8.2    | 7.2    | 7.2    | 7.2    | 7.2    |
| 97.5°  | 7.2    | 8.2    | 8.2    | 9.2    | 9.2    | 12.3   | 10.2   | 9.2    | 8.2    | 8.2    | 8.2    |
| 100°   | 8.2    | 9.2    | 10.2   | 12.3   | 21.5   | 29.7   | 26.6   | 23.5   | 19.4   | 19.4   | 19.4   |
| 102.5° | 11.3   | 13.3   | 18.4   | 27.6   | 40.9   | 51.1   | 48.1   | 43.0   | 39.9   | 38.9   | 39.9   |
| 105°   | 22.5   | 27.6   | 36.8   | 49.1   | 64.4   | 73.7   | 71.6   | 66.5   | 62.4   | 62.4   | 62.4   |
| 107.5° | 43.0   | 50.1   | 59.3   | 74.7   | 90.0   | 97.2   | 96.2   | 92.1   | 89.0   | 88.0   | 89.0   |



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**CANDELA DISTRIBUTION (continued):**

|        | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  | 275°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 69.6  | 75.7  | 89.0  | 104.3 | 116.6 | 122.8 | 123.8 | 121.7 | 118.7 | 119.7 | 118.7 |
| 112.5° | 101.3 | 108.4 | 123.8 | 137.1 | 146.3 | 151.4 | 153.4 | 152.4 | 150.4 | 150.4 | 150.4 |
| 115°   | 142.2 | 150.4 | 162.6 | 171.9 | 178.0 | 183.1 | 186.2 | 183.1 | 181.1 | 182.1 | 181.1 |
| 117.5° | 188.2 | 193.3 | 201.5 | 206.6 | 209.7 | 215.8 | 219.9 | 214.8 | 212.8 | 213.8 | 212.8 |
| 120°   | 228.1 | 231.2 | 238.3 | 242.4 | 248.6 | 251.6 | 255.7 | 250.6 | 248.6 | 248.6 | 248.6 |
| 122.5° | 266.0 | 267.0 | 273.1 | 277.2 | 283.4 | 285.4 | 289.5 | 284.4 | 282.3 | 283.4 | 282.3 |
| 125°   | 300.7 | 302.8 | 305.9 | 312.0 | 317.1 | 320.2 | 322.2 | 317.1 | 317.1 | 317.1 | 317.1 |
| 127.5° | 336.6 | 336.6 | 340.6 | 346.8 | 347.8 | 352.9 | 353.9 | 353.9 | 352.9 | 355.0 | 352.9 |
| 130°   | 369.3 | 370.3 | 374.4 | 378.5 | 380.5 | 385.7 | 389.7 | 389.7 | 387.7 | 388.7 | 387.7 |
| 132.5° | 403.0 | 402.0 | 410.2 | 413.3 | 414.3 | 420.4 | 425.5 | 423.5 | 423.5 | 424.5 | 423.5 |
| 135°   | 435.8 | 435.8 | 441.9 | 445.0 | 447.0 | 453.2 | 458.3 | 457.3 | 460.3 | 461.4 | 460.3 |
| 137.5° | 467.5 | 469.5 | 470.6 | 474.6 | 478.7 | 483.9 | 485.9 | 486.9 | 492.0 | 493.1 | 492.0 |
| 140°   | 496.1 | 498.2 | 500.2 | 502.3 | 508.4 | 511.5 | 513.5 | 515.6 | 520.7 | 522.7 | 520.7 |
| 142.5° | 526.8 | 528.9 | 529.9 | 533.0 | 537.0 | 539.1 | 545.2 | 545.2 | 546.3 | 548.3 | 546.3 |
| 145°   | 558.5 | 556.5 | 559.6 | 562.6 | 563.6 | 568.8 | 574.9 | 573.9 | 570.8 | 572.9 | 570.8 |
| 147.5° | 585.1 | 584.1 | 587.2 | 587.2 | 588.2 | 593.3 | 598.4 | 599.4 | 596.4 | 598.4 | 596.4 |
| 150°   | 605.6 | 606.6 | 606.6 | 606.6 | 606.6 | 610.7 | 613.8 | 616.8 | 619.9 | 624.0 | 619.9 |
| 152.5° | 622.0 | 622.0 | 623.0 | 624.0 | 624.0 | 625.0 | 628.1 | 632.2 | 637.3 | 642.4 | 637.3 |
| 155°   | 639.3 | 639.3 | 641.4 | 644.5 | 642.4 | 640.4 | 645.5 | 650.6 | 652.6 | 655.7 | 652.6 |
| 157.5° | 657.8 | 657.8 | 658.8 | 660.8 | 659.8 | 658.8 | 662.9 | 664.9 | 664.9 | 670.0 | 664.9 |
| 160°   | 675.1 | 674.1 | 671.1 | 670.0 | 670.0 | 673.1 | 679.2 | 676.2 | 675.1 | 681.3 | 675.1 |
| 162.5° | 684.4 | 684.4 | 680.3 | 676.2 | 678.2 | 682.3 | 686.4 | 685.4 | 683.3 | 689.5 | 683.3 |
| 165°   | 693.6 | 691.5 | 691.5 | 688.4 | 688.4 | 687.4 | 692.5 | 695.6 | 693.6 | 697.7 | 693.6 |
| 167.5° | 702.8 | 699.7 | 701.7 | 703.8 | 700.7 | 693.6 | 699.7 | 703.8 | 703.8 | 709.9 | 703.8 |
| 170°   | 711.0 | 707.9 | 707.9 | 708.9 | 706.9 | 701.7 | 704.8 | 709.9 | 712.0 | 717.1 | 712.0 |
| 172.5° | 713.0 | 711.0 | 708.9 | 705.8 | 705.8 | 704.8 | 707.9 | 709.9 | 712.0 | 717.1 | 712.0 |
| 175°   | 714.0 | 713.0 | 711.0 | 706.9 | 705.8 | 705.8 | 711.0 | 712.0 | 709.9 | 715.0 | 709.9 |
| 177.5° | 721.2 | 716.1 | 715.0 | 713.0 | 711.0 | 709.9 | 715.0 | 717.1 | 714.0 | 718.1 | 714.0 |
| 180°   | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |



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**CANDELA DISTRIBUTION (continued):**

|        | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 |
| 2.5°   | 1029.2 | 1058.7 | 1070.9 | 1112.0 | 1129.9 | 1167.1 | 1199.2 | 1226.8 | 1240.2 | 1251.1 |
| 5°     | 798.4  | 826.6  | 856.7  | 917.7  | 970.2  | 1026.7 | 1097.2 | 1170.3 | 1191.5 | 1214.6 |
| 7.5°   | 557.3  | 599.0  | 649.6  | 704.1  | 779.1  | 864.4  | 965.8  | 1056.2 | 1101.7 | 1113.3 |
| 10°    | 432.9  | 482.2  | 536.1  | 590.0  | 652.2  | 743.2  | 845.2  | 961.9  | 1010.6 | 1030.5 |
| 12.5°  | 325.1  | 391.2  | 455.3  | 518.8  | 572.7  | 651.5  | 762.5  | 901.6  | 955.5  | 981.1  |
| 15°    | 195.6  | 270.0  | 348.9  | 434.1  | 509.2  | 601.5  | 726.6  | 888.8  | 956.8  | 985.6  |
| 17.5°  | 97.5   | 133.4  | 205.8  | 334.1  | 445.0  | 559.8  | 725.9  | 935.0  | 1019.0 | 1056.2 |
| 20°    | 72.5   | 82.1   | 109.7  | 208.4  | 370.0  | 525.2  | 733.6  | 1013.9 | 1137.6 | 1169.0 |
| 22.5°  | 62.2   | 69.3   | 78.9   | 121.8  | 277.0  | 493.1  | 760.6  | 1118.4 | 1272.3 | 1314.0 |
| 25°    | 54.5   | 60.3   | 68.0   | 84.0   | 189.8  | 455.3  | 811.2  | 1265.9 | 1424.9 | 1482.0 |
| 27.5°  | 48.1   | 53.2   | 59.6   | 70.5   | 127.0  | 384.1  | 840.1  | 1389.6 | 1548.0 | 1595.5 |
| 30°    | 42.3   | 46.2   | 52.6   | 60.3   | 93.6   | 296.9  | 867.0  | 1498.7 | 1659.6 | 1696.8 |
| 32.5°  | 37.2   | 40.4   | 45.5   | 51.3   | 71.2   | 225.1  | 868.3  | 1592.3 | 1757.1 | 1792.4 |
| 35°    | 31.4   | 35.3   | 39.1   | 44.2   | 56.4   | 175.7  | 842.0  | 1685.3 | 1872.5 | 1915.5 |
| 37.5°  | 26.3   | 29.5   | 34.0   | 38.5   | 51.3   | 136.0  | 787.5  | 1794.3 | 2013.0 | 2061.7 |
| 40°    | 22.4   | 25.7   | 29.5   | 34.6   | 45.5   | 98.8   | 700.3  | 1893.0 | 2144.4 | 2189.3 |
| 42.5°  | 18.0   | 21.2   | 25.7   | 34.0   | 37.8   | 71.2   | 612.4  | 1988.0 | 2258.6 | 2300.3 |
| 45°    | 14.1   | 18.0   | 23.7   | 32.7   | 31.4   | 50.0   | 536.7  | 2072.0 | 2356.7 | 2412.5 |
| 47.5°  | 10.3   | 14.7   | 23.7   | 29.5   | 25.7   | 35.9   | 498.3  | 2152.8 | 2444.5 | 2482.4 |
| 50°    | 7.7    | 12.2   | 25.7   | 25.0   | 21.8   | 30.8   | 504.0  | 2242.5 | 2484.9 | 2509.3 |
| 52.5°  | 5.8    | 10.3   | 19.9   | 18.0   | 18.6   | 26.9   | 526.5  | 2361.2 | 2568.3 | 2585.6 |
| 55°    | 5.1    | 7.7    | 12.2   | 13.5   | 16.7   | 25.7   | 520.7  | 2473.4 | 2674.8 | 2704.9 |
| 57.5°  | 4.5    | 6.4    | 9.6    | 10.9   | 14.7   | 24.4   | 488.0  | 2522.8 | 2743.4 | 2785.1 |
| 58°    | 3.8    | 6.4    | 9.0    | 10.9   | 14.7   | 23.7   | 479.7  | 2509.3 | 2740.2 | 2792.8 |
| 60°    | 3.2    | 5.8    | 8.3    | 9.6    | 12.8   | 21.2   | 439.3  | 2395.2 | 2669.6 | 2743.4 |
| 62.5°  | 2.6    | 3.8    | 6.4    | 7.1    | 10.3   | 17.3   | 361.7  | 2210.5 | 2518.3 | 2609.3 |
| 65°    | 1.3    | 2.6    | 3.8    | 5.1    | 7.1    | 12.8   | 257.2  | 1991.8 | 2356.0 | 2445.2 |
| 67.5°  | 0.0    | 1.3    | 2.6    | 3.2    | 4.5    | 9.6    | 148.1  | 1690.4 | 2089.3 | 2159.8 |
| 70°    | 0.0    | 0.6    | 1.3    | 1.9    | 2.6    | 6.4    | 78.2   | 1240.9 | 1618.6 | 1745.5 |
| 72.5°  | 0.6    | 0.6    | 0.6    | 0.0    | 1.3    | 5.1    | 34.6   | 736.2  | 1103.6 | 1234.5 |
| 75°    | 0.6    | 0.6    | 0.0    | 0.0    | 0.0    | 2.6    | 14.7   | 388.0  | 632.9  | 695.1  |
| 77.5°  | 2.6    | 1.3    | 0.0    | 0.0    | 0.0    | 0.6    | 7.1    | 209.1  | 328.3  | 348.9  |
| 80°    | 0.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.6    | 69.9   | 196.9  | 201.4  |
| 82.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.3    | 84.6   | 80.8   |
| 85°    | 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    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 6.1    | 7.2    | 7.2    | 6.1    | 6.1    | 6.1    | 5.1    | 4.1    | 4.1    | 4.1    |
| 95°    | 7.2    | 8.2    | 7.2    | 7.2    | 7.2    | 7.2    | 6.1    | 5.1    | 5.1    | 5.1    |
| 97.5°  | 9.2    | 10.2   | 12.3   | 9.2    | 9.2    | 8.2    | 8.2    | 7.2    | 7.2    | 7.2    |
| 100°   | 23.5   | 26.6   | 29.7   | 21.5   | 12.3   | 10.2   | 9.2    | 8.2    | 8.2    | 8.2    |
| 102.5° | 43.0   | 48.1   | 51.1   | 40.9   | 27.6   | 18.4   | 13.3   | 11.3   | 11.3   | 11.3   |
| 105°   | 66.5   | 71.6   | 73.7   | 64.4   | 49.1   | 36.8   | 27.6   | 22.5   | 21.7   | 21.5   |
| 107.5° | 92.1   | 96.2   | 97.2   | 90.0   | 74.7   | 59.3   | 50.1   | 43.0   | 42.1   | 41.9   |



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**CANDELA DISTRIBUTION (continued):**

|        | 285°  | 295°  | 305°  | 315°  | 325°  | 335°  | 345°  | 355°  | 359°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 121.7 | 123.8 | 122.8 | 116.6 | 104.3 | 89.0  | 75.7  | 69.6  | 67.9  | 67.5  |
| 112.5° | 152.4 | 153.4 | 151.4 | 146.3 | 137.1 | 123.8 | 108.4 | 101.3 | 101.3 | 101.3 |
| 115°   | 183.1 | 186.2 | 183.1 | 178.0 | 171.9 | 162.6 | 150.4 | 142.2 | 143.0 | 143.2 |
| 117.5° | 214.8 | 219.9 | 215.8 | 209.7 | 206.6 | 201.5 | 193.3 | 188.2 | 188.2 | 188.2 |
| 120°   | 250.6 | 255.7 | 251.6 | 248.6 | 242.4 | 238.3 | 231.2 | 228.1 | 229.8 | 230.2 |
| 122.5° | 284.4 | 289.5 | 285.4 | 283.4 | 277.2 | 273.1 | 267.0 | 266.0 | 268.4 | 269.0 |
| 125°   | 317.1 | 322.2 | 320.2 | 317.1 | 312.0 | 305.9 | 302.8 | 300.7 | 304.0 | 304.8 |
| 127.5° | 353.9 | 353.9 | 352.9 | 347.8 | 346.8 | 340.6 | 336.6 | 336.6 | 337.4 | 337.6 |
| 130°   | 389.7 | 389.7 | 385.7 | 380.5 | 378.5 | 374.4 | 370.3 | 369.3 | 370.9 | 371.3 |
| 132.5° | 423.5 | 425.5 | 420.4 | 414.3 | 413.3 | 410.2 | 402.0 | 403.0 | 404.7 | 405.1 |
| 135°   | 457.3 | 458.3 | 453.2 | 447.0 | 445.0 | 441.9 | 435.8 | 435.8 | 438.2 | 438.8 |
| 137.5° | 486.9 | 485.9 | 483.9 | 478.7 | 474.6 | 470.6 | 469.5 | 467.5 | 470.0 | 470.6 |
| 140°   | 515.6 | 513.5 | 511.5 | 508.4 | 502.3 | 500.2 | 498.2 | 496.1 | 498.6 | 499.2 |
| 142.5° | 545.2 | 545.2 | 539.1 | 537.0 | 533.0 | 529.9 | 528.9 | 526.8 | 529.3 | 529.9 |
| 145°   | 573.9 | 574.9 | 568.8 | 563.6 | 562.6 | 559.6 | 556.5 | 558.5 | 561.8 | 562.6 |
| 147.5° | 599.4 | 598.4 | 593.3 | 588.2 | 587.2 | 587.2 | 584.1 | 585.1 | 587.6 | 588.2 |
| 150°   | 616.8 | 613.8 | 610.7 | 606.6 | 606.6 | 606.6 | 606.6 | 605.6 | 608.1 | 608.7 |
| 152.5° | 632.2 | 628.1 | 625.0 | 624.0 | 624.0 | 623.0 | 622.0 | 622.0 | 624.4 | 625.0 |
| 155°   | 650.6 | 645.5 | 640.4 | 642.4 | 644.5 | 641.4 | 639.3 | 639.3 | 642.6 | 643.4 |
| 157.5° | 664.9 | 662.9 | 658.8 | 659.8 | 660.8 | 658.8 | 657.8 | 657.8 | 660.2 | 660.8 |
| 160°   | 676.2 | 679.2 | 673.1 | 670.0 | 670.0 | 671.1 | 674.1 | 675.1 | 677.6 | 678.2 |
| 162.5° | 685.4 | 686.4 | 682.3 | 678.2 | 676.2 | 680.3 | 684.4 | 684.4 | 687.6 | 688.4 |
| 165°   | 695.6 | 692.5 | 687.4 | 688.4 | 688.4 | 691.5 | 691.5 | 693.6 | 696.0 | 696.6 |
| 167.5° | 703.8 | 699.7 | 693.6 | 700.7 | 703.8 | 701.7 | 699.7 | 702.8 | 705.2 | 705.8 |
| 170°   | 709.9 | 704.8 | 701.7 | 706.9 | 708.9 | 707.9 | 707.9 | 711.0 | 713.4 | 714.0 |
| 172.5° | 709.9 | 707.9 | 704.8 | 705.8 | 705.8 | 708.9 | 711.0 | 713.0 | 714.6 | 715.0 |
| 175°   | 712.0 | 711.0 | 705.8 | 705.8 | 706.9 | 711.0 | 713.0 | 714.0 | 715.7 | 716.1 |
| 177.5° | 717.1 | 715.0 | 709.9 | 711.0 | 713.0 | 715.0 | 716.1 | 721.2 | 722.8 | 723.2 |
| 180°   | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |

(END OF REPORT)