

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P998854

Luminaire Tested: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P998854  
REPORT IS A COMBINATION OF REPORTS P984600 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4  
Description: Define 2 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

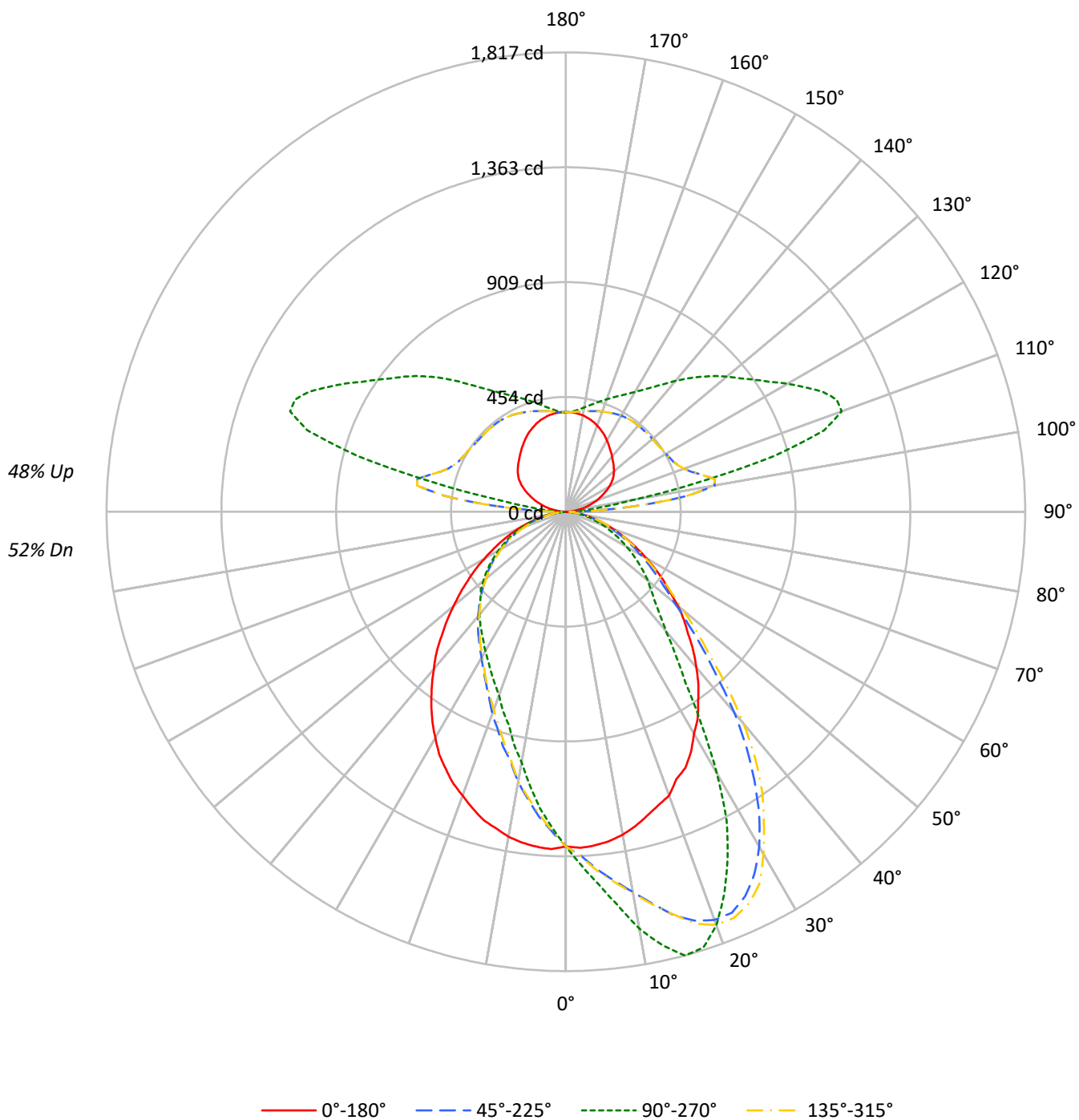
Lumens per Lamp: N/A  
Luminaire Lumens: 5663.0 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 57  
Input Voltage (V):  
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

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

### Luminous Intensity Polar Plot



TEST NUMBER: P998854

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 108 | 108 | 108 | 108 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 | 52 | 52 | 52 |
| 1   | 99  | 94  | 91  | 87  | 91 | 88 | 84 | 81 | 75 | 72 | 70 | 63 | 61 | 60 | 52 | 51 | 50 | 44 | 44 | 44 |
| 2   | 90  | 83  | 77  | 72  | 83 | 77 | 72 | 68 | 66 | 62 | 59 | 56 | 53 | 51 | 46 | 44 | 43 | 38 | 38 | 38 |
| 3   | 83  | 73  | 66  | 61  | 76 | 68 | 62 | 57 | 59 | 54 | 50 | 50 | 46 | 43 | 41 | 39 | 37 | 33 | 33 | 33 |
| 4   | 76  | 65  | 58  | 52  | 70 | 61 | 54 | 49 | 52 | 47 | 43 | 45 | 41 | 38 | 37 | 34 | 32 | 29 | 29 | 29 |
| 5   | 70  | 59  | 51  | 45  | 64 | 55 | 48 | 42 | 47 | 42 | 38 | 40 | 36 | 33 | 34 | 31 | 28 | 25 | 25 | 25 |
| 6   | 64  | 53  | 45  | 39  | 60 | 49 | 42 | 37 | 43 | 37 | 33 | 37 | 32 | 29 | 31 | 28 | 25 | 22 | 22 | 22 |
| 7   | 60  | 48  | 40  | 35  | 55 | 45 | 38 | 33 | 39 | 33 | 29 | 33 | 29 | 26 | 28 | 25 | 23 | 20 | 20 | 20 |
| 8   | 56  | 43  | 36  | 31  | 51 | 41 | 34 | 29 | 36 | 30 | 26 | 31 | 26 | 23 | 26 | 23 | 20 | 18 | 18 | 18 |
| 9   | 52  | 40  | 32  | 28  | 48 | 37 | 31 | 26 | 33 | 27 | 24 | 28 | 24 | 21 | 24 | 21 | 19 | 16 | 16 | 16 |
| 10  | 48  | 37  | 30  | 25  | 45 | 34 | 28 | 24 | 30 | 25 | 21 | 26 | 22 | 19 | 23 | 19 | 17 | 15 | 15 | 15 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 20950 | 20950 | 20950 | 20950 |
| 5°  | 21000 | 22337 | 21081 | 17772 |
| 10° | 20756 | 24384 | 20887 | 14652 |
| 15° | 20252 | 25721 | 20534 | 12342 |
| 20° | 19937 | 24150 | 19937 | 10726 |
| 25° | 19302 | 20747 | 19390 | 9593  |
| 30° | 18256 | 16309 | 18604 | 8689  |
| 35° | 17330 | 11278 | 17620 | 7951  |
| 40° | 16266 | 8515  | 16450 | 7360  |
| 45° | 14952 | 6997  | 15196 | 6725  |
| 50° | 13817 | 6141  | 13841 | 6156  |
| 55° | 12524 | 5233  | 12604 | 5539  |
| 60° | 11143 | 4370  | 11297 | 4833  |
| 65° | 9908  | 3554  | 10089 | 4127  |
| 70° | 8679  | 2790  | 8900  | 3329  |
| 75° | 7283  | 2025  | 7569  | 2414  |
| 80° | 5684  | 1282  | 6092  | 1434  |
| 85° | 3729  | 647   | 4026  | 477   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 21656 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 126.1  | 2.2       |
| 10°-20°   | 366.9  | 6.5       |
| 20°-30°   | 532.5  | 9.4       |
| 30°-40°   | 561.3  | 9.9       |
| 40°-50°   | 496.7  | 8.8       |
| 50°-60°   | 396.6  | 7.0       |
| 60°-70°   | 269.4  | 4.8       |
| 70°-80°   | 137.8  | 2.4       |
| 80°-90°   | 35.1   | 0.6       |
| 90°-100°  | 153.4  | 2.7       |
| 100°-110° | 540.2  | 9.5       |
| 110°-120° | 567.4  | 10.0      |
| 120°-130° | 466.8  | 8.2       |
| 130°-140° | 375.0  | 6.6       |
| 140°-150° | 283.2  | 5.0       |
| 150°-160° | 199.1  | 3.5       |
| 160°-170° | 117.2  | 2.1       |
| 170°-180° | 38.1   | 0.7       |
| 0°-30°    | 1025.5 | 18.1      |
| 0°-40°    | 1586.8 | 28.0      |
| 0°-60°    | 2480.2 | 43.8      |
| 0°-90°    | 2922.5 | 51.6      |
| 90°-120°  | 1261.0 | 22.3      |
| 90°-150°  | 2386.0 | 42.1      |
| 90°-180°  | 2740.0 | 48.4      |
| 0°-180°   | 5663.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1324 | 1324 | 1324 | 1324 | 1324 |      |
| 5°   | 1324 | 1478 | 1330 | 1176 | 1324 | 126  |
| 15°  | 1244 | 1817 | 1261 | 872  | 1244 | 351  |
| 25°  | 1118 | 1514 | 1123 | 700  | 1118 | 511  |
| 35°  | 912  | 824  | 928  | 581  | 912  | 571  |
| 45°  | 685  | 496  | 696  | 477  | 685  | 531  |
| 55°  | 470  | 349  | 473  | 369  | 470  | 419  |
| 65°  | 279  | 215  | 284  | 249  | 279  | 277  |
| 75°  | 130  | 106  | 135  | 126  | 130  | 140  |
| 85°  | 26   | 28   | 28   | 20   | 26   | 31   |
| 90°  | 1    | 25   | 1    | 25   | 1    | 3    |
| 95°  | 26   | 86   | 26   | 86   | 26   | 27   |
| 105° | 92   | 853  | 92   | 853  | 92   | 98   |
| 115° | 163  | 1122 | 163  | 1122 | 163  | 161  |
| 125° | 227  | 910  | 227  | 910  | 227  | 202  |
| 135° | 266  | 754  | 266  | 754  | 266  | 206  |
| 145° | 304  | 602  | 304  | 602  | 304  | 191  |
| 155° | 346  | 506  | 346  | 506  | 346  | 159  |
| 165° | 377  | 444  | 377  | 444  | 377  | 106  |
| 175° | 393  | 400  | 393  | 400  | 393  | 37   |
| 180° | 394  | 394  | 394  | 394  | 394  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 |
| 2.5°   | 1330.6 | 1333.7 | 1338.7 | 1339.8 | 1349.9 | 1358.1 | 1367.2 | 1367.2 | 1370.3 | 1369.3 | 1361.1 |
| 5°     | 1324.5 | 1333.7 | 1346.9 | 1358.1 | 1376.4 | 1384.5 | 1396.7 | 1405.9 | 1414.0 | 1420.1 | 1419.1 |
| 7.5°   | 1314.3 | 1330.6 | 1349.9 | 1371.3 | 1395.7 | 1409.9 | 1427.2 | 1443.5 | 1454.7 | 1464.9 | 1472.0 |
| 10°    | 1297.0 | 1324.5 | 1350.9 | 1379.4 | 1411.0 | 1430.3 | 1450.6 | 1472.0 | 1489.3 | 1508.6 | 1526.9 |
| 12.5°  | 1273.6 | 1313.3 | 1345.9 | 1383.5 | 1422.2 | 1443.5 | 1476.1 | 1492.3 | 1525.9 | 1574.7 | 1588.0 |
| 15°    | 1244.1 | 1298.0 | 1328.6 | 1376.4 | 1427.2 | 1444.5 | 1489.3 | 1515.7 | 1584.9 | 1615.4 | 1652.1 |
| 17.5°  | 1216.7 | 1276.7 | 1317.4 | 1372.3 | 1422.2 | 1455.7 | 1499.5 | 1553.4 | 1611.4 | 1655.1 | 1695.8 |
| 20°    | 1194.3 | 1252.3 | 1301.1 | 1362.1 | 1425.2 | 1467.9 | 1513.7 | 1578.8 | 1641.9 | 1686.6 | 1718.2 |
| 22.5°  | 1143.4 | 1217.7 | 1274.7 | 1342.8 | 1419.1 | 1478.1 | 1521.8 | 1593.1 | 1661.2 | 1688.7 | 1716.1 |
| 25°    | 1118.0 | 1182.1 | 1248.2 | 1325.5 | 1415.0 | 1485.2 | 1522.9 | 1602.2 | 1662.2 | 1672.4 | 1678.5 |
| 27.5°  | 1071.2 | 1143.4 | 1220.7 | 1309.2 | 1414.0 | 1473.0 | 1520.8 | 1593.1 | 1640.9 | 1633.8 | 1615.4 |
| 30°    | 1013.2 | 1101.7 | 1187.2 | 1282.8 | 1399.8 | 1463.9 | 1508.6 | 1574.7 | 1599.2 | 1562.5 | 1530.0 |
| 32.5°  | 970.5  | 1053.9 | 1148.5 | 1259.4 | 1383.5 | 1444.5 | 1488.3 | 1540.2 | 1545.2 | 1479.1 | 1424.2 |
| 35°    | 912.5  | 1005.1 | 1111.9 | 1228.9 | 1356.0 | 1411.0 | 1451.7 | 1483.2 | 1458.8 | 1366.2 | 1301.1 |
| 37.5°  | 860.6  | 952.2  | 1066.1 | 1185.1 | 1318.4 | 1372.3 | 1404.9 | 1409.9 | 1349.9 | 1268.5 | 1172.9 |
| 40°    | 803.7  | 898.3  | 1017.3 | 1142.4 | 1276.7 | 1323.5 | 1343.8 | 1328.6 | 1242.1 | 1147.5 | 1036.6 |
| 42.5°  | 746.7  | 840.3  | 968.4  | 1096.6 | 1223.8 | 1263.5 | 1271.6 | 1229.9 | 1124.1 | 1013.2 | 885.0  |
| 45°    | 684.6  | 782.3  | 910.5  | 1039.7 | 1162.7 | 1185.1 | 1186.1 | 1126.1 | 1001.0 | 885.0  | 766.0  |
| 47.5°  | 633.8  | 724.3  | 851.5  | 980.7  | 1084.4 | 1099.7 | 1093.6 | 1024.4 | 888.1  | 757.9  | 654.1  |
| 50°    | 577.8  | 664.3  | 790.4  | 917.6  | 1006.1 | 1010.2 | 994.9  | 896.2  | 763.0  | 643.9  | 561.5  |
| 52.5°  | 517.8  | 605.3  | 721.3  | 843.3  | 922.7  | 916.6  | 887.1  | 781.3  | 656.1  | 557.5  | 494.4  |
| 55°    | 470.0  | 547.3  | 656.1  | 775.2  | 831.1  | 813.8  | 781.3  | 673.4  | 574.8  | 491.3  | 436.4  |
| 57.5°  | 417.1  | 485.2  | 592.1  | 695.8  | 728.4  | 712.1  | 679.5  | 578.8  | 487.3  | 424.2  | 387.6  |
| 60°    | 367.2  | 429.3  | 522.9  | 609.4  | 634.8  | 617.5  | 579.8  | 489.3  | 423.2  | 370.3  | 342.8  |
| 62.5°  | 321.5  | 375.4  | 453.7  | 533.1  | 543.2  | 525.9  | 493.4  | 420.1  | 363.2  | 321.5  | 301.1  |
| 65°    | 278.7  | 329.6  | 392.7  | 452.7  | 461.8  | 443.5  | 410.0  | 357.1  | 309.3  | 282.8  | 263.5  |
| 67.5°  | 237.0  | 277.7  | 333.7  | 377.4  | 382.5  | 365.2  | 337.7  | 295.0  | 265.5  | 237.0  | 222.8  |
| 70°    | 200.4  | 230.9  | 274.7  | 310.3  | 312.3  | 296.0  | 281.8  | 243.1  | 220.7  | 200.4  | 189.2  |
| 72.5°  | 164.8  | 186.2  | 219.7  | 246.2  | 247.2  | 237.0  | 223.8  | 199.4  | 180.1  | 165.8  | 154.6  |
| 75°    | 130.2  | 148.5  | 168.9  | 192.3  | 191.2  | 183.1  | 172.9  | 157.7  | 141.4  | 132.2  | 127.2  |
| 77.5°  | 99.7   | 110.9  | 127.2  | 142.4  | 142.4  | 138.3  | 132.2  | 121.1  | 110.9  | 101.7  | 96.6   |
| 80°    | 71.2   | 78.3   | 91.6   | 96.6   | 98.7   | 97.7   | 92.6   | 84.4   | 80.4   | 73.2   | 71.2   |
| 82.5°  | 45.8   | 50.9   | 57.0   | 62.1   | 65.1   | 63.1   | 62.1   | 58.0   | 51.9   | 49.8   | 47.8   |
| 85°    | 26.4   | 28.5   | 31.5   | 34.6   | 35.6   | 34.6   | 36.6   | 33.6   | 30.5   | 30.5   | 29.5   |
| 87.5°  | 11.2   | 12.2   | 14.2   | 14.2   | 15.3   | 15.3   | 14.2   | 15.3   | 15.3   | 14.2   | 13.2   |
| 90°    | 0.8    | 3.0    | 6.1    | 7.6    | 9.1    | 10.2   | 11.4   | 15.1   | 20.4   | 25.0   | 25.7   |
| 92.5°  | 11.4   | 15.9   | 21.9   | 25.7   | 31.8   | 36.0   | 40.1   | 60.5   | 89.3   | 115.0  | 116.5  |
| 95°    | 26.5   | 29.5   | 37.1   | 43.9   | 56.0   | 65.1   | 74.2   | 109.0  | 174.8  | 262.6  | 296.7  |
| 97.5°  | 39.4   | 43.9   | 52.2   | 62.1   | 75.7   | 85.9   | 96.1   | 140.8  | 232.3  | 373.8  | 483.6  |
| 100°   | 58.3   | 60.5   | 67.4   | 79.5   | 94.6   | 105.2  | 115.8  | 155.9  | 248.2  | 411.7  | 597.8  |
| 102.5° | 75.7   | 77.2   | 84.0   | 96.1   | 112.0  | 122.6  | 133.2  | 169.5  | 249.0  | 397.3  | 601.6  |
| 105°   | 92.3   | 95.4   | 100.6  | 112.0  | 128.7  | 139.2  | 149.8  | 185.4  | 252.8  | 377.6  | 560.8  |
| 107.5° | 110.5  | 112.8  | 118.1  | 128.7  | 145.3  | 155.9  | 166.5  | 201.3  | 261.1  | 367.0  | 522.9  |
| 110°   | 128.7  | 131.7  | 136.2  | 146.1  | 161.9  | 172.9  | 183.9  | 217.2  | 271.7  | 364.0  | 497.2  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 145.3 | 148.3 | 153.6 | 162.7 | 177.8 | 189.2 | 200.5 | 232.3 | 283.0 | 364.8 | 480.5 |
| 115°   | 162.7 | 166.5 | 171.0 | 180.1 | 195.2 | 205.4 | 215.7 | 248.2 | 294.4 | 367.8 | 469.2 |
| 117.5° | 180.9 | 183.9 | 188.4 | 196.8 | 211.1 | 221.7 | 232.3 | 262.6 | 306.5 | 372.3 | 463.1 |
| 120°   | 197.5 | 200.5 | 205.1 | 211.9 | 227.0 | 237.6 | 248.2 | 277.7 | 318.6 | 376.9 | 457.8 |
| 122.5° | 213.4 | 215.7 | 220.2 | 227.8 | 242.9 | 253.9 | 264.9 | 292.1 | 329.2 | 382.2 | 454.8 |
| 125°   | 227.0 | 229.3 | 233.8 | 242.9 | 258.1 | 268.6 | 279.2 | 306.5 | 340.5 | 387.5 | 451.0 |
| 127.5° | 238.4 | 241.4 | 247.5 | 257.3 | 271.7 | 282.6 | 293.6 | 320.1 | 351.1 | 392.8 | 448.8 |
| 130°   | 248.2 | 251.2 | 258.8 | 269.4 | 284.5 | 295.1 | 305.7 | 332.2 | 361.0 | 398.8 | 447.2 |
| 132.5° | 257.3 | 261.1 | 269.4 | 280.8 | 296.7 | 307.2 | 317.8 | 342.8 | 370.8 | 404.9 | 446.5 |
| 135°   | 266.4 | 269.4 | 278.5 | 289.8 | 307.2 | 317.8 | 328.4 | 352.7 | 379.1 | 409.4 | 445.7 |
| 137.5° | 274.7 | 278.5 | 287.6 | 299.7 | 317.1 | 327.0 | 336.8 | 361.0 | 386.0 | 414.0 | 445.7 |
| 140°   | 284.5 | 287.6 | 296.7 | 308.8 | 325.4 | 335.2 | 345.1 | 367.8 | 391.2 | 417.0 | 445.0 |
| 142.5° | 294.4 | 296.7 | 305.0 | 317.1 | 333.0 | 342.0 | 351.1 | 373.1 | 395.8 | 419.2 | 445.0 |
| 145°   | 304.2 | 307.2 | 314.8 | 326.2 | 341.3 | 349.6 | 358.0 | 378.4 | 399.6 | 420.8 | 443.5 |
| 147.5° | 314.8 | 317.1 | 324.7 | 335.2 | 348.1 | 355.6 | 363.2 | 382.9 | 401.8 | 421.5 | 441.2 |
| 150°   | 325.4 | 327.7 | 333.7 | 343.6 | 354.9 | 361.7 | 368.5 | 386.0 | 403.4 | 420.8 | 438.9 |
| 152.5° | 336.0 | 336.8 | 342.8 | 351.1 | 361.7 | 367.8 | 373.8 | 389.0 | 404.1 | 419.2 | 435.1 |
| 155°   | 345.8 | 346.6 | 351.1 | 359.5 | 367.8 | 373.5 | 379.1 | 392.0 | 404.9 | 417.7 | 430.6 |
| 157.5° | 354.2 | 354.9 | 358.7 | 366.3 | 373.1 | 378.0 | 382.9 | 394.3 | 404.9 | 414.7 | 426.1 |
| 160°   | 362.5 | 363.2 | 366.3 | 372.3 | 378.4 | 382.5 | 386.7 | 395.8 | 404.9 | 412.4 | 421.5 |
| 162.5° | 370.8 | 370.1 | 373.1 | 377.6 | 382.9 | 386.0 | 389.0 | 396.5 | 404.1 | 410.2 | 417.7 |
| 165°   | 376.9 | 376.1 | 377.6 | 382.2 | 386.0 | 388.2 | 390.5 | 397.3 | 402.6 | 407.1 | 412.4 |
| 167.5° | 382.2 | 381.4 | 382.9 | 386.0 | 389.0 | 390.5 | 392.0 | 397.3 | 401.8 | 404.1 | 407.9 |
| 170°   | 387.5 | 386.0 | 386.7 | 389.0 | 390.5 | 391.6 | 392.8 | 396.5 | 400.3 | 401.8 | 404.1 |
| 172.5° | 390.5 | 389.7 | 389.0 | 391.2 | 392.0 | 392.8 | 393.5 | 395.8 | 398.1 | 398.8 | 399.6 |
| 175°   | 392.8 | 392.0 | 391.2 | 392.8 | 392.8 | 393.2 | 393.5 | 395.0 | 396.5 | 395.8 | 396.5 |
| 177.5° | 394.3 | 392.8 | 392.0 | 393.5 | 393.5 | 393.5 | 393.5 | 394.3 | 395.8 | 394.3 | 393.5 |
| 180°   | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 |
| 2.5°   | 1375.4 | 1376.4 | 1378.4 | 1388.6 | 1393.7 | 1394.7 | 1390.6 | 1399.8 | 1402.8 | 1399.8 | 1397.7 |
| 5°     | 1440.5 | 1446.6 | 1458.8 | 1472.0 | 1471.0 | 1472.0 | 1478.1 | 1484.2 | 1486.2 | 1478.1 | 1481.2 |
| 7.5°   | 1497.4 | 1509.6 | 1522.9 | 1543.2 | 1543.2 | 1553.4 | 1557.5 | 1562.5 | 1574.7 | 1568.6 | 1566.6 |
| 10°    | 1562.5 | 1578.8 | 1603.2 | 1635.8 | 1636.8 | 1647.0 | 1657.1 | 1673.4 | 1678.5 | 1674.4 | 1676.5 |
| 12.5°  | 1643.9 | 1675.5 | 1677.5 | 1713.1 | 1729.4 | 1731.4 | 1747.7 | 1744.6 | 1754.8 | 1754.8 | 1772.1 |
| 15°    | 1679.5 | 1728.4 | 1755.8 | 1790.4 | 1800.6 | 1788.4 | 1801.6 | 1815.8 | 1816.9 | 1816.9 | 1815.8 |
| 17.5°  | 1743.6 | 1762.9 | 1790.4 | 1808.7 | 1812.8 | 1812.8 | 1813.8 | 1819.9 | 1815.8 | 1807.7 | 1813.8 |
| 20°    | 1756.8 | 1765.0 | 1775.2 | 1773.1 | 1775.2 | 1765.0 | 1754.8 | 1744.6 | 1745.7 | 1740.6 | 1755.8 |
| 22.5°  | 1732.4 | 1730.4 | 1707.0 | 1691.7 | 1691.7 | 1671.4 | 1652.1 | 1642.9 | 1633.8 | 1636.8 | 1641.9 |
| 25°    | 1671.4 | 1639.9 | 1611.4 | 1589.0 | 1583.9 | 1551.4 | 1524.9 | 1516.8 | 1501.5 | 1513.7 | 1515.7 |
| 27.5°  | 1573.7 | 1538.1 | 1492.3 | 1473.0 | 1446.6 | 1433.3 | 1415.0 | 1390.6 | 1359.1 | 1377.4 | 1374.3 |
| 30°    | 1469.0 | 1416.1 | 1378.4 | 1331.6 | 1289.9 | 1286.9 | 1252.3 | 1211.6 | 1195.3 | 1195.3 | 1204.5 |
| 32.5°  | 1352.0 | 1281.8 | 1226.8 | 1160.7 | 1120.0 | 1102.7 | 1061.0 | 1020.3 | 1029.5 | 999.0  | 1010.2 |
| 35°    | 1215.6 | 1123.1 | 1053.9 | 989.8  | 959.3  | 938.9  | 885.0  | 862.7  | 838.2  | 824.0  | 850.4  |
| 37.5°  | 1085.4 | 978.6  | 890.1  | 819.9  | 808.7  | 772.1  | 735.5  | 721.3  | 707.0  | 713.1  | 712.1  |
| 40°    | 926.7  | 832.1  | 752.8  | 697.9  | 678.5  | 661.2  | 636.8  | 619.5  | 610.4  | 615.5  | 616.5  |
| 42.5°  | 783.3  | 704.0  | 645.0  | 606.3  | 590.0  | 577.8  | 565.6  | 551.4  | 548.3  | 548.3  | 552.4  |
| 45°    | 672.4  | 607.3  | 567.6  | 536.1  | 527.0  | 517.8  | 508.6  | 502.5  | 500.5  | 496.4  | 499.5  |
| 47.5°  | 583.9  | 532.0  | 507.6  | 484.2  | 474.1  | 472.0  | 463.9  | 460.8  | 456.8  | 455.7  | 456.8  |
| 50°    | 509.7  | 477.1  | 454.7  | 441.5  | 434.4  | 431.3  | 427.3  | 421.2  | 419.1  | 424.2  | 422.2  |
| 52.5°  | 457.8  | 427.3  | 415.0  | 401.8  | 397.8  | 393.7  | 387.6  | 388.6  | 387.6  | 385.5  | 385.5  |
| 55°    | 405.9  | 386.6  | 374.4  | 364.2  | 363.2  | 359.1  | 354.0  | 352.0  | 351.0  | 348.9  | 352.0  |
| 57.5°  | 364.2  | 348.9  | 337.7  | 328.6  | 324.5  | 324.5  | 319.4  | 315.4  | 315.4  | 314.3  | 315.4  |
| 60°    | 322.5  | 307.2  | 300.1  | 290.9  | 287.9  | 286.9  | 283.8  | 281.8  | 278.7  | 278.7  | 278.7  |
| 62.5°  | 283.8  | 271.6  | 263.5  | 255.3  | 256.4  | 251.3  | 247.2  | 245.2  | 245.2  | 246.2  | 246.2  |
| 65°    | 247.2  | 239.1  | 228.9  | 221.8  | 219.7  | 218.7  | 216.7  | 215.7  | 212.6  | 214.6  | 214.6  |
| 67.5°  | 213.6  | 202.4  | 196.3  | 193.3  | 190.2  | 189.2  | 187.2  | 185.1  | 184.1  | 183.1  | 185.1  |
| 70°    | 180.1  | 170.9  | 165.8  | 163.8  | 160.7  | 159.7  | 158.7  | 155.6  | 156.7  | 157.7  | 158.7  |
| 72.5°  | 149.5  | 141.4  | 140.4  | 134.3  | 134.3  | 134.3  | 130.2  | 132.2  | 131.2  | 129.2  | 131.2  |
| 75°    | 118.0  | 113.9  | 111.9  | 108.8  | 109.9  | 108.8  | 107.8  | 104.8  | 104.8  | 105.8  | 106.8  |
| 77.5°  | 93.6   | 89.5   | 88.5   | 85.5   | 83.4   | 85.5   | 83.4   | 82.4   | 82.4   | 83.4   | 83.4   |
| 80°    | 69.2   | 67.1   | 64.1   | 64.1   | 64.1   | 63.1   | 63.1   | 63.1   | 62.1   | 61.0   | 62.1   |
| 82.5°  | 45.8   | 45.8   | 44.8   | 43.7   | 44.8   | 42.7   | 43.7   | 43.7   | 43.7   | 43.7   | 43.7   |
| 85°    | 29.5   | 28.5   | 28.5   | 27.5   | 27.5   | 27.5   | 28.5   | 26.4   | 26.4   | 27.5   | 27.5   |
| 87.5°  | 13.2   | 13.2   | 13.2   | 14.2   | 13.2   | 13.2   | 13.2   | 14.2   | 13.2   | 13.2   | 13.2   |
| 90°    | 25.0   | 24.2   | 22.7   | 24.2   | 24.6   | 25.0   | 25.0   | 25.0   | 25.0   | 25.0   | 25.0   |
| 92.5°  | 97.6   | 76.4   | 65.1   | 56.8   | 53.8   | 50.7   | 49.9   | 46.9   | 47.7   | 46.2   | 47.7   |
| 95°    | 259.6  | 198.3  | 152.1  | 120.3  | 112.0  | 103.7  | 93.8   | 87.8   | 85.5   | 86.3   | 85.5   |
| 97.5°  | 487.4  | 405.6  | 323.9  | 247.5  | 224.8  | 202.1  | 172.5  | 157.4  | 149.1  | 144.5  | 149.1  |
| 100°   | 706.8  | 690.9  | 597.1  | 493.4  | 447.6  | 401.8  | 339.0  | 306.5  | 284.5  | 270.9  | 284.5  |
| 102.5° | 788.5  | 877.8  | 874.8  | 806.0  | 756.8  | 707.6  | 638.0  | 576.7  | 547.9  | 528.2  | 547.9  |
| 105°   | 762.1  | 919.5  | 1005.0 | 1014.8 | 1002.3 | 989.8  | 942.9  | 896.0  | 863.5  | 852.9  | 863.5  |
| 107.5° | 706.1  | 874.8  | 1002.0 | 1076.1 | 1091.2 | 1106.4 | 1105.6 | 1098.8 | 1089.0 | 1071.6 | 1089.0 |
| 110°   | 653.8  | 813.5  | 949.0  | 1045.9 | 1076.9 | 1107.9 | 1140.4 | 1154.8 | 1161.6 | 1160.9 | 1161.6 |



TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 617.5 | 757.5 | 886.2 | 991.4 | 1028.1 | 1064.8 | 1113.2 | 1139.7 | 1154.1 | 1159.4 | 1154.1 |
| 115°   | 588.8 | 713.6 | 830.2 | 929.3 | 968.3  | 1007.3 | 1061.0 | 1095.8 | 1115.5 | 1122.3 | 1115.5 |
| 117.5° | 569.1 | 677.3 | 781.7 | 874.1 | 911.2  | 948.2  | 1003.5 | 1040.6 | 1061.0 | 1066.3 | 1061.0 |
| 120°   | 554.0 | 651.6 | 745.4 | 825.6 | 860.0  | 894.5  | 947.5  | 983.0  | 1005.0 | 1012.6 | 1005.0 |
| 122.5° | 541.1 | 631.1 | 715.1 | 790.1 | 820.4  | 850.6  | 896.8  | 931.6  | 950.5  | 956.6  | 950.5  |
| 125°   | 529.0 | 611.5 | 689.4 | 756.0 | 784.4  | 812.8  | 856.7  | 885.4  | 904.3  | 910.4  | 904.3  |
| 127.5° | 517.6 | 591.8 | 663.7 | 727.3 | 753.8  | 780.2  | 818.8  | 846.1  | 862.7  | 867.3  | 862.7  |
| 130°   | 506.3 | 572.9 | 638.0 | 697.7 | 722.7  | 747.7  | 784.8  | 810.5  | 825.6  | 831.7  | 825.6  |
| 132.5° | 497.2 | 554.7 | 613.7 | 667.5 | 690.6  | 713.6  | 750.0  | 775.7  | 789.3  | 794.6  | 789.3  |
| 135°   | 488.9 | 538.1 | 588.0 | 638.0 | 659.2  | 680.3  | 712.9  | 737.8  | 751.5  | 754.5  | 751.5  |
| 137.5° | 482.8 | 524.4 | 567.6 | 608.4 | 627.3  | 646.3  | 677.3  | 699.3  | 711.4  | 715.9  | 711.4  |
| 140°   | 477.5 | 511.6 | 547.9 | 582.7 | 599.4  | 616.0  | 640.2  | 659.9  | 671.3  | 675.8  | 671.3  |
| 142.5° | 472.2 | 501.0 | 530.5 | 559.2 | 572.4  | 585.7  | 608.4  | 625.8  | 635.7  | 635.7  | 635.7  |
| 145°   | 467.7 | 491.1 | 516.1 | 539.6 | 550.6  | 561.5  | 579.7  | 592.5  | 600.1  | 602.4  | 600.1  |
| 147.5° | 463.1 | 483.6 | 504.0 | 522.9 | 531.2  | 539.6  | 555.5  | 566.1  | 571.4  | 572.9  | 571.4  |
| 150°   | 457.1 | 475.2 | 491.9 | 507.8 | 514.6  | 521.4  | 532.8  | 541.8  | 546.4  | 547.1  | 546.4  |
| 152.5° | 451.8 | 466.9 | 482.1 | 494.9 | 500.6  | 506.3  | 514.6  | 522.2  | 525.2  | 525.2  | 525.2  |
| 155°   | 445.0 | 459.4 | 471.5 | 482.8 | 487.0  | 491.1  | 499.5  | 504.8  | 507.8  | 506.3  | 507.8  |
| 157.5° | 438.9 | 450.3 | 460.9 | 470.7 | 474.1  | 477.5  | 483.6  | 488.1  | 489.6  | 489.6  | 489.6  |
| 160°   | 432.1 | 442.0 | 450.3 | 458.6 | 461.2  | 463.9  | 469.2  | 473.0  | 473.7  | 473.7  | 473.7  |
| 162.5° | 426.1 | 433.6 | 440.4 | 447.2 | 449.1  | 451.0  | 456.3  | 458.6  | 459.4  | 458.6  | 459.4  |
| 165°   | 419.2 | 425.3 | 430.6 | 435.9 | 437.4  | 438.9  | 442.0  | 445.0  | 445.0  | 444.2  | 445.0  |
| 167.5° | 412.4 | 417.0 | 421.5 | 425.3 | 426.8  | 428.3  | 429.8  | 431.4  | 431.4  | 430.6  | 431.4  |
| 170°   | 407.1 | 410.9 | 413.2 | 416.2 | 417.0  | 417.7  | 418.5  | 420.8  | 420.0  | 418.5  | 420.0  |
| 172.5° | 401.8 | 404.1 | 405.6 | 407.9 | 408.3  | 408.7  | 409.4  | 410.2  | 409.4  | 408.7  | 409.4  |
| 175°   | 397.3 | 399.6 | 400.3 | 401.1 | 401.5  | 401.8  | 401.8  | 402.6  | 401.8  | 400.3  | 401.8  |
| 177.5° | 394.3 | 395.8 | 395.8 | 396.5 | 396.5  | 396.5  | 396.5  | 396.5  | 395.8  | 394.3  | 395.8  |
| 180°   | 393.5 | 393.5 | 393.5 | 393.5 | 393.5  | 393.5  | 393.5  | 393.5  | 393.5  | 393.5  | 393.5  |

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 |
| 2.5°   | 1402.8 | 1395.7 | 1389.6 | 1390.6 | 1395.7 | 1391.6 | 1381.5 | 1368.2 | 1363.2 | 1357.1 | 1363.2 |
| 5°     | 1487.3 | 1481.2 | 1469.0 | 1470.0 | 1466.9 | 1462.8 | 1446.6 | 1426.2 | 1426.2 | 1409.9 | 1407.9 |
| 7.5°   | 1570.7 | 1561.5 | 1553.4 | 1551.4 | 1540.2 | 1532.0 | 1517.8 | 1489.3 | 1478.1 | 1458.8 | 1447.6 |
| 10°    | 1664.3 | 1657.1 | 1648.0 | 1636.8 | 1630.7 | 1616.5 | 1593.1 | 1551.4 | 1531.0 | 1504.6 | 1485.2 |
| 12.5°  | 1758.9 | 1757.9 | 1737.5 | 1715.1 | 1714.1 | 1691.7 | 1675.5 | 1619.5 | 1592.0 | 1556.4 | 1510.7 |
| 15°    | 1818.9 | 1813.8 | 1802.6 | 1791.4 | 1794.5 | 1770.1 | 1733.4 | 1667.3 | 1649.0 | 1606.3 | 1557.5 |
| 17.5°  | 1817.9 | 1817.9 | 1814.8 | 1812.8 | 1809.7 | 1802.6 | 1782.3 | 1738.5 | 1709.0 | 1655.1 | 1609.3 |
| 20°    | 1759.9 | 1773.1 | 1776.2 | 1775.2 | 1785.3 | 1790.4 | 1789.4 | 1761.9 | 1738.5 | 1690.7 | 1643.9 |
| 22.5°  | 1643.9 | 1674.4 | 1687.7 | 1695.8 | 1717.2 | 1728.4 | 1754.8 | 1744.6 | 1738.5 | 1702.9 | 1663.3 |
| 25°    | 1536.1 | 1546.3 | 1585.9 | 1588.0 | 1617.5 | 1644.9 | 1671.4 | 1688.7 | 1711.1 | 1697.8 | 1664.3 |
| 27.5°  | 1396.7 | 1420.1 | 1448.6 | 1470.0 | 1476.1 | 1532.0 | 1575.8 | 1608.3 | 1659.2 | 1663.3 | 1652.1 |
| 30°    | 1239.0 | 1250.2 | 1297.0 | 1325.5 | 1358.1 | 1398.8 | 1461.8 | 1517.8 | 1563.6 | 1605.3 | 1619.5 |
| 32.5°  | 1046.8 | 1092.6 | 1120.0 | 1154.6 | 1183.1 | 1255.3 | 1332.6 | 1404.9 | 1457.8 | 1528.0 | 1558.5 |
| 35°    | 870.8  | 906.4  | 953.2  | 967.4  | 1019.3 | 1080.4 | 1181.1 | 1273.6 | 1354.0 | 1425.2 | 1487.3 |
| 37.5°  | 725.3  | 753.8  | 803.7  | 826.0  | 856.5  | 934.9  | 1019.3 | 1134.3 | 1230.9 | 1318.4 | 1395.7 |
| 40°    | 625.6  | 647.0  | 684.6  | 691.7  | 717.2  | 788.4  | 856.5  | 964.4  | 1092.6 | 1210.6 | 1295.0 |
| 42.5°  | 557.5  | 567.6  | 593.1  | 602.2  | 618.5  | 666.3  | 727.4  | 829.1  | 948.1  | 1070.2 | 1189.2 |
| 45°    | 508.6  | 515.8  | 531.0  | 539.2  | 559.5  | 580.9  | 630.7  | 712.1  | 805.7  | 928.8  | 1057.0 |
| 47.5°  | 464.9  | 474.1  | 480.2  | 485.2  | 496.4  | 519.8  | 552.4  | 612.4  | 701.9  | 814.8  | 938.9  |
| 50°    | 428.3  | 431.3  | 442.5  | 443.5  | 450.7  | 465.9  | 496.4  | 533.1  | 604.3  | 695.8  | 815.9  |
| 52.5°  | 391.7  | 394.7  | 401.8  | 408.9  | 412.0  | 424.2  | 444.6  | 475.1  | 528.0  | 600.2  | 707.0  |
| 55°    | 355.0  | 359.1  | 366.2  | 371.3  | 374.4  | 384.5  | 396.7  | 426.2  | 467.9  | 518.8  | 606.3  |
| 57.5°  | 318.4  | 327.6  | 329.6  | 332.7  | 337.7  | 348.9  | 360.1  | 377.4  | 410.0  | 456.8  | 520.8  |
| 60°    | 283.8  | 286.9  | 294.0  | 297.0  | 302.1  | 308.2  | 322.5  | 335.7  | 359.1  | 395.7  | 453.7  |
| 62.5°  | 248.2  | 255.3  | 258.4  | 261.4  | 265.5  | 272.6  | 281.8  | 296.0  | 316.4  | 345.9  | 391.7  |
| 65°    | 217.7  | 218.7  | 224.8  | 228.9  | 233.0  | 238.0  | 247.2  | 260.4  | 272.6  | 300.1  | 333.7  |
| 67.5°  | 188.2  | 190.2  | 192.3  | 196.3  | 201.4  | 206.5  | 214.6  | 221.8  | 237.0  | 255.3  | 281.8  |
| 70°    | 159.7  | 159.7  | 164.8  | 167.9  | 166.8  | 172.9  | 179.0  | 187.2  | 198.4  | 215.7  | 237.0  |
| 72.5°  | 134.3  | 133.3  | 137.3  | 138.3  | 140.4  | 144.5  | 148.5  | 156.7  | 162.8  | 176.0  | 192.3  |
| 75°    | 106.8  | 108.8  | 110.9  | 110.9  | 113.9  | 117.0  | 121.1  | 125.1  | 132.2  | 140.4  | 152.6  |
| 77.5°  | 84.4   | 84.4   | 86.5   | 87.5   | 90.5   | 89.5   | 93.6   | 97.7   | 102.7  | 109.9  | 119.0  |
| 80°    | 62.1   | 64.1   | 64.1   | 64.1   | 65.1   | 66.1   | 70.2   | 73.2   | 76.3   | 81.4   | 85.5   |
| 82.5°  | 43.7   | 43.7   | 45.8   | 45.8   | 45.8   | 47.8   | 47.8   | 48.8   | 50.9   | 53.9   | 57.0   |
| 85°    | 27.5   | 27.5   | 27.5   | 28.5   | 27.5   | 28.5   | 30.5   | 29.5   | 30.5   | 32.6   | 32.6   |
| 87.5°  | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   | 14.2   | 13.2   | 14.2   | 15.3   | 15.3   | 15.3   |
| 90°    | 25.0   | 25.0   | 25.0   | 24.6   | 24.2   | 22.7   | 24.2   | 25.0   | 25.7   | 25.0   | 20.4   |
| 92.5°  | 46.9   | 49.9   | 50.7   | 53.8   | 56.8   | 65.1   | 76.4   | 97.6   | 116.5  | 115.0  | 89.3   |
| 95°    | 87.8   | 93.8   | 103.7  | 112.0  | 120.3  | 152.1  | 198.3  | 259.6  | 296.7  | 262.6  | 174.8  |
| 97.5°  | 157.4  | 172.5  | 202.1  | 224.8  | 247.5  | 323.9  | 405.6  | 487.4  | 483.6  | 373.8  | 232.3  |
| 100°   | 306.5  | 339.0  | 401.8  | 447.6  | 493.4  | 597.1  | 690.9  | 706.8  | 597.8  | 411.7  | 248.2  |
| 102.5° | 576.7  | 638.0  | 707.6  | 756.8  | 806.0  | 874.8  | 877.8  | 788.5  | 601.6  | 397.3  | 249.0  |
| 105°   | 896.0  | 942.9  | 989.8  | 1002.3 | 1014.8 | 1005.0 | 919.5  | 762.1  | 560.8  | 377.6  | 252.8  |
| 107.5° | 1098.8 | 1105.6 | 1106.4 | 1091.2 | 1076.1 | 1002.0 | 874.8  | 706.1  | 522.9  | 367.0  | 261.1  |
| 110°   | 1154.8 | 1140.4 | 1107.9 | 1076.9 | 1045.9 | 949.0  | 813.5  | 653.8  | 497.2  | 364.0  | 271.7  |

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 100°   | 105°   | 110°   | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 1139.7 | 1113.2 | 1064.8 | 1028.1 | 991.4 | 886.2 | 757.5 | 617.5 | 480.5 | 364.8 | 283.0 |
| 115°   | 1095.8 | 1061.0 | 1007.3 | 968.3  | 929.3 | 830.2 | 713.6 | 588.8 | 469.2 | 367.8 | 294.4 |
| 117.5° | 1040.6 | 1003.5 | 948.2  | 911.2  | 874.1 | 781.7 | 677.3 | 569.1 | 463.1 | 372.3 | 306.5 |
| 120°   | 983.0  | 947.5  | 894.5  | 860.0  | 825.6 | 745.4 | 651.6 | 554.0 | 457.8 | 376.9 | 318.6 |
| 122.5° | 931.6  | 896.8  | 850.6  | 820.4  | 790.1 | 715.1 | 631.1 | 541.1 | 454.8 | 382.2 | 329.2 |
| 125°   | 885.4  | 856.7  | 812.8  | 784.4  | 756.0 | 689.4 | 611.5 | 529.0 | 451.0 | 387.5 | 340.5 |
| 127.5° | 846.1  | 818.8  | 780.2  | 753.8  | 727.3 | 663.7 | 591.8 | 517.6 | 448.8 | 392.8 | 351.1 |
| 130°   | 810.5  | 784.8  | 747.7  | 722.7  | 697.7 | 638.0 | 572.9 | 506.3 | 447.2 | 398.8 | 361.0 |
| 132.5° | 775.7  | 750.0  | 713.6  | 690.6  | 667.5 | 613.7 | 554.7 | 497.2 | 446.5 | 404.9 | 370.8 |
| 135°   | 737.8  | 712.9  | 680.3  | 659.2  | 638.0 | 588.0 | 538.1 | 488.9 | 445.7 | 409.4 | 379.1 |
| 137.5° | 699.3  | 677.3  | 646.3  | 627.3  | 608.4 | 567.6 | 524.4 | 482.8 | 445.7 | 414.0 | 386.0 |
| 140°   | 659.9  | 640.2  | 616.0  | 599.4  | 582.7 | 547.9 | 511.6 | 477.5 | 445.0 | 417.0 | 391.2 |
| 142.5° | 625.8  | 608.4  | 585.7  | 572.4  | 559.2 | 530.5 | 501.0 | 472.2 | 445.0 | 419.2 | 395.8 |
| 145°   | 592.5  | 579.7  | 561.5  | 550.6  | 539.6 | 516.1 | 491.1 | 467.7 | 443.5 | 420.8 | 399.6 |
| 147.5° | 566.1  | 555.5  | 539.6  | 531.2  | 522.9 | 504.0 | 483.6 | 463.1 | 441.2 | 421.5 | 401.8 |
| 150°   | 541.8  | 532.8  | 521.4  | 514.6  | 507.8 | 491.9 | 475.2 | 457.1 | 438.9 | 420.8 | 403.4 |
| 152.5° | 522.2  | 514.6  | 506.3  | 500.6  | 494.9 | 482.1 | 466.9 | 451.8 | 435.1 | 419.2 | 404.1 |
| 155°   | 504.8  | 499.5  | 491.1  | 487.0  | 482.8 | 471.5 | 459.4 | 445.0 | 430.6 | 417.7 | 404.9 |
| 157.5° | 488.1  | 483.6  | 477.5  | 474.1  | 470.7 | 460.9 | 450.3 | 438.9 | 426.1 | 414.7 | 404.9 |
| 160°   | 473.0  | 469.2  | 463.9  | 461.2  | 458.6 | 450.3 | 442.0 | 432.1 | 421.5 | 412.4 | 404.9 |
| 162.5° | 458.6  | 456.3  | 451.0  | 449.1  | 447.2 | 440.4 | 433.6 | 426.1 | 417.7 | 410.2 | 404.1 |
| 165°   | 445.0  | 442.0  | 438.9  | 437.4  | 435.9 | 430.6 | 425.3 | 419.2 | 412.4 | 407.1 | 402.6 |
| 167.5° | 431.4  | 429.8  | 428.3  | 426.8  | 425.3 | 421.5 | 417.0 | 412.4 | 407.9 | 404.1 | 401.8 |
| 170°   | 420.8  | 418.5  | 417.7  | 417.0  | 416.2 | 413.2 | 410.9 | 407.1 | 404.1 | 401.8 | 400.3 |
| 172.5° | 410.2  | 409.4  | 408.7  | 408.3  | 407.9 | 405.6 | 404.1 | 401.8 | 399.6 | 398.8 | 398.1 |
| 175°   | 402.6  | 401.8  | 401.8  | 401.5  | 401.1 | 400.3 | 399.6 | 397.3 | 396.5 | 395.8 | 396.5 |
| 177.5° | 396.5  | 396.5  | 396.5  | 396.5  | 396.5 | 395.8 | 395.8 | 394.3 | 393.5 | 394.3 | 395.8 |
| 180°   | 393.5  | 393.5  | 393.5  | 393.5  | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 |

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 |
| 2.5°   | 1358.1 | 1353.0 | 1349.9 | 1352.0 | 1345.9 | 1330.6 | 1330.6 | 1335.7 | 1329.6 | 1323.5 | 1314.3 |
| 5°     | 1395.7 | 1385.5 | 1379.4 | 1378.4 | 1364.2 | 1339.8 | 1334.7 | 1329.6 | 1316.4 | 1302.1 | 1286.9 |
| 7.5°   | 1432.3 | 1414.0 | 1403.8 | 1396.7 | 1376.4 | 1344.8 | 1331.6 | 1320.4 | 1299.1 | 1277.7 | 1258.4 |
| 10°    | 1462.8 | 1436.4 | 1424.2 | 1413.0 | 1386.6 | 1346.9 | 1325.5 | 1305.2 | 1277.7 | 1250.2 | 1225.8 |
| 12.5°  | 1487.3 | 1456.7 | 1441.5 | 1425.2 | 1392.7 | 1340.8 | 1314.3 | 1281.8 | 1254.3 | 1217.7 | 1193.3 |
| 15°    | 1528.0 | 1464.9 | 1450.6 | 1435.4 | 1401.8 | 1330.6 | 1298.0 | 1261.4 | 1223.8 | 1175.0 | 1148.5 |
| 17.5°  | 1560.5 | 1476.1 | 1475.1 | 1442.5 | 1398.8 | 1326.5 | 1276.7 | 1228.9 | 1188.2 | 1139.4 | 1097.6 |
| 20°    | 1579.8 | 1493.4 | 1477.1 | 1443.5 | 1388.6 | 1299.1 | 1247.2 | 1194.3 | 1150.5 | 1091.5 | 1049.8 |
| 22.5°  | 1596.1 | 1517.8 | 1475.1 | 1434.4 | 1367.2 | 1289.9 | 1213.6 | 1163.8 | 1103.7 | 1039.7 | 1000.0 |
| 25°    | 1602.2 | 1522.9 | 1478.1 | 1431.3 | 1352.0 | 1263.5 | 1177.0 | 1123.1 | 1055.9 | 998.0  | 944.0  |
| 27.5°  | 1603.2 | 1521.8 | 1466.9 | 1418.1 | 1330.6 | 1228.9 | 1140.4 | 1083.4 | 1009.1 | 942.0  | 888.1  |
| 30°    | 1593.1 | 1510.7 | 1460.8 | 1407.9 | 1310.3 | 1197.3 | 1095.6 | 1032.5 | 953.2  | 886.1  | 830.1  |
| 32.5°  | 1562.5 | 1488.3 | 1447.6 | 1389.6 | 1283.8 | 1153.6 | 1052.9 | 982.7  | 899.3  | 833.2  | 779.2  |
| 35°    | 1511.7 | 1460.8 | 1416.1 | 1362.1 | 1249.2 | 1112.9 | 1010.2 | 927.8  | 843.3  | 780.3  | 729.4  |
| 37.5°  | 1448.6 | 1421.1 | 1379.4 | 1326.5 | 1209.5 | 1076.3 | 962.3  | 870.8  | 786.4  | 725.3  | 675.5  |
| 40°    | 1363.2 | 1370.3 | 1329.6 | 1281.8 | 1162.7 | 1026.4 | 900.3  | 812.8  | 733.5  | 676.5  | 627.7  |
| 42.5°  | 1270.6 | 1300.1 | 1276.7 | 1230.9 | 1110.9 | 971.5  | 854.5  | 757.9  | 680.6  | 621.6  | 580.9  |
| 45°    | 1170.9 | 1221.8 | 1207.5 | 1173.9 | 1057.0 | 913.5  | 789.4  | 695.8  | 627.7  | 570.7  | 535.1  |
| 47.5°  | 1062.0 | 1134.3 | 1134.3 | 1109.9 | 996.9  | 855.5  | 733.5  | 637.8  | 570.7  | 530.0  | 495.4  |
| 50°    | 951.2  | 1032.5 | 1045.8 | 1029.5 | 929.8  | 789.4  | 665.3  | 578.8  | 520.8  | 481.2  | 455.7  |
| 52.5°  | 835.2  | 929.8  | 954.2  | 946.1  | 858.6  | 726.3  | 609.4  | 524.9  | 472.0  | 437.4  | 415.0  |
| 55°    | 724.3  | 834.2  | 860.6  | 863.7  | 782.3  | 657.2  | 547.3  | 473.0  | 422.2  | 398.8  | 379.4  |
| 57.5°  | 619.5  | 725.3  | 754.8  | 759.9  | 705.0  | 594.1  | 489.3  | 424.2  | 378.4  | 359.1  | 343.8  |
| 60°    | 530.0  | 618.5  | 657.2  | 668.4  | 620.5  | 520.8  | 435.4  | 372.3  | 337.7  | 319.4  | 305.2  |
| 62.5°  | 456.8  | 528.0  | 568.7  | 571.7  | 550.3  | 456.8  | 379.4  | 326.5  | 297.0  | 280.8  | 273.6  |
| 65°    | 385.5  | 449.6  | 474.1  | 486.3  | 469.0  | 395.7  | 327.6  | 283.8  | 260.4  | 246.2  | 239.1  |
| 67.5°  | 328.6  | 369.3  | 389.6  | 405.9  | 388.6  | 333.7  | 278.7  | 243.1  | 225.8  | 211.6  | 207.5  |
| 70°    | 269.6  | 303.1  | 318.4  | 334.7  | 319.4  | 277.7  | 238.0  | 205.5  | 190.2  | 179.0  | 174.0  |
| 72.5°  | 215.7  | 242.1  | 256.4  | 266.5  | 257.4  | 222.8  | 190.2  | 167.9  | 156.7  | 148.5  | 145.5  |
| 75°    | 170.9  | 189.2  | 197.4  | 204.5  | 200.4  | 174.0  | 153.6  | 135.3  | 125.1  | 118.0  | 116.0  |
| 77.5°  | 130.2  | 143.4  | 152.6  | 154.6  | 149.5  | 132.2  | 115.0  | 103.8  | 95.6   | 91.6   | 89.5   |
| 80°    | 92.6   | 100.7  | 105.8  | 108.8  | 103.8  | 96.6   | 84.4   | 76.3   | 69.2   | 64.1   | 63.1   |
| 82.5°  | 62.1   | 66.1   | 70.2   | 69.2   | 67.1   | 61.0   | 53.9   | 49.8   | 46.8   | 42.7   | 42.7   |
| 85°    | 35.6   | 36.6   | 38.7   | 39.7   | 38.7   | 34.6   | 30.5   | 28.5   | 26.4   | 23.4   | 23.4   |
| 87.5°  | 15.3   | 16.3   | 16.3   | 17.3   | 15.3   | 15.3   | 13.2   | 11.2   | 11.2   | 10.2   | 9.2    |
| 90°    | 15.1   | 11.4   | 10.2   | 9.1    | 7.6    | 6.1    | 3.0    | 0.8    | 3.0    | 6.1    | 7.6    |
| 92.5°  | 60.5   | 40.1   | 36.0   | 31.8   | 25.7   | 21.9   | 15.9   | 11.4   | 15.9   | 21.9   | 25.7   |
| 95°    | 109.0  | 74.2   | 65.1   | 56.0   | 43.9   | 37.1   | 29.5   | 26.5   | 29.5   | 37.1   | 43.9   |
| 97.5°  | 140.8  | 96.1   | 85.9   | 75.7   | 62.1   | 52.2   | 43.9   | 39.4   | 43.9   | 52.2   | 62.1   |
| 100°   | 155.9  | 115.8  | 105.2  | 94.6   | 79.5   | 67.4   | 60.5   | 58.3   | 60.5   | 67.4   | 79.5   |
| 102.5° | 169.5  | 133.2  | 122.6  | 112.0  | 96.1   | 84.0   | 77.2   | 75.7   | 77.2   | 84.0   | 96.1   |
| 105°   | 185.4  | 149.8  | 139.2  | 128.7  | 112.0  | 100.6  | 95.4   | 92.3   | 95.4   | 100.6  | 112.0  |
| 107.5° | 201.3  | 166.5  | 155.9  | 145.3  | 128.7  | 118.1  | 112.8  | 110.5  | 112.8  | 118.1  | 128.7  |
| 110°   | 217.2  | 183.9  | 172.9  | 161.9  | 146.1  | 136.2  | 131.7  | 128.7  | 131.7  | 136.2  | 146.1  |

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 232.3 | 200.5 | 189.2  | 177.8 | 162.7 | 153.6 | 148.3 | 145.3 | 148.3 | 153.6 | 162.7 |
| 115°   | 248.2 | 215.7 | 205.4  | 195.2 | 180.1 | 171.0 | 166.5 | 162.7 | 166.5 | 171.0 | 180.1 |
| 117.5° | 262.6 | 232.3 | 221.7  | 211.1 | 196.8 | 188.4 | 183.9 | 180.9 | 183.9 | 188.4 | 196.8 |
| 120°   | 277.7 | 248.2 | 237.6  | 227.0 | 211.9 | 205.1 | 200.5 | 197.5 | 200.5 | 205.1 | 211.9 |
| 122.5° | 292.1 | 264.9 | 253.9  | 242.9 | 227.8 | 220.2 | 215.7 | 213.4 | 215.7 | 220.2 | 227.8 |
| 125°   | 306.5 | 279.2 | 268.6  | 258.1 | 242.9 | 233.8 | 229.3 | 227.0 | 229.3 | 233.8 | 242.9 |
| 127.5° | 320.1 | 293.6 | 282.6  | 271.7 | 257.3 | 247.5 | 241.4 | 238.4 | 241.4 | 247.5 | 257.3 |
| 130°   | 332.2 | 305.7 | 295.1  | 284.5 | 269.4 | 258.8 | 251.2 | 248.2 | 251.2 | 258.8 | 269.4 |
| 132.5° | 342.8 | 317.8 | 307.2  | 296.7 | 280.8 | 269.4 | 261.1 | 257.3 | 261.1 | 269.4 | 280.8 |
| 135°   | 352.7 | 328.4 | 317.8  | 307.2 | 289.8 | 278.5 | 269.4 | 266.4 | 269.4 | 278.5 | 289.8 |
| 137.5° | 361.0 | 336.8 | 327.0  | 317.1 | 299.7 | 287.6 | 278.5 | 274.7 | 278.5 | 287.6 | 299.7 |
| 140°   | 367.8 | 345.1 | 335.2  | 325.4 | 308.8 | 296.7 | 287.6 | 284.5 | 287.6 | 296.7 | 308.8 |
| 142.5° | 373.1 | 351.1 | 342.0  | 333.0 | 317.1 | 305.0 | 296.7 | 294.4 | 296.7 | 305.0 | 317.1 |
| 145°   | 378.4 | 358.0 | 349.6  | 341.3 | 326.2 | 314.8 | 307.2 | 304.2 | 307.2 | 314.8 | 326.2 |
| 147.5° | 382.9 | 363.2 | 355.6  | 348.1 | 335.2 | 324.7 | 317.1 | 314.8 | 317.1 | 324.7 | 335.2 |
| 150°   | 386.0 | 368.5 | 361.7  | 354.9 | 343.6 | 333.7 | 327.7 | 325.4 | 327.7 | 333.7 | 343.6 |
| 152.5° | 389.0 | 373.8 | 367.8  | 361.7 | 351.1 | 342.8 | 336.8 | 336.0 | 336.8 | 342.8 | 351.1 |
| 155°   | 392.0 | 379.1 | 373.5  | 367.8 | 359.5 | 351.1 | 346.6 | 345.8 | 346.6 | 351.1 | 359.5 |
| 157.5° | 394.3 | 382.9 | 378.0  | 373.1 | 366.3 | 358.7 | 354.9 | 354.2 | 354.9 | 358.7 | 366.3 |
| 160°   | 395.8 | 386.7 | 382.5  | 378.4 | 372.3 | 366.3 | 363.2 | 362.5 | 363.2 | 366.3 | 372.3 |
| 162.5° | 396.5 | 389.0 | 386.0  | 382.9 | 377.6 | 373.1 | 370.1 | 370.8 | 370.1 | 373.1 | 377.6 |
| 165°   | 397.3 | 390.5 | 388.2  | 386.0 | 382.2 | 377.6 | 376.1 | 376.9 | 376.1 | 377.6 | 382.2 |
| 167.5° | 397.3 | 392.0 | 390.5  | 389.0 | 386.0 | 382.9 | 381.4 | 382.2 | 381.4 | 382.9 | 386.0 |
| 170°   | 396.5 | 392.8 | 391.6  | 390.5 | 389.0 | 386.7 | 386.0 | 387.5 | 386.0 | 386.7 | 389.0 |
| 172.5° | 395.8 | 393.5 | 392.8  | 392.0 | 391.2 | 389.0 | 389.7 | 390.5 | 389.7 | 389.0 | 391.2 |
| 175°   | 395.0 | 393.5 | 393.2  | 392.8 | 392.8 | 391.2 | 392.0 | 392.8 | 392.0 | 391.2 | 392.8 |
| 177.5° | 394.3 | 393.5 | 393.5  | 393.5 | 393.5 | 392.0 | 392.8 | 394.3 | 392.8 | 392.0 | 393.5 |
| 180°   | 393.5 | 393.5 | 393.5  | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 |

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 |
| 2.5°   | 1309.2 | 1314.3 | 1313.3 | 1303.1 | 1291.9 | 1282.8 | 1265.5 | 1267.5 | 1261.4 | 1262.4 | 1268.5 |
| 5°     | 1276.7 | 1276.7 | 1272.6 | 1258.4 | 1240.1 | 1229.9 | 1210.6 | 1205.5 | 1193.3 | 1192.3 | 1191.2 |
| 7.5°   | 1242.1 | 1237.0 | 1231.9 | 1211.6 | 1189.2 | 1172.9 | 1146.5 | 1140.4 | 1128.2 | 1120.0 | 1116.0 |
| 10°    | 1201.4 | 1194.3 | 1184.1 | 1160.7 | 1133.2 | 1112.9 | 1085.4 | 1077.3 | 1053.9 | 1043.7 | 1037.6 |
| 12.5°  | 1156.6 | 1152.6 | 1136.3 | 1117.0 | 1072.2 | 1049.8 | 1010.2 | 1018.3 | 994.9  | 974.6  | 971.5  |
| 15°    | 1111.9 | 1096.6 | 1087.5 | 1055.9 | 1002.0 | 991.8  | 960.3  | 944.0  | 922.7  | 906.4  | 906.4  |
| 17.5°  | 1068.1 | 1044.7 | 1024.4 | 990.8  | 951.2  | 922.7  | 899.3  | 891.1  | 864.7  | 848.4  | 845.4  |
| 20°    | 1010.2 | 983.7  | 978.6  | 930.8  | 903.3  | 871.8  | 849.4  | 829.1  | 809.8  | 802.6  | 797.5  |
| 22.5°  | 955.2  | 924.7  | 916.6  | 875.9  | 848.4  | 816.9  | 794.5  | 780.3  | 766.0  | 760.9  | 751.8  |
| 25°    | 896.2  | 877.9  | 865.7  | 822.0  | 791.4  | 761.9  | 746.7  | 736.5  | 723.3  | 722.3  | 716.2  |
| 27.5°  | 839.3  | 822.0  | 809.8  | 768.0  | 745.7  | 718.2  | 706.0  | 694.8  | 687.7  | 684.6  | 681.6  |
| 30°    | 790.4  | 771.1  | 756.9  | 726.3  | 698.9  | 676.5  | 666.3  | 659.2  | 655.1  | 650.0  | 649.0  |
| 32.5°  | 736.5  | 725.3  | 706.0  | 682.6  | 661.2  | 639.9  | 633.8  | 628.7  | 622.6  | 620.5  | 619.5  |
| 35°    | 690.7  | 675.5  | 663.3  | 636.8  | 627.7  | 609.4  | 602.2  | 598.2  | 590.0  | 588.0  | 586.0  |
| 37.5°  | 646.0  | 631.7  | 618.5  | 602.2  | 584.9  | 574.8  | 570.7  | 564.6  | 560.5  | 561.5  | 559.5  |
| 40°    | 601.2  | 590.0  | 579.8  | 562.6  | 552.4  | 547.3  | 539.2  | 533.1  | 531.0  | 532.0  | 531.0  |
| 42.5°  | 557.5  | 547.3  | 541.2  | 528.0  | 517.8  | 512.7  | 507.6  | 501.5  | 504.6  | 504.6  | 507.6  |
| 45°    | 517.8  | 508.6  | 504.6  | 494.4  | 488.3  | 480.2  | 475.1  | 474.1  | 478.1  | 477.1  | 477.1  |
| 47.5°  | 477.1  | 474.1  | 469.0  | 459.8  | 451.7  | 446.6  | 445.6  | 445.6  | 449.6  | 451.7  | 450.7  |
| 50°    | 445.6  | 439.5  | 433.4  | 426.2  | 420.1  | 418.1  | 415.0  | 417.1  | 421.2  | 421.2  | 423.2  |
| 52.5°  | 405.9  | 401.8  | 399.8  | 393.7  | 389.6  | 389.6  | 389.6  | 390.6  | 393.7  | 396.7  | 395.7  |
| 55°    | 371.3  | 368.3  | 366.2  | 363.2  | 358.1  | 359.1  | 358.1  | 360.1  | 363.2  | 366.2  | 368.3  |
| 57.5°  | 334.7  | 333.7  | 331.6  | 326.5  | 326.5  | 325.5  | 328.6  | 329.6  | 334.7  | 336.7  | 339.8  |
| 60°    | 302.1  | 299.1  | 299.1  | 295.0  | 295.0  | 295.0  | 298.1  | 301.1  | 305.2  | 306.2  | 308.2  |
| 62.5°  | 267.5  | 267.5  | 266.5  | 263.5  | 263.5  | 266.5  | 267.5  | 271.6  | 273.6  | 273.6  | 276.7  |
| 65°    | 235.0  | 234.0  | 233.0  | 234.0  | 235.0  | 235.0  | 238.0  | 240.1  | 242.1  | 243.1  | 244.1  |
| 67.5°  | 202.4  | 201.4  | 203.5  | 202.4  | 204.5  | 208.5  | 207.5  | 210.6  | 213.6  | 213.6  | 214.6  |
| 70°    | 171.9  | 174.0  | 172.9  | 175.0  | 174.0  | 176.0  | 179.0  | 180.1  | 180.1  | 181.1  | 184.1  |
| 72.5°  | 143.4  | 143.4  | 143.4  | 142.4  | 143.4  | 145.5  | 147.5  | 148.5  | 150.6  | 151.6  | 154.6  |
| 75°    | 116.0  | 116.0  | 113.9  | 116.0  | 116.0  | 118.0  | 120.0  | 120.0  | 120.0  | 122.1  | 125.1  |
| 77.5°  | 87.5   | 88.5   | 87.5   | 89.5   | 89.5   | 90.5   | 92.6   | 91.6   | 93.6   | 94.6   | 95.6   |
| 80°    | 64.1   | 63.1   | 63.1   | 63.1   | 64.1   | 64.1   | 66.1   | 67.1   | 67.1   | 70.2   | 68.2   |
| 82.5°  | 40.7   | 41.7   | 40.7   | 41.7   | 41.7   | 42.7   | 41.7   | 42.7   | 43.7   | 45.8   | 44.8   |
| 85°    | 23.4   | 22.4   | 22.4   | 23.4   | 22.4   | 22.4   | 23.4   | 22.4   | 23.4   | 22.4   | 23.4   |
| 87.5°  | 9.2    | 8.1    | 8.1    | 8.1    | 8.1    | 7.1    | 7.1    | 6.1    | 6.1    | 6.1    | 5.1    |
| 90°    | 9.1    | 10.2   | 11.4   | 15.1   | 20.4   | 25.0   | 25.7   | 25.0   | 24.2   | 22.7   | 24.2   |
| 92.5°  | 31.8   | 36.0   | 40.1   | 60.5   | 89.3   | 115.0  | 116.5  | 97.6   | 76.4   | 65.1   | 56.8   |
| 95°    | 56.0   | 65.1   | 74.2   | 109.0  | 174.8  | 262.6  | 296.7  | 259.6  | 198.3  | 152.1  | 120.3  |
| 97.5°  | 75.7   | 85.9   | 96.1   | 140.8  | 232.3  | 373.8  | 483.6  | 487.4  | 405.6  | 323.9  | 247.5  |
| 100°   | 94.6   | 105.2  | 115.8  | 155.9  | 248.2  | 411.7  | 597.8  | 706.8  | 690.9  | 597.1  | 493.4  |
| 102.5° | 112.0  | 122.6  | 133.2  | 169.5  | 249.0  | 397.3  | 601.6  | 788.5  | 877.8  | 874.8  | 806.0  |
| 105°   | 128.7  | 139.2  | 149.8  | 185.4  | 252.8  | 377.6  | 560.8  | 762.1  | 919.5  | 1005.0 | 1014.8 |
| 107.5° | 145.3  | 155.9  | 166.5  | 201.3  | 261.1  | 367.0  | 522.9  | 706.1  | 874.8  | 1002.0 | 1076.1 |
| 110°   | 161.9  | 172.9  | 183.9  | 217.2  | 271.7  | 364.0  | 497.2  | 653.8  | 813.5  | 949.0  | 1045.9 |

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 177.8 | 189.2  | 200.5 | 232.3 | 283.0 | 364.8 | 480.5 | 617.5 | 757.5 | 886.2 | 991.4 |
| 115°   | 195.2 | 205.4  | 215.7 | 248.2 | 294.4 | 367.8 | 469.2 | 588.8 | 713.6 | 830.2 | 929.3 |
| 117.5° | 211.1 | 221.7  | 232.3 | 262.6 | 306.5 | 372.3 | 463.1 | 569.1 | 677.3 | 781.7 | 874.1 |
| 120°   | 227.0 | 237.6  | 248.2 | 277.7 | 318.6 | 376.9 | 457.8 | 554.0 | 651.6 | 745.4 | 825.6 |
| 122.5° | 242.9 | 253.9  | 264.9 | 292.1 | 329.2 | 382.2 | 454.8 | 541.1 | 631.1 | 715.1 | 790.1 |
| 125°   | 258.1 | 268.6  | 279.2 | 306.5 | 340.5 | 387.5 | 451.0 | 529.0 | 611.5 | 689.4 | 756.0 |
| 127.5° | 271.7 | 282.6  | 293.6 | 320.1 | 351.1 | 392.8 | 448.8 | 517.6 | 591.8 | 663.7 | 727.3 |
| 130°   | 284.5 | 295.1  | 305.7 | 332.2 | 361.0 | 398.8 | 447.2 | 506.3 | 572.9 | 638.0 | 697.7 |
| 132.5° | 296.7 | 307.2  | 317.8 | 342.8 | 370.8 | 404.9 | 446.5 | 497.2 | 554.7 | 613.7 | 667.5 |
| 135°   | 307.2 | 317.8  | 328.4 | 352.7 | 379.1 | 409.4 | 445.7 | 488.9 | 538.1 | 588.0 | 638.0 |
| 137.5° | 317.1 | 327.0  | 336.8 | 361.0 | 386.0 | 414.0 | 445.7 | 482.8 | 524.4 | 567.6 | 608.4 |
| 140°   | 325.4 | 335.2  | 345.1 | 367.8 | 391.2 | 417.0 | 445.0 | 477.5 | 511.6 | 547.9 | 582.7 |
| 142.5° | 333.0 | 342.0  | 351.1 | 373.1 | 395.8 | 419.2 | 445.0 | 472.2 | 501.0 | 530.5 | 559.2 |
| 145°   | 341.3 | 349.6  | 358.0 | 378.4 | 399.6 | 420.8 | 443.5 | 467.7 | 491.1 | 516.1 | 539.6 |
| 147.5° | 348.1 | 355.6  | 363.2 | 382.9 | 401.8 | 421.5 | 441.2 | 463.1 | 483.6 | 504.0 | 522.9 |
| 150°   | 354.9 | 361.7  | 368.5 | 386.0 | 403.4 | 420.8 | 438.9 | 457.1 | 475.2 | 491.9 | 507.8 |
| 152.5° | 361.7 | 367.8  | 373.8 | 389.0 | 404.1 | 419.2 | 435.1 | 451.8 | 466.9 | 482.1 | 494.9 |
| 155°   | 367.8 | 373.5  | 379.1 | 392.0 | 404.9 | 417.7 | 430.6 | 445.0 | 459.4 | 471.5 | 482.8 |
| 157.5° | 373.1 | 378.0  | 382.9 | 394.3 | 404.9 | 414.7 | 426.1 | 438.9 | 450.3 | 460.9 | 470.7 |
| 160°   | 378.4 | 382.5  | 386.7 | 395.8 | 404.9 | 412.4 | 421.5 | 432.1 | 442.0 | 450.3 | 458.6 |
| 162.5° | 382.9 | 386.0  | 389.0 | 396.5 | 404.1 | 410.2 | 417.7 | 426.1 | 433.6 | 440.4 | 447.2 |
| 165°   | 386.0 | 388.2  | 390.5 | 397.3 | 402.6 | 407.1 | 412.4 | 419.2 | 425.3 | 430.6 | 435.9 |
| 167.5° | 389.0 | 390.5  | 392.0 | 397.3 | 401.8 | 404.1 | 407.9 | 412.4 | 417.0 | 421.5 | 425.3 |
| 170°   | 390.5 | 391.6  | 392.8 | 396.5 | 400.3 | 401.8 | 404.1 | 407.1 | 410.9 | 413.2 | 416.2 |
| 172.5° | 392.0 | 392.8  | 393.5 | 395.8 | 398.1 | 398.8 | 399.6 | 401.8 | 404.1 | 405.6 | 407.9 |
| 175°   | 392.8 | 393.2  | 393.5 | 395.0 | 396.5 | 395.8 | 396.5 | 397.3 | 399.6 | 400.3 | 401.1 |
| 177.5° | 393.5 | 393.5  | 393.5 | 394.3 | 395.8 | 394.3 | 393.5 | 394.3 | 395.8 | 395.8 | 396.5 |
| 180°   | 393.5 | 393.5  | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 |



TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 |
| 2.5°   | 1261.4 | 1264.5 | 1257.4 | 1255.3 | 1257.4 | 1250.2 | 1252.3 | 1254.3 | 1254.3 | 1257.4 | 1259.4 |
| 5°     | 1188.2 | 1184.1 | 1177.0 | 1175.0 | 1172.9 | 1176.0 | 1173.9 | 1177.0 | 1178.0 | 1185.1 | 1186.1 |
| 7.5°   | 1116.0 | 1109.9 | 1103.7 | 1097.6 | 1095.6 | 1090.5 | 1095.6 | 1095.6 | 1102.7 | 1100.7 | 1105.8 |
| 10°    | 1030.5 | 1029.5 | 1021.3 | 1018.3 | 1014.2 | 1006.1 | 1017.3 | 1014.2 | 1019.3 | 1028.5 | 1030.5 |
| 12.5°  | 967.4  | 956.2  | 961.3  | 947.1  | 952.2  | 944.0  | 945.1  | 945.1  | 953.2  | 954.2  | 952.2  |
| 15°    | 907.4  | 898.3  | 885.0  | 878.9  | 875.9  | 871.8  | 885.0  | 886.1  | 879.9  | 894.2  | 889.1  |
| 17.5°  | 846.4  | 846.4  | 834.2  | 831.1  | 823.0  | 827.0  | 825.0  | 826.0  | 824.0  | 834.2  | 839.3  |
| 20°    | 793.5  | 788.4  | 784.3  | 785.3  | 775.2  | 773.1  | 771.1  | 773.1  | 780.3  | 787.4  | 789.4  |
| 22.5°  | 750.8  | 747.7  | 737.5  | 739.6  | 731.4  | 734.5  | 732.4  | 737.5  | 738.5  | 738.5  | 745.7  |
| 25°    | 710.1  | 706.0  | 707.0  | 702.9  | 699.9  | 699.9  | 696.8  | 699.9  | 704.0  | 706.0  | 707.0  |
| 27.5°  | 679.5  | 676.5  | 671.4  | 668.4  | 670.4  | 665.3  | 669.4  | 672.4  | 672.4  | 670.4  | 672.4  |
| 30°    | 642.9  | 645.0  | 645.0  | 634.8  | 638.9  | 636.8  | 639.9  | 641.9  | 641.9  | 642.9  | 640.9  |
| 32.5°  | 618.5  | 612.4  | 611.4  | 610.4  | 610.4  | 606.3  | 606.3  | 609.4  | 610.4  | 611.4  | 614.4  |
| 35°    | 586.0  | 586.0  | 580.9  | 583.9  | 579.8  | 580.9  | 579.8  | 580.9  | 582.9  | 579.8  | 582.9  |
| 37.5°  | 556.5  | 557.5  | 555.4  | 557.5  | 558.5  | 556.5  | 554.4  | 558.5  | 556.5  | 556.5  | 554.4  |
| 40°    | 531.0  | 530.0  | 531.0  | 531.0  | 531.0  | 532.0  | 530.0  | 530.0  | 530.0  | 528.0  | 525.9  |
| 42.5°  | 509.7  | 503.6  | 505.6  | 506.6  | 503.6  | 503.6  | 504.6  | 503.6  | 506.6  | 500.5  | 500.5  |
| 45°    | 479.1  | 477.1  | 478.1  | 478.1  | 480.2  | 477.1  | 479.1  | 480.2  | 477.1  | 476.1  | 474.1  |
| 47.5°  | 451.7  | 453.7  | 451.7  | 453.7  | 453.7  | 455.7  | 451.7  | 452.7  | 453.7  | 449.6  | 446.6  |
| 50°    | 424.2  | 424.2  | 427.3  | 426.2  | 427.3  | 425.2  | 425.2  | 424.2  | 425.2  | 423.2  | 420.1  |
| 52.5°  | 398.8  | 395.7  | 400.8  | 399.8  | 398.8  | 397.8  | 396.7  | 397.8  | 395.7  | 393.7  | 393.7  |
| 55°    | 367.2  | 367.2  | 370.3  | 371.3  | 371.3  | 369.3  | 367.2  | 368.3  | 367.2  | 366.2  | 365.2  |
| 57.5°  | 341.8  | 337.7  | 339.8  | 340.8  | 340.8  | 337.7  | 339.8  | 337.7  | 337.7  | 338.8  | 335.7  |
| 60°    | 309.3  | 309.3  | 307.2  | 310.3  | 310.3  | 308.2  | 308.2  | 309.3  | 307.2  | 306.2  | 305.2  |
| 62.5°  | 274.7  | 275.7  | 278.7  | 279.8  | 280.8  | 278.7  | 276.7  | 277.7  | 277.7  | 274.7  | 275.7  |
| 65°    | 245.2  | 247.2  | 251.3  | 250.3  | 248.2  | 249.2  | 247.2  | 248.2  | 245.2  | 246.2  | 243.1  |
| 67.5°  | 216.7  | 215.7  | 216.7  | 216.7  | 218.7  | 217.7  | 215.7  | 215.7  | 214.6  | 217.7  | 214.6  |
| 70°    | 186.2  | 186.2  | 186.2  | 186.2  | 187.2  | 188.2  | 186.2  | 184.1  | 185.1  | 183.1  | 182.1  |
| 72.5°  | 154.6  | 155.6  | 154.6  | 156.7  | 153.6  | 155.6  | 155.6  | 154.6  | 153.6  | 153.6  | 153.6  |
| 75°    | 125.1  | 127.2  | 124.1  | 125.1  | 124.1  | 126.1  | 125.1  | 125.1  | 123.1  | 122.1  | 123.1  |
| 77.5°  | 95.6   | 96.6   | 94.6   | 95.6   | 94.6   | 95.6   | 95.6   | 94.6   | 94.6   | 94.6   | 94.6   |
| 80°    | 68.2   | 69.2   | 68.2   | 67.1   | 66.1   | 68.2   | 66.1   | 67.1   | 68.2   | 67.1   | 69.2   |
| 82.5°  | 43.7   | 43.7   | 42.7   | 43.7   | 41.7   | 41.7   | 42.7   | 42.7   | 41.7   | 43.7   | 41.7   |
| 85°    | 21.4   | 21.4   | 23.4   | 21.4   | 20.3   | 20.3   | 20.3   | 21.4   | 20.3   | 22.4   | 21.4   |
| 87.5°  | 5.1    | 4.1    | 5.1    | 5.1    | 4.1    | 4.1    | 5.1    | 4.1    | 5.1    | 6.1    | 4.1    |
| 90°    | 24.6   | 25.0   | 25.0   | 25.0   | 25.0   | 25.0   | 25.0   | 25.0   | 25.0   | 25.0   | 24.6   |
| 92.5°  | 53.8   | 50.7   | 49.9   | 46.9   | 47.7   | 46.2   | 47.7   | 46.9   | 49.9   | 50.7   | 53.8   |
| 95°    | 112.0  | 103.7  | 93.8   | 87.8   | 85.5   | 86.3   | 85.5   | 87.8   | 93.8   | 103.7  | 112.0  |
| 97.5°  | 224.8  | 202.1  | 172.5  | 157.4  | 149.1  | 144.5  | 149.1  | 157.4  | 172.5  | 202.1  | 224.8  |
| 100°   | 447.6  | 401.8  | 339.0  | 306.5  | 284.5  | 270.9  | 284.5  | 306.5  | 339.0  | 401.8  | 447.6  |
| 102.5° | 756.8  | 707.6  | 638.0  | 576.7  | 547.9  | 528.2  | 547.9  | 576.7  | 638.0  | 707.6  | 756.8  |
| 105°   | 1002.3 | 989.8  | 942.9  | 896.0  | 863.5  | 852.9  | 863.5  | 896.0  | 942.9  | 989.8  | 1002.3 |
| 107.5° | 1091.2 | 1106.4 | 1105.6 | 1098.8 | 1089.0 | 1071.6 | 1089.0 | 1098.8 | 1105.6 | 1106.4 | 1091.2 |
| 110°   | 1076.9 | 1107.9 | 1140.4 | 1154.8 | 1161.6 | 1160.9 | 1161.6 | 1154.8 | 1140.4 | 1107.9 | 1076.9 |



TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1028.1 | 1064.8 | 1113.2 | 1139.7 | 1154.1 | 1159.4 | 1154.1 | 1139.7 | 1113.2 | 1064.8 | 1028.1 |
| 115°   | 968.3  | 1007.3 | 1061.0 | 1095.8 | 1115.5 | 1122.3 | 1115.5 | 1095.8 | 1061.0 | 1007.3 | 968.3  |
| 117.5° | 911.2  | 948.2  | 1003.5 | 1040.6 | 1061.0 | 1066.3 | 1061.0 | 1040.6 | 1003.5 | 948.2  | 911.2  |
| 120°   | 860.0  | 894.5  | 947.5  | 983.0  | 1005.0 | 1012.6 | 1005.0 | 983.0  | 947.5  | 894.5  | 860.0  |
| 122.5° | 820.4  | 850.6  | 896.8  | 931.6  | 950.5  | 956.6  | 950.5  | 931.6  | 896.8  | 850.6  | 820.4  |
| 125°   | 784.4  | 812.8  | 856.7  | 885.4  | 904.3  | 910.4  | 904.3  | 885.4  | 856.7  | 812.8  | 784.4  |
| 127.5° | 753.8  | 780.2  | 818.8  | 846.1  | 862.7  | 867.3  | 862.7  | 846.1  | 818.8  | 780.2  | 753.8  |
| 130°   | 722.7  | 747.7  | 784.8  | 810.5  | 825.6  | 831.7  | 825.6  | 810.5  | 784.8  | 747.7  | 722.7  |
| 132.5° | 690.6  | 713.6  | 750.0  | 775.7  | 789.3  | 794.6  | 789.3  | 775.7  | 750.0  | 713.6  | 690.6  |
| 135°   | 659.2  | 680.3  | 712.9  | 737.8  | 751.5  | 754.5  | 751.5  | 737.8  | 712.9  | 680.3  | 659.2  |
| 137.5° | 627.3  | 646.3  | 677.3  | 699.3  | 711.4  | 715.9  | 711.4  | 699.3  | 677.3  | 646.3  | 627.3  |
| 140°   | 599.4  | 616.0  | 640.2  | 659.9  | 671.3  | 675.8  | 671.3  | 659.9  | 640.2  | 616.0  | 599.4  |
| 142.5° | 572.4  | 585.7  | 608.4  | 625.8  | 635.7  | 635.7  | 635.7  | 625.8  | 608.4  | 585.7  | 572.4  |
| 145°   | 550.6  | 561.5  | 579.7  | 592.5  | 600.1  | 602.4  | 600.1  | 592.5  | 579.7  | 561.5  | 550.6  |
| 147.5° | 531.2  | 539.6  | 555.5  | 566.1  | 571.4  | 572.9  | 571.4  | 566.1  | 555.5  | 539.6  | 531.2  |
| 150°   | 514.6  | 521.4  | 532.8  | 541.8  | 546.4  | 547.1  | 546.4  | 541.8  | 532.8  | 521.4  | 514.6  |
| 152.5° | 500.6  | 506.3  | 514.6  | 522.2  | 525.2  | 525.2  | 525.2  | 522.2  | 514.6  | 506.3  | 500.6  |
| 155°   | 487.0  | 491.1  | 499.5  | 504.8  | 507.8  | 506.3  | 507.8  | 504.8  | 499.5  | 491.1  | 487.0  |
| 157.5° | 474.1  | 477.5  | 483.6  | 488.1  | 489.6  | 489.6  | 489.6  | 488.1  | 483.6  | 477.5  | 474.1  |
| 160°   | 461.2  | 463.9  | 469.2  | 473.0  | 473.7  | 473.7  | 473.7  | 473.0  | 469.2  | 463.9  | 461.2  |
| 162.5° | 449.1  | 451.0  | 456.3  | 458.6  | 459.4  | 458.6  | 459.4  | 458.6  | 456.3  | 451.0  | 449.1  |
| 165°   | 437.4  | 438.9  | 442.0  | 445.0  | 445.0  | 444.2  | 445.0  | 445.0  | 442.0  | 438.9  | 437.4  |
| 167.5° | 426.8  | 428.3  | 429.8  | 431.4  | 431.4  | 430.6  | 431.4  | 431.4  | 429.8  | 428.3  | 426.8  |
| 170°   | 417.0  | 417.7  | 418.5  | 420.8  | 420.0  | 418.5  | 420.0  | 420.8  | 418.5  | 417.7  | 417.0  |
| 172.5° | 408.3  | 408.7  | 409.4  | 410.2  | 409.4  | 408.7  | 409.4  | 410.2  | 409.4  | 408.7  | 408.3  |
| 175°   | 401.5  | 401.8  | 401.8  | 402.6  | 401.8  | 400.3  | 401.8  | 402.6  | 401.8  | 401.8  | 401.5  |
| 177.5° | 396.5  | 396.5  | 396.5  | 396.5  | 395.8  | 394.3  | 395.8  | 396.5  | 396.5  | 396.5  | 396.5  |
| 180°   | 393.5  | 393.5  | 393.5  | 393.5  | 393.5  | 393.5  | 393.5  | 393.5  | 393.5  | 393.5  | 393.5  |

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 | 1323.5 |
| 2.5°   | 1256.3 | 1264.5 | 1261.4 | 1250.2 | 1263.5 | 1263.5 | 1272.6 | 1272.6 | 1283.8 | 1287.9 | 1294.0 |
| 5°     | 1185.1 | 1191.2 | 1196.3 | 1191.2 | 1200.4 | 1214.6 | 1222.8 | 1229.9 | 1245.1 | 1251.3 | 1260.4 |
| 7.5°   | 1108.8 | 1120.0 | 1125.1 | 1125.1 | 1140.4 | 1156.6 | 1172.9 | 1183.1 | 1204.5 | 1212.6 | 1221.8 |
| 10°    | 1034.6 | 1047.8 | 1058.0 | 1057.0 | 1082.4 | 1092.6 | 1112.9 | 1136.3 | 1157.7 | 1169.9 | 1183.1 |
| 12.5°  | 956.2  | 963.4  | 977.6  | 998.0  | 1004.1 | 1022.4 | 1045.8 | 1075.3 | 1113.9 | 1125.1 | 1144.4 |
| 15°    | 891.1  | 910.5  | 921.7  | 930.8  | 945.1  | 962.3  | 987.8  | 1016.3 | 1054.9 | 1079.3 | 1099.7 |
| 17.5°  | 836.2  | 861.6  | 868.8  | 866.7  | 885.0  | 911.5  | 941.0  | 962.3  | 996.9  | 1026.4 | 1045.8 |
| 20°    | 791.4  | 801.6  | 813.8  | 818.9  | 833.2  | 861.6  | 890.1  | 914.5  | 943.0  | 966.4  | 988.8  |
| 22.5°  | 746.7  | 754.8  | 765.0  | 774.1  | 785.3  | 801.6  | 829.1  | 859.6  | 887.1  | 909.4  | 934.9  |
| 25°    | 710.1  | 715.1  | 724.3  | 731.4  | 743.6  | 754.8  | 774.1  | 807.7  | 840.3  | 853.5  | 875.9  |
| 27.5°  | 674.5  | 678.5  | 684.6  | 692.8  | 698.9  | 710.1  | 727.4  | 754.8  | 788.4  | 801.6  | 832.1  |
| 30°    | 642.9  | 646.0  | 652.1  | 656.1  | 659.2  | 672.4  | 685.6  | 707.0  | 732.4  | 750.8  | 773.1  |
| 32.5°  | 613.4  | 616.5  | 622.6  | 623.6  | 627.7  | 634.8  | 647.0  | 666.3  | 688.7  | 704.0  | 723.3  |
| 35°    | 580.9  | 582.9  | 589.0  | 591.0  | 594.1  | 600.2  | 609.4  | 623.6  | 643.9  | 655.1  | 672.4  |
| 37.5°  | 555.4  | 554.4  | 558.5  | 561.5  | 565.6  | 568.7  | 571.7  | 586.0  | 601.2  | 611.4  | 624.6  |
| 40°    | 528.0  | 525.9  | 527.0  | 531.0  | 533.1  | 537.1  | 537.1  | 551.4  | 561.5  | 569.7  | 579.8  |
| 42.5°  | 500.5  | 499.5  | 497.4  | 499.5  | 501.5  | 502.5  | 503.6  | 513.7  | 523.9  | 531.0  | 542.2  |
| 45°    | 473.0  | 472.0  | 470.0  | 471.0  | 471.0  | 473.0  | 476.1  | 480.2  | 487.3  | 493.4  | 499.5  |
| 47.5°  | 447.6  | 445.6  | 442.5  | 441.5  | 443.5  | 443.5  | 443.5  | 447.6  | 454.7  | 456.8  | 462.9  |
| 50°    | 421.2  | 418.1  | 414.0  | 412.0  | 412.0  | 411.0  | 413.0  | 414.0  | 420.1  | 422.2  | 427.3  |
| 52.5°  | 392.7  | 390.6  | 386.6  | 382.5  | 383.5  | 381.5  | 382.5  | 383.5  | 385.5  | 388.6  | 391.7  |
| 55°    | 364.2  | 360.1  | 357.1  | 356.0  | 353.0  | 353.0  | 349.9  | 354.0  | 353.0  | 354.0  | 358.1  |
| 57.5°  | 336.7  | 332.7  | 327.6  | 325.5  | 322.5  | 321.5  | 319.4  | 318.4  | 319.4  | 322.5  | 325.5  |
| 60°    | 304.2  | 302.1  | 299.1  | 296.0  | 294.0  | 290.9  | 288.9  | 288.9  | 287.9  | 287.9  | 288.9  |
| 62.5°  | 272.6  | 271.6  | 267.5  | 266.5  | 264.5  | 262.5  | 259.4  | 257.4  | 257.4  | 259.4  | 260.4  |
| 65°    | 242.1  | 241.1  | 238.0  | 237.0  | 231.9  | 229.9  | 228.9  | 227.9  | 225.8  | 225.8  | 225.8  |
| 67.5°  | 213.6  | 210.6  | 210.6  | 205.5  | 201.4  | 199.4  | 197.4  | 196.3  | 196.3  | 196.3  | 197.4  |
| 70°    | 182.1  | 182.1  | 179.0  | 176.0  | 171.9  | 172.9  | 169.9  | 166.8  | 166.8  | 164.8  | 165.8  |
| 72.5°  | 151.6  | 150.6  | 147.5  | 146.5  | 143.4  | 140.4  | 138.3  | 140.4  | 137.3  | 136.3  | 137.3  |
| 75°    | 122.1  | 121.1  | 119.0  | 117.0  | 118.0  | 115.0  | 111.9  | 110.9  | 110.9  | 108.8  | 108.8  |
| 77.5°  | 93.6   | 95.6   | 91.6   | 90.5   | 88.5   | 86.5   | 85.5   | 84.4   | 84.4   | 84.4   | 86.5   |
| 80°    | 65.1   | 66.1   | 66.1   | 64.1   | 65.1   | 62.1   | 62.1   | 62.1   | 59.0   | 60.0   | 61.0   |
| 82.5°  | 41.7   | 41.7   | 40.7   | 41.7   | 40.7   | 40.7   | 39.7   | 39.7   | 38.7   | 38.7   | 39.7   |
| 85°    | 23.4   | 22.4   | 21.4   | 23.4   | 22.4   | 22.4   | 21.4   | 21.4   | 21.4   | 21.4   | 21.4   |
| 87.5°  | 5.1    | 6.1    | 6.1    | 6.1    | 6.1    | 7.1    | 7.1    | 7.1    | 8.1    | 8.1    | 8.1    |
| 90°    | 24.2   | 22.7   | 24.2   | 25.0   | 25.7   | 25.0   | 20.4   | 15.1   | 11.4   | 10.2   | 9.1    |
| 92.5°  | 56.8   | 65.1   | 76.4   | 97.6   | 116.5  | 115.0  | 89.3   | 60.5   | 40.1   | 36.0   | 31.8   |
| 95°    | 120.3  | 152.1  | 198.3  | 259.6  | 296.7  | 262.6  | 174.8  | 109.0  | 74.2   | 65.1   | 56.0   |
| 97.5°  | 247.5  | 323.9  | 405.6  | 487.4  | 483.6  | 373.8  | 232.3  | 140.8  | 96.1   | 85.9   | 75.7   |
| 100°   | 493.4  | 597.1  | 690.9  | 706.8  | 597.8  | 411.7  | 248.2  | 155.9  | 115.8  | 105.2  | 94.6   |
| 102.5° | 806.0  | 874.8  | 877.8  | 788.5  | 601.6  | 397.3  | 249.0  | 169.5  | 133.2  | 122.6  | 112.0  |
| 105°   | 1014.8 | 1005.0 | 919.5  | 762.1  | 560.8  | 377.6  | 252.8  | 185.4  | 149.8  | 139.2  | 128.7  |
| 107.5° | 1076.1 | 1002.0 | 874.8  | 706.1  | 522.9  | 367.0  | 261.1  | 201.3  | 166.5  | 155.9  | 145.3  |
| 110°   | 1045.9 | 949.0  | 813.5  | 653.8  | 497.2  | 364.0  | 271.7  | 217.2  | 183.9  | 172.9  | 161.9  |

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 991.4 | 886.2 | 757.5 | 617.5 | 480.5 | 364.8 | 283.0 | 232.3 | 200.5 | 189.2  | 177.8 |
| 115°   | 929.3 | 830.2 | 713.6 | 588.8 | 469.2 | 367.8 | 294.4 | 248.2 | 215.7 | 205.4  | 195.2 |
| 117.5° | 874.1 | 781.7 | 677.3 | 569.1 | 463.1 | 372.3 | 306.5 | 262.6 | 232.3 | 221.7  | 211.1 |
| 120°   | 825.6 | 745.4 | 651.6 | 554.0 | 457.8 | 376.9 | 318.6 | 277.7 | 248.2 | 237.6  | 227.0 |
| 122.5° | 790.1 | 715.1 | 631.1 | 541.1 | 454.8 | 382.2 | 329.2 | 292.1 | 264.9 | 253.9  | 242.9 |
| 125°   | 756.0 | 689.4 | 611.5 | 529.0 | 451.0 | 387.5 | 340.5 | 306.5 | 279.2 | 268.6  | 258.1 |
| 127.5° | 727.3 | 663.7 | 591.8 | 517.6 | 448.8 | 392.8 | 351.1 | 320.1 | 293.6 | 282.6  | 271.7 |
| 130°   | 697.7 | 638.0 | 572.9 | 506.3 | 447.2 | 398.8 | 361.0 | 332.2 | 305.7 | 295.1  | 284.5 |
| 132.5° | 667.5 | 613.7 | 554.7 | 497.2 | 446.5 | 404.9 | 370.8 | 342.8 | 317.8 | 307.2  | 296.7 |
| 135°   | 638.0 | 588.0 | 538.1 | 488.9 | 445.7 | 409.4 | 379.1 | 352.7 | 328.4 | 317.8  | 307.2 |
| 137.5° | 608.4 | 567.6 | 524.4 | 482.8 | 445.7 | 414.0 | 386.0 | 361.0 | 336.8 | 327.0  | 317.1 |
| 140°   | 582.7 | 547.9 | 511.6 | 477.5 | 445.0 | 417.0 | 391.2 | 367.8 | 345.1 | 335.2  | 325.4 |
| 142.5° | 559.2 | 530.5 | 501.0 | 472.2 | 445.0 | 419.2 | 395.8 | 373.1 | 351.1 | 342.0  | 333.0 |
| 145°   | 539.6 | 516.1 | 491.1 | 467.7 | 443.5 | 420.8 | 399.6 | 378.4 | 358.0 | 349.6  | 341.3 |
| 147.5° | 522.9 | 504.0 | 483.6 | 463.1 | 441.2 | 421.5 | 401.8 | 382.9 | 363.2 | 355.6  | 348.1 |
| 150°   | 507.8 | 491.9 | 475.2 | 457.1 | 438.9 | 420.8 | 403.4 | 386.0 | 368.5 | 361.7  | 354.9 |
| 152.5° | 494.9 | 482.1 | 466.9 | 451.8 | 435.1 | 419.2 | 404.1 | 389.0 | 373.8 | 367.8  | 361.7 |
| 155°   | 482.8 | 471.5 | 459.4 | 445.0 | 430.6 | 417.7 | 404.9 | 392.0 | 379.1 | 373.5  | 367.8 |
| 157.5° | 470.7 | 460.9 | 450.3 | 438.9 | 426.1 | 414.7 | 404.9 | 394.3 | 382.9 | 378.0  | 373.1 |
| 160°   | 458.6 | 450.3 | 442.0 | 432.1 | 421.5 | 412.4 | 404.9 | 395.8 | 386.7 | 382.5  | 378.4 |
| 162.5° | 447.2 | 440.4 | 433.6 | 426.1 | 417.7 | 410.2 | 404.1 | 396.5 | 389.0 | 386.0  | 382.9 |
| 165°   | 435.9 | 430.6 | 425.3 | 419.2 | 412.4 | 407.1 | 402.6 | 397.3 | 390.5 | 388.2  | 386.0 |
| 167.5° | 425.3 | 421.5 | 417.0 | 412.4 | 407.9 | 404.1 | 401.8 | 397.3 | 392.0 | 390.5  | 389.0 |
| 170°   | 416.2 | 413.2 | 410.9 | 407.1 | 404.1 | 401.8 | 400.3 | 396.5 | 392.8 | 391.6  | 390.5 |
| 172.5° | 407.9 | 405.6 | 404.1 | 401.8 | 399.6 | 398.8 | 398.1 | 395.8 | 393.5 | 392.8  | 392.0 |
| 175°   | 401.1 | 400.3 | 399.6 | 397.3 | 396.5 | 395.8 | 396.5 | 395.0 | 393.5 | 393.2  | 392.8 |
| 177.5° | 396.5 | 395.8 | 395.8 | 394.3 | 393.5 | 394.3 | 395.8 | 394.3 | 393.5 | 393.5  | 393.5 |
| 180°   | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5 | 393.5  | 393.5 |

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1323.5 | 1323.5 | 1323.5 | 1323.5 |
| 2.5°   | 1299.1 | 1299.1 | 1314.3 | 1330.6 |
| 5°     | 1270.6 | 1277.7 | 1302.1 | 1324.5 |
| 7.5°   | 1243.1 | 1255.3 | 1285.8 | 1314.3 |
| 10°    | 1209.5 | 1225.8 | 1263.5 | 1297.0 |
| 12.5°  | 1177.0 | 1192.3 | 1236.0 | 1273.6 |
| 15°    | 1131.2 | 1150.5 | 1197.3 | 1244.1 |
| 17.5°  | 1085.4 | 1104.8 | 1161.7 | 1216.7 |
| 20°    | 1031.5 | 1057.0 | 1121.0 | 1194.3 |
| 22.5°  | 981.7  | 1013.2 | 1084.4 | 1143.4 |
| 25°    | 926.7  | 975.6  | 1041.7 | 1118.0 |
| 27.5°  | 877.9  | 926.7  | 993.9  | 1071.2 |
| 30°    | 823.0  | 872.8  | 942.0  | 1013.2 |
| 32.5°  | 770.1  | 815.9  | 883.0  | 970.5  |
| 35°    | 715.1  | 758.9  | 824.0  | 912.5  |
| 37.5°  | 665.3  | 708.0  | 779.2  | 860.6  |
| 40°    | 616.5  | 661.2  | 722.3  | 803.7  |
| 42.5°  | 570.7  | 610.4  | 665.3  | 746.7  |
| 45°    | 529.0  | 557.5  | 608.3  | 684.6  |
| 47.5°  | 485.2  | 510.7  | 557.5  | 633.8  |
| 50°    | 444.6  | 465.9  | 506.6  | 577.8  |
| 52.5°  | 404.9  | 423.2  | 460.8  | 517.8  |
| 55°    | 369.3  | 386.6  | 414.0  | 470.0  |
| 57.5°  | 332.7  | 345.9  | 372.3  | 417.1  |
| 60°    | 297.0  | 309.3  | 330.6  | 367.2  |
| 62.5°  | 261.4  | 271.6  | 292.0  | 321.5  |
| 65°    | 229.9  | 238.0  | 253.3  | 278.7  |
| 67.5°  | 199.4  | 204.5  | 216.7  | 237.0  |
| 70°    | 169.9  | 174.0  | 184.1  | 200.4  |
| 72.5°  | 138.3  | 142.4  | 153.6  | 164.8  |
| 75°    | 111.9  | 112.9  | 121.1  | 130.2  |
| 77.5°  | 87.5   | 86.5   | 92.6   | 99.7   |
| 80°    | 60.0   | 63.1   | 68.2   | 71.2   |
| 82.5°  | 40.7   | 41.7   | 43.7   | 45.8   |
| 85°    | 22.4   | 23.4   | 23.4   | 26.4   |
| 87.5°  | 9.2    | 10.2   | 10.2   | 11.2   |
| 90°    | 7.6    | 6.1    | 3.0    | 0.8    |
| 92.5°  | 25.7   | 21.9   | 15.9   | 11.4   |
| 95°    | 43.9   | 37.1   | 29.5   | 26.5   |
| 97.5°  | 62.1   | 52.2   | 43.9   | 39.4   |
| 100°   | 79.5   | 67.4   | 60.5   | 58.3   |
| 102.5° | 96.1   | 84.0   | 77.2   | 75.7   |
| 105°   | 112.0  | 100.6  | 95.4   | 92.3   |
| 107.5° | 128.7  | 118.1  | 112.8  | 110.5  |
| 110°   | 146.1  | 136.2  | 131.7  | 128.7  |

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 162.7 | 153.6 | 148.3 | 145.3 |
| 115°   | 180.1 | 171.0 | 166.5 | 162.7 |
| 117.5° | 196.8 | 188.4 | 183.9 | 180.9 |
| 120°   | 211.9 | 205.1 | 200.5 | 197.5 |
| 122.5° | 227.8 | 220.2 | 215.7 | 213.4 |
| 125°   | 242.9 | 233.8 | 229.3 | 227.0 |
| 127.5° | 257.3 | 247.5 | 241.4 | 238.4 |
| 130°   | 269.4 | 258.8 | 251.2 | 248.2 |
| 132.5° | 280.8 | 269.4 | 261.1 | 257.3 |
| 135°   | 289.8 | 278.5 | 269.4 | 266.4 |
| 137.5° | 299.7 | 287.6 | 278.5 | 274.7 |
| 140°   | 308.8 | 296.7 | 287.6 | 284.5 |
| 142.5° | 317.1 | 305.0 | 296.7 | 294.4 |
| 145°   | 326.2 | 314.8 | 307.2 | 304.2 |
| 147.5° | 335.2 | 324.7 | 317.1 | 314.8 |
| 150°   | 343.6 | 333.7 | 327.7 | 325.4 |
| 152.5° | 351.1 | 342.8 | 336.8 | 336.0 |
| 155°   | 359.5 | 351.1 | 346.6 | 345.8 |
| 157.5° | 366.3 | 358.7 | 354.9 | 354.2 |
| 160°   | 372.3 | 366.3 | 363.2 | 362.5 |
| 162.5° | 377.6 | 373.1 | 370.1 | 370.8 |
| 165°   | 382.2 | 377.6 | 376.1 | 376.9 |
| 167.5° | 386.0 | 382.9 | 381.4 | 382.2 |
| 170°   | 389.0 | 386.7 | 386.0 | 387.5 |
| 172.5° | 391.2 | 389.0 | 389.7 | 390.5 |
| 175°   | 392.8 | 391.2 | 392.0 | 392.8 |
| 177.5° | 393.5 | 392.0 | 392.8 | 394.3 |
| 180°   | 393.5 | 393.5 | 393.5 | 393.5 |

TEST NUMBER: P998854

CATALOG NUMBER: SA2XXDIP-B675D725UB27-4F0-XX-W2A-A4

**CIE UGR TABLE:**

| Reflectances:   |      |                  |       |       |       |       |                |       |       |       |       |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling         |      | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall            |      | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane |      | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions |      | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H            | Y=2H | 16.56            | 17.40 | 17.51 | 18.36 | 19.62 | 14.05          | 14.90 | 15.00 | 15.86 | 17.11 |
|                 | 3H   | 17.37            | 18.12 | 18.33 | 19.10 | 20.37 | 15.40          | 16.15 | 16.36 | 17.12 | 18.40 |
|                 | 4H   | 17.54            | 18.25 | 18.52 | 19.23 | 20.51 | 15.86          | 16.57 | 16.84 | 17.55 | 18.83 |
|                 | 6H   | 17.58            | 18.24 | 18.57 | 19.22 | 20.51 | 16.17          | 16.82 | 17.15 | 17.80 | 19.10 |
|                 | 8H   | 17.56            | 18.19 | 18.56 | 19.18 | 20.47 | 16.25          | 16.87 | 17.24 | 17.87 | 19.16 |
|                 | 12H  | 17.52            | 18.12 | 18.52 | 19.11 | 20.42 | 16.29          | 16.88 | 17.29 | 17.87 | 19.19 |
| 4H              | 2H   | 16.60            | 17.31 | 17.58 | 18.29 | 19.57 | 14.50          | 15.21 | 15.48 | 16.18 | 17.47 |
|                 | 3H   | 17.58            | 18.17 | 18.57 | 19.18 | 20.47 | 15.96          | 16.55 | 16.95 | 17.55 | 18.85 |
|                 | 4H   | 17.86            | 18.40 | 18.85 | 19.39 | 20.71 | 16.49          | 17.03 | 17.49 | 18.03 | 19.35 |
|                 | 6H   | 17.99            | 18.45 | 19.00 | 19.47 | 20.79 | 16.87          | 17.33 | 17.88 | 18.35 | 19.67 |
|                 | 8H   | 17.98            | 18.42 | 18.99 | 19.43 | 20.76 | 16.98          | 17.41 | 17.99 | 18.43 | 19.76 |
|                 | 12H  | 17.95            | 18.34 | 18.98 | 19.37 | 20.70 | 17.04          | 17.43 | 18.07 | 18.46 | 19.79 |
| 8H              | 4H   | 17.86            | 18.30 | 18.87 | 19.31 | 20.64 | 16.63          | 17.07 | 17.64 | 18.08 | 19.41 |
|                 | 6H   | 18.04            | 18.40 | 19.08 | 19.45 | 20.78 | 17.07          | 17.42 | 18.10 | 18.48 | 19.81 |
|                 | 8H   | 18.07            | 18.39 | 19.12 | 19.43 | 20.78 | 17.22          | 17.53 | 18.26 | 18.57 | 19.92 |
|                 | 12H  | 18.06            | 18.33 | 19.10 | 19.37 | 20.76 | 17.31          | 17.58 | 18.35 | 18.62 | 20.01 |
| 12H             | 4H   | 17.82            | 18.21 | 18.85 | 19.24 | 20.58 | 16.61          | 17.00 | 17.63 | 18.03 | 19.36 |
|                 | 6H   | 18.02            | 18.33 | 19.06 | 19.38 | 20.73 | 17.07          | 17.38 | 18.11 | 18.42 | 19.77 |
|                 | 8H   | 18.05            | 18.33 | 19.10 | 19.36 | 20.76 | 17.22          | 17.50 | 18.27 | 18.54 | 19.93 |