

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: NEO-RAY

Report Number: P332554

Luminaire Tested: **S124DIP-S575D810U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332554
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S575D810U835-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5399.0 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

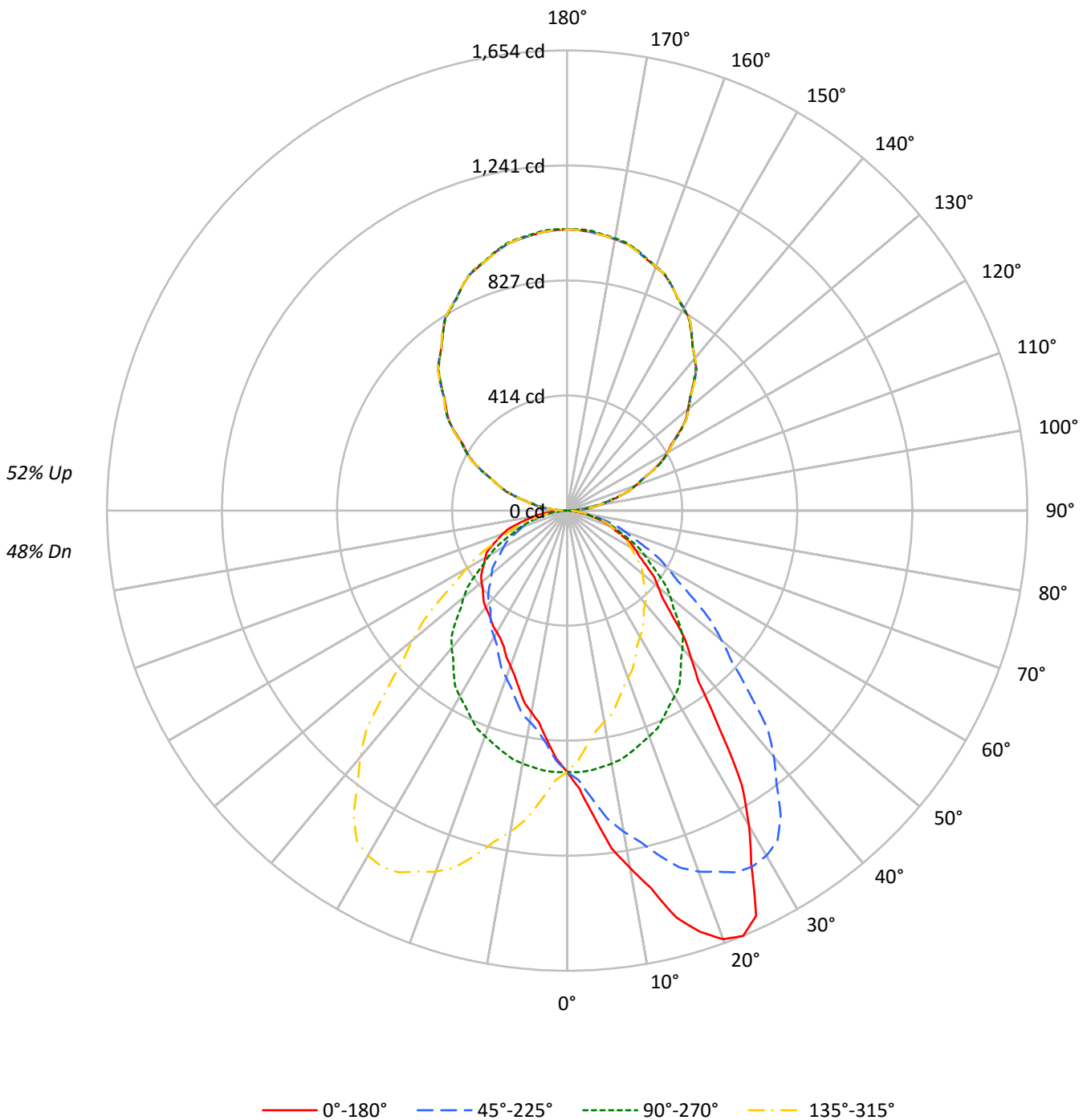
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 68 | 68 | 68 | 54 | 54 | 54 | 48 | 48 | 48 | 48 | |
| 1 | 98 | 93 | 89 | 86 | 90 | 86 | 83 | 80 | 72 | 70 | 68 | 60 | 58 | 57 | 48 | 47 | 46 | 41 | 41 | 41 | 41 | |
| 2 | 89 | 82 | 76 | 71 | 82 | 75 | 70 | 66 | 64 | 60 | 57 | 53 | 50 | 48 | 43 | 41 | 39 | 35 | 35 | 35 | 35 | |
| 3 | 81 | 72 | 65 | 59 | 75 | 67 | 60 | 55 | 56 | 52 | 48 | 47 | 43 | 41 | 38 | 36 | 34 | 30 | 30 | 30 | 30 | |
| 4 | 74 | 64 | 56 | 50 | 68 | 59 | 52 | 47 | 50 | 45 | 41 | 42 | 38 | 35 | 34 | 31 | 29 | 26 | 26 | 26 | 26 | |
| 5 | 68 | 57 | 49 | 43 | 63 | 53 | 46 | 40 | 45 | 40 | 35 | 38 | 34 | 30 | 31 | 28 | 26 | 22 | 22 | 22 | 22 | |
| 6 | 63 | 51 | 43 | 37 | 58 | 48 | 40 | 35 | 41 | 35 | 31 | 34 | 30 | 27 | 28 | 25 | 23 | 20 | 20 | 20 | 20 | |
| 7 | 58 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 37 | 31 | 27 | 31 | 27 | 24 | 26 | 23 | 20 | 18 | 18 | 18 | 18 | |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 28 | 24 | 21 | 24 | 20 | 18 | 16 | 16 | 16 | 16 | |
| 9 | 50 | 38 | 31 | 26 | 46 | 36 | 29 | 25 | 31 | 26 | 22 | 26 | 22 | 19 | 22 | 19 | 16 | 14 | 14 | 14 | 14 | |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 20 | 24 | 20 | 17 | 20 | 17 | 15 | 13 | 13 | 13 | 13 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|------|------|------|
| 0° | 7582 | 7582 | 7582 | 7582 |
| 5° | 8930 | 7602 | 6710 | 7602 |
| 10° | 10691 | 7569 | 6041 | 7569 |
| 15° | 12649 | 7492 | 5548 | 7492 |
| 20° | 14086 | 7414 | 5107 | 7414 |
| 25° | 14313 | 7299 | 4804 | 7299 |
| 30° | 12179 | 7189 | 4708 | 7189 |
| 35° | 9363 | 7009 | 4709 | 7009 |
| 40° | 7299 | 6798 | 4797 | 6798 |
| 45° | 6085 | 6481 | 4877 | 6481 |
| 50° | 5355 | 6094 | 5043 | 6094 |
| 55° | 4906 | 5630 | 5246 | 5630 |
| 60° | 4598 | 5214 | 5491 | 5214 |
| 65° | 4281 | 4749 | 5692 | 4749 |
| 70° | 3911 | 4289 | 5823 | 4289 |
| 75° | 3497 | 3774 | 5752 | 3774 |
| 80° | 2929 | 3092 | 5570 | 3092 |
| 85° | 2158 | 2232 | 5335 | 2232 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 91.5 | 1.7 |
| 10°-20° | 282.0 | 5.2 |
| 20°-30° | 447.2 | 8.3 |
| 30°-40° | 497.7 | 9.2 |
| 40°-50° | 453.1 | 8.4 |
| 50°-60° | 370.2 | 6.9 |
| 60°-70° | 264.3 | 4.9 |
| 70°-80° | 145.5 | 2.7 |
| 80°-90° | 42.8 | 0.8 |
| 90°-100° | 66.7 | 1.2 |
| 100°-110° | 197.5 | 3.7 |
| 110°-120° | 335.2 | 6.2 |
| 120°-130° | 442.0 | 8.2 |
| 130°-140° | 496.4 | 9.2 |
| 140°-150° | 487.8 | 9.0 |
| 150°-160° | 410.3 | 7.6 |
| 160°-170° | 273.0 | 5.1 |
| 170°-180° | 95.6 | 1.8 |
| 0°-30° | 820.8 | 15.2 |
| 0°-40° | 1318.5 | 24.4 |
| 0°-60° | 2141.8 | 39.7 |
| 0°-90° | 2594.4 | 48.1 |
| 90°-120° | 599.4 | 11.1 |
| 90°-150° | 2025.7 | 37.5 |
| 90°-180° | 2805.0 | 52.0 |
| 0°-180° | 5399.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 939 | 939 | 939 | 939 | 939 | |
| 5° | 1102 | 938 | 828 | 938 | 1102 | 112 |
| 15° | 1514 | 896 | 664 | 896 | 1514 | 428 |
| 25° | 1607 | 819 | 539 | 819 | 1607 | 708 |
| 35° | 950 | 711 | 478 | 711 | 950 | 603 |
| 45° | 533 | 568 | 427 | 568 | 533 | 420 |
| 55° | 349 | 400 | 373 | 400 | 349 | 315 |
| 65° | 224 | 249 | 298 | 249 | 224 | 222 |
| 75° | 112 | 121 | 184 | 121 | 112 | 119 |
| 85° | 23 | 24 | 58 | 24 | 23 | 29 |
| 90° | 24 | 2 | 24 | 2 | 24 | 13 |
| 95° | 62 | 47 | 62 | 47 | 62 | 64 |
| 105° | 191 | 182 | 191 | 182 | 191 | 201 |
| 115° | 338 | 341 | 338 | 341 | 338 | 334 |
| 125° | 492 | 496 | 492 | 496 | 492 | 439 |
| 135° | 641 | 640 | 641 | 640 | 641 | 495 |
| 145° | 779 | 778 | 779 | 778 | 779 | 487 |
| 155° | 890 | 891 | 890 | 891 | 890 | 410 |
| 165° | 968 | 970 | 968 | 970 | 968 | 273 |
| 175° | 1005 | 1009 | 1005 | 1009 | 1005 | 95 |
| 180° | 1011 | 1011 | 1011 | 1011 | 1011 | |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 |
| 2.5° | 999.6 | 999.3 | 996.2 | 995.6 | 993.4 | 990.6 | 990.0 | 985.0 | 975.0 | 970.4 | 969.1 |
| 5° | 1101.9 | 1109.7 | 1099.5 | 1097.6 | 1096.4 | 1083.6 | 1077.0 | 1069.2 | 1051.3 | 1040.8 | 1032.6 |
| 7.5° | 1223.9 | 1224.8 | 1220.4 | 1216.8 | 1206.9 | 1195.7 | 1178.9 | 1161.0 | 1139.7 | 1117.5 | 1100.8 |
| 10° | 1304.2 | 1307.3 | 1302.3 | 1301.5 | 1281.6 | 1269.2 | 1244.3 | 1223.3 | 1199.1 | 1172.3 | 1147.8 |
| 12.5° | 1388.9 | 1384.5 | 1381.9 | 1365.3 | 1361.6 | 1338.9 | 1310.0 | 1288.3 | 1251.1 | 1220.2 | 1187.6 |
| 15° | 1513.5 | 1505.0 | 1499.5 | 1476.6 | 1465.3 | 1433.8 | 1403.0 | 1379.3 | 1330.7 | 1284.4 | 1249.3 |
| 17.5° | 1586.7 | 1595.2 | 1582.6 | 1573.2 | 1544.0 | 1521.9 | 1490.5 | 1440.7 | 1402.6 | 1345.1 | 1300.9 |
| 20° | 1639.6 | 1640.4 | 1633.4 | 1623.6 | 1600.7 | 1572.7 | 1538.4 | 1484.0 | 1438.4 | 1381.2 | 1320.5 |
| 22.5° | 1653.9 | 1654.1 | 1651.1 | 1642.0 | 1624.6 | 1601.9 | 1567.4 | 1521.9 | 1466.8 | 1404.6 | 1343.9 |
| 25° | 1606.9 | 1605.4 | 1608.9 | 1619.0 | 1612.4 | 1605.4 | 1585.5 | 1551.7 | 1500.3 | 1434.5 | 1369.2 |
| 27.5° | 1432.3 | 1443.0 | 1462.8 | 1487.7 | 1511.7 | 1529.9 | 1535.1 | 1528.2 | 1496.3 | 1442.2 | 1373.8 |
| 30° | 1306.5 | 1319.8 | 1334.5 | 1359.5 | 1407.7 | 1435.3 | 1465.7 | 1488.6 | 1475.8 | 1432.6 | 1368.8 |
| 32.5° | 1168.3 | 1171.6 | 1193.5 | 1221.9 | 1266.1 | 1319.2 | 1367.3 | 1413.9 | 1429.4 | 1406.8 | 1353.5 |
| 35° | 950.1 | 955.6 | 979.3 | 1007.3 | 1061.4 | 1126.4 | 1198.8 | 1263.3 | 1316.7 | 1338.1 | 1310.8 |
| 37.5° | 775.4 | 791.0 | 807.7 | 837.8 | 885.5 | 944.0 | 1019.2 | 1102.7 | 1182.2 | 1235.4 | 1244.4 |
| 40° | 692.6 | 702.3 | 714.4 | 737.3 | 777.8 | 835.4 | 899.9 | 995.7 | 1080.1 | 1156.4 | 1181.3 |
| 42.5° | 627.2 | 632.9 | 640.3 | 661.0 | 691.9 | 749.1 | 808.1 | 892.3 | 977.1 | 1068.3 | 1110.0 |
| 45° | 533.0 | 538.9 | 551.3 | 563.4 | 586.7 | 626.4 | 681.3 | 750.5 | 835.7 | 923.7 | 1000.7 |
| 47.5° | 465.0 | 468.8 | 476.2 | 489.1 | 508.9 | 535.1 | 579.7 | 637.5 | 716.5 | 801.9 | 884.0 |
| 50° | 426.4 | 429.5 | 435.4 | 447.1 | 462.2 | 485.6 | 522.1 | 576.2 | 638.1 | 724.1 | 804.6 |
| 52.5° | 395.9 | 397.2 | 401.5 | 409.4 | 421.5 | 441.1 | 471.1 | 515.8 | 573.4 | 650.0 | 730.2 |
| 55° | 348.6 | 350.2 | 354.1 | 359.9 | 370.4 | 382.9 | 405.8 | 439.3 | 489.5 | 556.0 | 625.6 |
| 57.5° | 309.7 | 310.8 | 314.1 | 316.3 | 325.0 | 335.1 | 352.7 | 376.6 | 414.7 | 471.1 | 533.3 |
| 60° | 284.8 | 284.0 | 287.9 | 289.9 | 295.7 | 304.3 | 317.9 | 340.8 | 373.9 | 419.4 | 476.6 |
| 62.5° | 260.5 | 259.4 | 262.7 | 265.3 | 268.6 | 275.9 | 287.1 | 305.0 | 331.9 | 373.1 | 422.5 |
| 65° | 224.1 | 222.6 | 224.5 | 227.6 | 230.7 | 234.6 | 242.8 | 258.7 | 280.1 | 309.7 | 347.4 |
| 67.5° | 187.5 | 189.2 | 189.5 | 191.0 | 192.8 | 198.1 | 203.7 | 215.0 | 230.1 | 253.8 | 285.7 |
| 70° | 165.7 | 166.1 | 167.7 | 167.7 | 168.9 | 173.5 | 178.2 | 184.8 | 199.6 | 221.4 | 247.5 |
| 72.5° | 144.0 | 145.6 | 145.0 | 146.2 | 147.1 | 150.2 | 153.6 | 159.9 | 172.5 | 188.7 | 210.7 |
| 75° | 112.1 | 113.2 | 113.2 | 113.6 | 114.8 | 115.9 | 118.7 | 123.3 | 132.3 | 144.3 | 159.5 |
| 77.5° | 81.7 | 81.9 | 82.4 | 83.8 | 83.8 | 85.7 | 87.7 | 91.4 | 95.9 | 104.1 | 113.4 |
| 80° | 63.0 | 63.8 | 63.4 | 64.2 | 64.2 | 65.8 | 66.5 | 71.2 | 73.1 | 78.6 | 86.0 |
| 82.5° | 46.2 | 47.0 | 46.9 | 48.0 | 48.6 | 48.9 | 50.0 | 51.9 | 53.8 | 58.7 | 61.7 |
| 85° | 23.3 | 24.1 | 23.3 | 24.1 | 25.3 | 25.7 | 26.8 | 27.2 | 28.8 | 30.0 | 32.7 |
| 87.5° | 11.5 | 12.4 | 12.3 | 12.6 | 13.1 | 13.3 | 13.4 | 12.9 | 13.9 | 14.0 | 15.0 |
| 90° | 23.5 | 23.1 | 22.8 | 22.4 | 22.1 | 21.4 | 20.3 | 19.3 | 18.2 | 17.2 | 15.8 |
| 92.5° | 34.7 | 34.5 | 34.3 | 34.1 | 33.9 | 33.5 | 32.8 | 32.2 | 31.6 | 31.0 | 30.0 |
| 95° | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.5 | 61.0 | 60.5 | 59.9 | 59.4 | 58.2 |
| 97.5° | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.5 | 95.8 | 95.2 | 94.6 | 94.0 | 92.5 |
| 100° | 121.2 | 121.2 | 121.2 | 121.2 | 121.2 | 121.0 | 120.7 | 120.3 | 120.0 | 119.6 | 118.0 |
| 102.5° | 148.7 | 148.6 | 148.4 | 148.3 | 148.1 | 147.8 | 147.3 | 146.9 | 146.4 | 145.9 | 144.5 |
| 105° | 190.8 | 190.2 | 189.7 | 189.2 | 188.7 | 188.1 | 187.6 | 187.1 | 186.6 | 186.1 | 185.4 |
| 107.5° | 231.7 | 231.8 | 231.8 | 231.8 | 231.9 | 231.6 | 231.1 | 230.7 | 230.2 | 229.7 | 229.6 |
| 110° | 261.1 | 260.6 | 260.1 | 259.6 | 259.0 | 258.9 | 259.3 | 259.6 | 260.0 | 260.3 | 260.5 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 291.1 | 291.0 | 290.9 | 290.8 | 290.7 | 290.7 | 290.8 | 290.8 | 290.9 | 291.0 | 291.3 |
| 115° | 337.7 | 337.9 | 338.1 | 338.3 | 338.4 | 338.6 | 338.8 | 338.9 | 339.1 | 339.3 | 339.6 |
| 117.5° | 382.1 | 382.5 | 382.8 | 383.2 | 383.5 | 384.0 | 384.6 | 385.2 | 385.8 | 386.4 | 386.6 |
| 120° | 415.9 | 415.6 | 415.2 | 414.9 | 414.5 | 414.8 | 415.6 | 416.5 | 417.4 | 418.3 | 418.8 |
| 122.5° | 444.1 | 444.7 | 445.3 | 445.9 | 446.6 | 447.2 | 447.8 | 448.3 | 448.9 | 449.5 | 449.8 |
| 125° | 492.5 | 492.9 | 493.2 | 493.6 | 493.9 | 494.3 | 494.6 | 495.0 | 495.3 | 495.7 | 495.8 |
| 127.5° | 537.4 | 537.7 | 538.0 | 538.2 | 538.5 | 538.8 | 539.2 | 539.5 | 539.9 | 540.2 | 540.5 |
| 130° | 566.8 | 567.5 | 568.2 | 568.9 | 569.6 | 570.1 | 570.4 | 570.8 | 571.1 | 571.5 | 571.5 |
| 132.5° | 598.1 | 598.3 | 598.6 | 598.9 | 599.2 | 599.5 | 599.8 | 600.2 | 600.5 | 600.9 | 601.0 |
| 135° | 641.1 | 641.6 | 642.1 | 642.6 | 643.1 | 643.6 | 643.9 | 644.3 | 644.6 | 645.0 | 645.0 |
| 137.5° | 686.3 | 686.1 | 686.0 | 685.9 | 685.8 | 686.0 | 686.5 | 686.9 | 687.4 | 687.8 | 687.5 |
| 140° | 713.8 | 713.9 | 714.1 | 714.3 | 714.5 | 714.6 | 714.8 | 715.0 | 715.2 | 715.3 | 715.3 |
| 142.5° | 741.3 | 741.3 | 741.4 | 741.4 | 741.4 | 741.5 | 741.5 | 741.5 | 741.6 | 741.6 | 741.7 |
| 145° | 778.7 | 779.2 | 779.7 | 780.2 | 780.7 | 781.1 | 781.3 | 781.4 | 781.6 | 781.8 | 781.6 |
| 147.5° | 816.5 | 816.7 | 816.8 | 817.0 | 817.2 | 817.3 | 817.5 | 817.6 | 817.8 | 817.9 | 818.0 |
| 150° | 839.6 | 839.8 | 840.0 | 840.2 | 840.3 | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 |
| 152.5° | 860.9 | 861.4 | 861.8 | 862.3 | 862.7 | 862.7 | 862.3 | 861.9 | 861.5 | 861.1 | 860.9 |
| 155° | 890.5 | 891.1 | 891.8 | 892.5 | 893.2 | 893.2 | 892.5 | 891.8 | 891.1 | 890.5 | 890.6 |
| 157.5° | 916.9 | 917.5 | 918.1 | 918.7 | 919.2 | 919.3 | 918.8 | 918.2 | 917.7 | 917.2 | 917.2 |
| 160° | 931.9 | 932.8 | 933.6 | 934.5 | 935.4 | 935.5 | 935.0 | 934.5 | 934.0 | 933.5 | 933.6 |
| 162.5° | 947.5 | 948.4 | 949.3 | 950.1 | 951.0 | 951.0 | 950.0 | 949.1 | 948.2 | 947.2 | 947.4 |
| 165° | 967.9 | 968.5 | 969.2 | 969.9 | 970.6 | 970.5 | 969.4 | 968.4 | 967.3 | 966.3 | 966.6 |
| 167.5° | 982.4 | 983.5 | 984.5 | 985.6 | 986.7 | 986.7 | 985.7 | 984.6 | 983.6 | 982.5 | 982.5 |
| 170° | 990.5 | 991.7 | 993.0 | 994.2 | 995.4 | 995.5 | 994.4 | 993.4 | 992.3 | 991.3 | 991.1 |
| 172.5° | 997.4 | 998.6 | 999.8 | 1001.1 | 1002.3 | 1002.3 | 1001.1 | 999.9 | 998.7 | 997.6 | 997.5 |
| 175° | 1004.6 | 1005.8 | 1007.0 | 1008.2 | 1009.5 | 1009.5 | 1008.2 | 1007.0 | 1005.8 | 1004.6 | 1004.8 |
| 177.5° | 1008.3 | 1009.5 | 1010.6 | 1011.7 | 1012.8 | 1012.9 | 1011.9 | 1010.9 | 1009.9 | 1009.0 | 1009.0 |
| 180° | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0° | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 |
| 2.5° | 969.4 | 965.1 | 962.0 | 959.5 | 952.6 | 948.6 | 945.5 | 941.1 | 936.1 | 930.8 | 924.3 |
| 5° | 1024.5 | 1011.2 | 1001.5 | 986.7 | 972.7 | 961.0 | 949.0 | 938.1 | 924.8 | 910.5 | 899.9 |
| 7.5° | 1082.3 | 1062.6 | 1037.4 | 1015.5 | 990.9 | 969.5 | 950.4 | 930.8 | 910.4 | 890.6 | 872.5 |
| 10° | 1119.0 | 1093.7 | 1065.7 | 1032.6 | 1001.5 | 973.9 | 948.2 | 923.3 | 899.2 | 875.0 | 854.4 |
| 12.5° | 1158.5 | 1127.0 | 1085.6 | 1046.9 | 1012.1 | 975.1 | 944.1 | 913.6 | 884.5 | 859.2 | 835.1 |
| 15° | 1211.6 | 1166.1 | 1118.2 | 1066.5 | 1020.6 | 977.4 | 935.0 | 896.4 | 863.8 | 830.3 | 807.0 |
| 17.5° | 1244.2 | 1187.9 | 1133.2 | 1079.1 | 1023.5 | 969.0 | 923.3 | 878.9 | 837.9 | 804.7 | 775.3 |
| 20° | 1265.7 | 1209.7 | 1141.6 | 1087.5 | 1021.3 | 965.3 | 912.4 | 863.0 | 820.2 | 784.8 | 754.4 |
| 22.5° | 1284.4 | 1219.6 | 1151.5 | 1080.3 | 1014.5 | 955.0 | 897.1 | 847.4 | 803.7 | 766.4 | 737.3 |
| 25° | 1294.5 | 1220.2 | 1146.2 | 1075.4 | 1000.7 | 930.3 | 877.8 | 819.4 | 772.7 | 733.4 | 702.3 |
| 27.5° | 1295.6 | 1216.1 | 1132.5 | 1053.8 | 976.7 | 911.1 | 844.8 | 792.6 | 744.2 | 702.6 | 672.7 |
| 30° | 1292.1 | 1209.3 | 1119.4 | 1034.2 | 956.8 | 885.5 | 828.0 | 771.2 | 721.7 | 680.5 | 649.4 |
| 32.5° | 1281.2 | 1194.9 | 1102.6 | 1012.4 | 932.2 | 862.5 | 803.1 | 749.1 | 700.9 | 660.3 | 627.6 |
| 35° | 1249.7 | 1164.5 | 1066.1 | 972.3 | 890.2 | 819.8 | 766.1 | 711.2 | 663.0 | 624.5 | 593.0 |
| 37.5° | 1200.5 | 1123.4 | 1023.4 | 926.3 | 845.7 | 775.0 | 721.7 | 672.2 | 628.7 | 589.5 | 557.2 |
| 40° | 1157.5 | 1089.8 | 989.4 | 894.9 | 807.7 | 740.4 | 690.6 | 645.1 | 601.9 | 564.9 | 534.2 |
| 42.5° | 1108.0 | 1049.0 | 956.4 | 856.3 | 772.2 | 704.6 | 656.1 | 615.2 | 574.5 | 540.4 | 509.6 |
| 45° | 1019.8 | 980.9 | 893.7 | 801.1 | 713.6 | 649.8 | 603.5 | 567.7 | 533.4 | 500.0 | 474.3 |
| 47.5° | 918.3 | 899.0 | 825.6 | 737.7 | 654.6 | 591.7 | 551.6 | 518.5 | 488.5 | 460.1 | 437.5 |
| 50° | 850.1 | 840.8 | 777.4 | 692.6 | 613.2 | 554.1 | 513.6 | 485.2 | 459.5 | 434.6 | 413.2 |
| 52.5° | 782.9 | 782.6 | 725.4 | 647.7 | 574.3 | 517.3 | 477.2 | 450.6 | 428.4 | 408.1 | 388.9 |
| 55° | 680.1 | 691.0 | 646.3 | 577.0 | 511.3 | 459.9 | 423.7 | 400.0 | 384.4 | 367.7 | 353.3 |
| 57.5° | 585.7 | 603.8 | 566.9 | 505.9 | 451.0 | 403.7 | 372.2 | 354.4 | 337.8 | 327.7 | 317.2 |
| 60° | 524.1 | 541.2 | 512.4 | 461.1 | 409.3 | 368.8 | 338.9 | 322.9 | 308.5 | 301.5 | 294.1 |
| 62.5° | 469.3 | 484.6 | 463.2 | 415.6 | 370.7 | 331.8 | 306.5 | 291.2 | 281.5 | 273.8 | 268.9 |
| 65° | 391.0 | 403.9 | 385.6 | 351.0 | 312.4 | 281.3 | 260.7 | 248.6 | 239.3 | 236.2 | 230.7 |
| 67.5° | 316.1 | 327.8 | 317.9 | 288.5 | 257.6 | 234.0 | 217.9 | 206.3 | 200.8 | 198.0 | 194.2 |
| 70° | 271.6 | 283.3 | 272.7 | 247.1 | 223.3 | 203.5 | 188.3 | 181.7 | 175.9 | 174.7 | 169.3 |
| 72.5° | 233.9 | 241.9 | 231.3 | 211.3 | 191.0 | 174.2 | 162.5 | 155.6 | 152.5 | 150.4 | 147.5 |
| 75° | 175.5 | 182.5 | 175.5 | 159.9 | 145.5 | 133.8 | 123.7 | 121.0 | 117.5 | 116.3 | 114.4 |
| 77.5° | 124.2 | 130.3 | 124.9 | 115.2 | 104.4 | 95.4 | 90.0 | 86.5 | 85.7 | 83.7 | 84.6 |
| 80° | 94.9 | 98.8 | 93.8 | 87.2 | 78.6 | 72.4 | 68.5 | 66.5 | 64.2 | 63.4 | 65.0 |
| 82.5° | 68.2 | 69.9 | 67.3 | 62.9 | 56.5 | 52.4 | 49.8 | 47.5 | 47.1 | 47.2 | 47.2 |
| 85° | 35.4 | 35.0 | 34.6 | 30.7 | 28.8 | 26.1 | 24.5 | 24.1 | 23.7 | 24.5 | 25.3 |
| 87.5° | 14.7 | 14.7 | 14.2 | 12.6 | 11.3 | 9.9 | 9.3 | 8.6 | 9.3 | 9.9 | 10.6 |
| 90° | 14.4 | 13.0 | 11.6 | 10.0 | 8.1 | 6.2 | 4.3 | 2.3 | 4.3 | 6.2 | 8.1 |
| 92.5° | 29.0 | 28.0 | 27.1 | 25.5 | 23.3 | 21.1 | 18.9 | 16.7 | 18.9 | 21.1 | 23.3 |
| 95° | 57.0 | 55.8 | 54.6 | 53.2 | 51.6 | 50.0 | 48.5 | 46.9 | 48.5 | 50.0 | 51.6 |
| 97.5° | 91.1 | 89.7 | 88.3 | 86.9 | 85.7 | 84.4 | 83.2 | 81.9 | 83.2 | 84.4 | 85.7 |
| 100° | 116.5 | 114.9 | 113.4 | 112.2 | 111.5 | 110.8 | 110.1 | 109.5 | 110.1 | 110.8 | 111.5 |
| 102.5° | 143.0 | 141.6 | 140.2 | 139.3 | 139.1 | 138.8 | 138.5 | 138.2 | 138.5 | 138.8 | 139.1 |
| 105° | 184.7 | 184.0 | 183.3 | 182.9 | 182.7 | 182.5 | 182.3 | 182.2 | 182.3 | 182.5 | 182.7 |
| 107.5° | 229.5 | 229.4 | 229.3 | 229.1 | 228.9 | 228.7 | 228.5 | 228.3 | 228.5 | 228.7 | 228.9 |
| 110° | 260.7 | 260.9 | 261.0 | 260.9 | 260.6 | 260.2 | 259.9 | 259.6 | 259.9 | 260.2 | 260.6 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 291.6 | 291.9 | 292.2 | 292.4 | 292.3 | 292.2 | 292.1 | 292.1 | 292.1 | 292.2 | 292.3 |
| 115° | 340.0 | 340.3 | 340.7 | 340.9 | 340.9 | 340.9 | 340.9 | 340.9 | 340.9 | 340.9 | 340.9 |
| 117.5° | 386.8 | 387.1 | 387.3 | 387.4 | 387.2 | 387.1 | 387.0 | 386.8 | 387.0 | 387.1 | 387.2 |
| 120° | 419.3 | 419.8 | 420.3 | 420.3 | 419.6 | 418.9 | 418.2 | 417.5 | 418.2 | 418.9 | 419.6 |
| 122.5° | 450.0 | 450.3 | 450.5 | 450.5 | 450.2 | 449.9 | 449.6 | 449.4 | 449.6 | 449.9 | 450.2 |
| 125° | 496.0 | 496.2 | 496.3 | 496.4 | 496.4 | 496.4 | 496.4 | 496.4 | 496.4 | 496.4 | 496.4 |
| 127.5° | 540.8 | 541.0 | 541.3 | 541.2 | 540.7 | 540.2 | 539.6 | 539.1 | 539.6 | 540.2 | 540.7 |
| 130° | 571.5 | 571.5 | 571.5 | 571.2 | 570.7 | 570.2 | 569.7 | 569.1 | 569.7 | 570.2 | 570.7 |
| 132.5° | 601.2 | 601.3 | 601.4 | 601.3 | 600.9 | 600.6 | 600.2 | 599.8 | 600.2 | 600.6 | 600.9 |
| 135° | 645.0 | 645.0 | 645.0 | 644.5 | 643.4 | 642.4 | 641.3 | 640.3 | 641.3 | 642.4 | 643.4 |
| 137.5° | 687.3 | 687.0 | 686.7 | 686.3 | 685.8 | 685.3 | 684.9 | 684.4 | 684.9 | 685.3 | 685.8 |
| 140° | 715.3 | 715.3 | 715.3 | 715.2 | 714.8 | 714.5 | 714.1 | 713.8 | 714.1 | 714.5 | 714.8 |
| 142.5° | 741.9 | 742.0 | 742.2 | 742.1 | 741.7 | 741.4 | 741.0 | 740.7 | 741.0 | 741.4 | 741.7 |
| 145° | 781.4 | 781.3 | 781.1 | 780.7 | 780.0 | 779.3 | 778.6 | 777.9 | 778.6 | 779.3 | 780.0 |
| 147.5° | 818.2 | 818.3 | 818.5 | 818.1 | 817.3 | 816.4 | 815.6 | 814.8 | 815.6 | 816.4 | 817.3 |
| 150° | 840.4 | 840.4 | 840.4 | 840.1 | 839.4 | 838.7 | 838.0 | 837.3 | 838.0 | 838.7 | 839.4 |
| 152.5° | 860.8 | 860.6 | 860.5 | 860.2 | 859.8 | 859.4 | 859.0 | 858.6 | 859.0 | 859.4 | 859.8 |
| 155° | 890.8 | 891.0 | 891.1 | 891.2 | 891.2 | 891.2 | 891.2 | 891.2 | 891.2 | 891.2 | 891.2 |
| 157.5° | 917.3 | 917.3 | 917.3 | 917.5 | 917.8 | 918.1 | 918.4 | 918.8 | 918.4 | 918.1 | 917.8 |
| 160° | 933.8 | 934.0 | 934.1 | 934.3 | 934.5 | 934.7 | 934.8 | 935.0 | 934.8 | 934.7 | 934.5 |
| 162.5° | 947.6 | 947.7 | 947.9 | 948.2 | 948.7 | 949.1 | 949.6 | 950.0 | 949.6 | 949.1 | 948.7 |
| 165° | 967.0 | 967.3 | 967.7 | 968.1 | 968.6 | 969.2 | 969.7 | 970.2 | 969.7 | 969.2 | 968.6 |
| 167.5° | 982.5 | 982.4 | 982.4 | 982.8 | 983.5 | 984.2 | 984.9 | 985.7 | 984.9 | 984.2 | 983.5 |
| 170° | 991.0 | 990.8 | 990.6 | 991.0 | 991.8 | 992.7 | 993.6 | 994.4 | 993.6 | 992.7 | 991.8 |
| 172.5° | 997.5 | 997.5 | 997.4 | 997.8 | 998.5 | 999.2 | 1000.0 | 1000.7 | 1000.0 | 999.2 | 998.5 |
| 175° | 1004.9 | 1005.1 | 1005.3 | 1005.8 | 1006.7 | 1007.5 | 1008.4 | 1009.3 | 1008.4 | 1007.5 | 1006.7 |
| 177.5° | 1009.0 | 1009.0 | 1009.0 | 1009.3 | 1010.0 | 1010.7 | 1011.4 | 1012.1 | 1011.4 | 1010.7 | 1010.0 |
| 180° | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 |
| 2.5° | 921.2 | 918.4 | 914.3 | 908.7 | 904.1 | 899.1 | 897.8 | 896.0 | 899.7 | 896.6 | 895.7 |
| 5° | 891.0 | 882.8 | 872.3 | 860.3 | 853.3 | 843.1 | 841.2 | 837.3 | 833.4 | 833.0 | 829.1 |
| 7.5° | 859.0 | 847.0 | 833.3 | 821.0 | 809.6 | 798.6 | 791.3 | 789.8 | 784.0 | 780.7 | 776.8 |
| 10° | 838.5 | 823.7 | 807.7 | 796.1 | 782.8 | 771.2 | 763.0 | 758.3 | 754.4 | 750.1 | 746.3 |
| 12.5° | 814.2 | 798.5 | 785.3 | 772.7 | 757.0 | 748.1 | 734.7 | 726.6 | 725.8 | 725.9 | 715.8 |
| 15° | 785.9 | 770.4 | 750.1 | 732.3 | 723.7 | 706.6 | 699.2 | 689.8 | 684.0 | 678.2 | 673.5 |
| 17.5° | 753.7 | 734.3 | 718.5 | 697.9 | 681.6 | 668.0 | 658.2 | 652.6 | 643.9 | 635.6 | 629.6 |
| 20° | 733.4 | 712.8 | 696.1 | 674.3 | 656.4 | 639.7 | 631.5 | 623.7 | 617.1 | 610.1 | 603.5 |
| 22.5° | 712.9 | 691.3 | 670.9 | 649.7 | 633.0 | 615.4 | 607.5 | 596.9 | 590.6 | 586.7 | 580.1 |
| 25° | 680.5 | 657.2 | 633.8 | 613.6 | 596.5 | 580.9 | 570.4 | 562.2 | 555.2 | 552.1 | 547.8 |
| 27.5° | 645.3 | 622.1 | 599.6 | 576.6 | 557.2 | 545.9 | 537.5 | 531.3 | 527.3 | 523.2 | 521.2 |
| 30° | 622.9 | 598.8 | 574.7 | 553.3 | 535.4 | 524.1 | 516.3 | 512.0 | 508.9 | 507.0 | 505.0 |
| 32.5° | 600.2 | 576.4 | 551.0 | 531.5 | 515.5 | 505.4 | 499.5 | 495.2 | 493.7 | 493.0 | 492.3 |
| 35° | 563.8 | 539.7 | 516.3 | 498.8 | 483.6 | 479.7 | 474.7 | 472.3 | 471.6 | 474.3 | 475.5 |
| 37.5° | 528.5 | 506.1 | 484.6 | 467.7 | 457.7 | 452.0 | 450.3 | 450.4 | 453.2 | 455.6 | 458.4 |
| 40° | 505.8 | 484.0 | 463.8 | 449.0 | 439.7 | 436.2 | 435.4 | 437.3 | 440.4 | 443.2 | 446.3 |
| 42.5° | 483.7 | 462.2 | 443.9 | 430.0 | 423.5 | 420.3 | 420.8 | 422.7 | 427.1 | 430.4 | 435.1 |
| 45° | 449.4 | 431.5 | 413.6 | 402.3 | 396.9 | 397.6 | 397.6 | 401.1 | 405.4 | 410.5 | 415.5 |
| 47.5° | 417.1 | 399.0 | 384.3 | 374.8 | 372.0 | 371.3 | 373.5 | 378.1 | 384.3 | 390.5 | 397.6 |
| 50° | 395.3 | 378.2 | 365.3 | 356.8 | 353.7 | 354.8 | 358.0 | 362.2 | 369.6 | 377.4 | 384.8 |
| 52.5° | 373.2 | 357.6 | 345.7 | 337.8 | 335.6 | 337.7 | 340.8 | 347.6 | 354.1 | 362.5 | 371.4 |
| 55° | 338.9 | 325.7 | 316.3 | 310.5 | 309.7 | 310.9 | 314.4 | 321.8 | 331.1 | 341.6 | 350.2 |
| 57.5° | 304.7 | 293.7 | 285.1 | 281.1 | 281.5 | 282.6 | 288.3 | 297.1 | 307.1 | 318.3 | 329.3 |
| 60° | 281.7 | 271.6 | 264.6 | 261.5 | 261.9 | 264.2 | 271.2 | 279.4 | 291.8 | 302.7 | 314.4 |
| 62.5° | 259.9 | 251.0 | 244.3 | 241.5 | 241.0 | 246.1 | 252.8 | 261.3 | 273.8 | 285.9 | 298.5 |
| 65° | 224.9 | 217.9 | 212.4 | 210.9 | 212.0 | 215.9 | 224.5 | 235.8 | 246.3 | 259.1 | 272.4 |
| 67.5° | 190.6 | 184.9 | 181.2 | 181.9 | 183.3 | 189.0 | 196.2 | 205.9 | 217.8 | 231.1 | 244.2 |
| 70° | 168.9 | 163.4 | 160.3 | 160.7 | 163.0 | 170.0 | 176.3 | 186.0 | 198.8 | 212.4 | 223.3 |
| 72.5° | 146.5 | 142.9 | 140.1 | 141.7 | 144.0 | 148.9 | 156.6 | 166.4 | 177.7 | 190.3 | 201.9 |
| 75° | 112.4 | 112.4 | 110.9 | 112.1 | 115.6 | 120.2 | 126.1 | 136.2 | 147.5 | 157.6 | 166.9 |
| 77.5° | 83.4 | 82.6 | 83.6 | 85.0 | 87.0 | 92.5 | 99.2 | 106.5 | 114.9 | 125.1 | 132.8 |
| 80° | 63.8 | 64.2 | 66.1 | 68.5 | 69.3 | 73.5 | 80.5 | 87.2 | 93.8 | 102.3 | 109.7 |
| 82.5° | 47.9 | 48.3 | 49.3 | 52.3 | 53.1 | 57.7 | 62.2 | 68.8 | 74.8 | 80.5 | 86.7 |
| 85° | 26.1 | 26.1 | 28.0 | 29.2 | 31.1 | 34.2 | 37.0 | 40.9 | 46.3 | 50.2 | 56.0 |
| 87.5° | 12.0 | 12.3 | 13.8 | 14.7 | 15.9 | 17.8 | 18.6 | 22.2 | 23.7 | 25.4 | 28.4 |
| 90° | 10.0 | 11.6 | 13.0 | 14.4 | 15.8 | 17.2 | 18.2 | 19.3 | 20.3 | 21.4 | 22.1 |
| 92.5° | 25.5 | 27.1 | 28.0 | 29.0 | 30.0 | 31.0 | 31.6 | 32.2 | 32.8 | 33.5 | 33.9 |
| 95° | 53.2 | 54.6 | 55.8 | 57.0 | 58.2 | 59.4 | 59.9 | 60.5 | 61.0 | 61.5 | 61.8 |
| 97.5° | 86.9 | 88.3 | 89.7 | 91.1 | 92.5 | 94.0 | 94.6 | 95.2 | 95.8 | 96.5 | 96.8 |
| 100° | 112.2 | 113.4 | 114.9 | 116.5 | 118.0 | 119.6 | 120.0 | 120.3 | 120.7 | 121.0 | 121.2 |
| 102.5° | 139.3 | 140.2 | 141.6 | 143.0 | 144.5 | 145.9 | 146.4 | 146.9 | 147.3 | 147.8 | 148.1 |
| 105° | 182.9 | 183.3 | 184.0 | 184.7 | 185.4 | 186.1 | 186.6 | 187.1 | 187.6 | 188.1 | 188.7 |
| 107.5° | 229.1 | 229.3 | 229.4 | 229.5 | 229.6 | 229.7 | 230.2 | 230.7 | 231.1 | 231.6 | 231.9 |
| 110° | 260.9 | 261.0 | 260.9 | 260.7 | 260.5 | 260.3 | 260.0 | 259.6 | 259.3 | 258.9 | 259.0 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 292.4 | 292.2 | 291.9 | 291.6 | 291.3 | 291.0 | 290.9 | 290.8 | 290.8 | 290.7 | 290.7 |
| 115° | 340.9 | 340.7 | 340.3 | 340.0 | 339.6 | 339.3 | 339.1 | 338.9 | 338.8 | 338.6 | 338.4 |
| 117.5° | 387.4 | 387.3 | 387.1 | 386.8 | 386.6 | 386.4 | 385.8 | 385.2 | 384.6 | 384.0 | 383.5 |
| 120° | 420.3 | 420.3 | 419.8 | 419.3 | 418.8 | 418.3 | 417.4 | 416.5 | 415.6 | 414.8 | 414.5 |
| 122.5° | 450.5 | 450.5 | 450.3 | 450.0 | 449.8 | 449.5 | 448.9 | 448.3 | 447.8 | 447.2 | 446.6 |
| 125° | 496.4 | 496.3 | 496.2 | 496.0 | 495.8 | 495.7 | 495.3 | 495.0 | 494.6 | 494.3 | 493.9 |
| 127.5° | 541.2 | 541.3 | 541.0 | 540.8 | 540.5 | 540.2 | 539.9 | 539.5 | 539.2 | 538.8 | 538.5 |
| 130° | 571.2 | 571.5 | 571.5 | 571.5 | 571.5 | 571.5 | 571.1 | 570.8 | 570.4 | 570.1 | 569.6 |
| 132.5° | 601.3 | 601.4 | 601.3 | 601.2 | 601.0 | 600.9 | 600.5 | 600.2 | 599.8 | 599.5 | 599.2 |
| 135° | 644.5 | 645.0 | 645.0 | 645.0 | 645.0 | 645.0 | 644.6 | 644.3 | 643.9 | 643.6 | 643.1 |
| 137.5° | 686.3 | 686.7 | 687.0 | 687.3 | 687.5 | 687.8 | 687.4 | 686.9 | 686.5 | 686.0 | 685.8 |
| 140° | 715.2 | 715.3 | 715.3 | 715.3 | 715.3 | 715.3 | 715.2 | 715.0 | 714.8 | 714.6 | 714.5 |
| 142.5° | 742.1 | 742.2 | 742.0 | 741.9 | 741.7 | 741.6 | 741.6 | 741.5 | 741.5 | 741.5 | 741.4 |
| 145° | 780.7 | 781.1 | 781.3 | 781.4 | 781.6 | 781.8 | 781.6 | 781.4 | 781.3 | 781.1 | 780.7 |
| 147.5° | 818.1 | 818.5 | 818.3 | 818.2 | 818.0 | 817.9 | 817.8 | 817.6 | 817.5 | 817.3 | 817.2 |
| 150° | 840.1 | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 | 840.3 |
| 152.5° | 860.2 | 860.5 | 860.6 | 860.8 | 860.9 | 861.1 | 861.5 | 861.9 | 862.3 | 862.7 | 862.7 |
| 155° | 891.2 | 891.1 | 891.0 | 890.8 | 890.6 | 890.5 | 891.1 | 891.8 | 892.5 | 893.2 | 893.2 |
| 157.5° | 917.5 | 917.3 | 917.3 | 917.3 | 917.2 | 917.2 | 917.7 | 918.2 | 918.8 | 919.3 | 919.2 |
| 160° | 934.3 | 934.1 | 934.0 | 933.8 | 933.6 | 933.5 | 934.0 | 934.5 | 935.0 | 935.5 | 935.4 |
| 162.5° | 948.2 | 947.9 | 947.7 | 947.6 | 947.4 | 947.2 | 948.2 | 949.1 | 950.0 | 951.0 | 951.0 |
| 165° | 968.1 | 967.7 | 967.3 | 967.0 | 966.6 | 966.3 | 967.3 | 968.4 | 969.4 | 970.5 | 970.6 |
| 167.5° | 982.8 | 982.4 | 982.4 | 982.5 | 982.5 | 982.5 | 983.6 | 984.6 | 985.7 | 986.7 | 986.7 |
| 170° | 991.0 | 990.6 | 990.8 | 991.0 | 991.1 | 991.3 | 992.3 | 993.4 | 994.4 | 995.5 | 995.4 |
| 172.5° | 997.8 | 997.4 | 997.5 | 997.5 | 997.5 | 997.6 | 998.7 | 999.9 | 1001.1 | 1002.3 | 1002.3 |
| 175° | 1005.8 | 1005.3 | 1005.1 | 1004.9 | 1004.8 | 1004.6 | 1005.8 | 1007.0 | 1008.2 | 1009.5 | 1009.5 |
| 177.5° | 1009.3 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.9 | 1010.9 | 1011.9 | 1012.9 | 1012.8 |
| 180° | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 |
| 2.5° | 895.0 | 894.4 | 892.2 | 891.9 | 892.2 | 894.4 | 895.0 | 895.7 | 896.6 | 899.7 | 896.0 |
| 5° | 826.8 | 824.9 | 823.7 | 828.0 | 823.7 | 824.9 | 826.8 | 829.1 | 833.0 | 833.4 | 837.3 |
| 7.5° | 775.4 | 773.8 | 770.4 | 769.3 | 770.4 | 773.8 | 775.4 | 776.8 | 780.7 | 784.0 | 789.8 |
| 10° | 742.4 | 740.8 | 737.7 | 736.9 | 737.7 | 740.8 | 742.4 | 746.3 | 750.1 | 754.4 | 758.3 |
| 12.5° | 710.6 | 707.5 | 706.9 | 707.7 | 706.9 | 707.5 | 710.6 | 715.8 | 725.9 | 725.8 | 726.6 |
| 15° | 668.4 | 666.9 | 662.6 | 663.8 | 662.6 | 666.9 | 668.4 | 673.5 | 678.2 | 684.0 | 689.8 |
| 17.5° | 626.9 | 625.0 | 619.8 | 624.4 | 619.8 | 625.0 | 626.9 | 629.6 | 635.6 | 643.9 | 652.6 |
| 20° | 600.7 | 597.6 | 594.9 | 594.5 | 594.9 | 597.6 | 600.7 | 603.5 | 610.1 | 617.1 | 623.7 |
| 22.5° | 575.8 | 573.0 | 572.8 | 570.2 | 572.8 | 573.0 | 575.8 | 580.1 | 586.7 | 590.6 | 596.9 |
| 25° | 544.7 | 542.0 | 541.2 | 539.3 | 541.2 | 542.0 | 544.7 | 547.8 | 552.1 | 555.2 | 562.2 |
| 27.5° | 520.8 | 519.5 | 518.1 | 518.7 | 518.1 | 519.5 | 520.8 | 521.2 | 523.2 | 527.3 | 531.3 |
| 30° | 506.2 | 505.8 | 505.0 | 505.0 | 505.0 | 505.8 | 506.2 | 505.0 | 507.0 | 508.9 | 512.0 |
| 32.5° | 494.1 | 494.0 | 494.4 | 494.4 | 494.4 | 494.0 | 494.1 | 492.3 | 493.0 | 493.7 | 495.2 |
| 35° | 477.0 | 478.2 | 479.0 | 477.8 | 479.0 | 478.2 | 477.0 | 475.5 | 474.3 | 471.6 | 472.3 |
| 37.5° | 461.6 | 462.8 | 463.9 | 465.2 | 463.9 | 462.8 | 461.6 | 458.4 | 455.6 | 453.2 | 450.4 |
| 40° | 449.8 | 452.5 | 453.3 | 455.2 | 453.3 | 452.5 | 449.8 | 446.3 | 443.2 | 440.4 | 437.3 |
| 42.5° | 438.6 | 441.6 | 443.6 | 444.0 | 443.6 | 441.6 | 438.6 | 435.1 | 430.4 | 427.1 | 422.7 |
| 45° | 421.4 | 424.5 | 427.2 | 427.2 | 427.2 | 424.5 | 421.4 | 415.5 | 410.5 | 405.4 | 401.1 |
| 47.5° | 403.6 | 408.1 | 410.8 | 411.5 | 410.8 | 408.1 | 403.6 | 397.6 | 390.5 | 384.3 | 378.1 |
| 50° | 391.4 | 396.9 | 399.6 | 401.5 | 399.6 | 396.9 | 391.4 | 384.8 | 377.4 | 369.6 | 362.2 |
| 52.5° | 379.6 | 385.0 | 388.7 | 389.7 | 388.7 | 385.0 | 379.6 | 371.4 | 362.5 | 354.1 | 347.6 |
| 55° | 359.1 | 366.9 | 371.2 | 372.7 | 371.2 | 366.9 | 359.1 | 350.2 | 341.6 | 331.1 | 321.8 |
| 57.5° | 339.8 | 347.0 | 352.0 | 353.1 | 352.0 | 347.0 | 339.8 | 329.3 | 318.3 | 307.1 | 297.1 |
| 60° | 324.9 | 332.7 | 338.9 | 340.1 | 338.9 | 332.7 | 324.9 | 314.4 | 302.7 | 291.8 | 279.4 |
| 62.5° | 309.6 | 317.7 | 323.3 | 326.4 | 323.3 | 317.7 | 309.6 | 298.5 | 285.9 | 273.8 | 261.3 |
| 65° | 283.3 | 291.4 | 296.9 | 298.0 | 296.9 | 291.4 | 283.3 | 272.4 | 259.1 | 246.3 | 235.8 |
| 67.5° | 254.5 | 262.6 | 266.2 | 268.5 | 266.2 | 262.6 | 254.5 | 244.2 | 231.1 | 217.8 | 205.9 |
| 70° | 234.2 | 240.8 | 244.7 | 246.7 | 244.7 | 240.8 | 234.2 | 223.3 | 212.4 | 198.8 | 186.0 |
| 72.5° | 211.2 | 218.1 | 222.6 | 223.0 | 222.6 | 218.1 | 211.2 | 201.9 | 190.3 | 177.7 | 166.4 |
| 75° | 175.9 | 182.1 | 184.4 | 184.4 | 184.4 | 182.1 | 175.9 | 166.9 | 157.6 | 147.5 | 136.2 |
| 77.5° | 139.2 | 142.4 | 145.4 | 146.0 | 145.4 | 142.4 | 139.2 | 132.8 | 125.1 | 114.9 | 106.5 |
| 80° | 115.6 | 117.5 | 119.8 | 119.8 | 119.8 | 117.5 | 115.6 | 109.7 | 102.3 | 93.8 | 87.2 |
| 82.5° | 91.3 | 92.9 | 95.2 | 94.9 | 95.2 | 92.9 | 91.3 | 86.7 | 80.5 | 74.8 | 68.8 |
| 85° | 55.2 | 58.8 | 58.4 | 57.6 | 58.4 | 58.8 | 55.2 | 56.0 | 50.2 | 46.3 | 40.9 |
| 87.5° | 29.4 | 29.8 | 30.8 | 31.5 | 30.8 | 29.8 | 29.4 | 28.4 | 25.4 | 23.7 | 22.2 |
| 90° | 22.4 | 22.8 | 23.1 | 23.5 | 23.1 | 22.8 | 22.4 | 22.1 | 21.4 | 20.3 | 19.3 |
| 92.5° | 34.1 | 34.3 | 34.5 | 34.7 | 34.5 | 34.3 | 34.1 | 33.9 | 33.5 | 32.8 | 32.2 |
| 95° | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.5 | 61.0 | 60.5 |
| 97.5° | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.5 | 95.8 | 95.2 |
| 100° | 121.2 | 121.2 | 121.2 | 121.2 | 121.2 | 121.2 | 121.2 | 121.2 | 121.0 | 120.7 | 120.3 |
| 102.5° | 148.3 | 148.4 | 148.6 | 148.7 | 148.6 | 148.4 | 148.3 | 148.1 | 147.8 | 147.3 | 146.9 |
| 105° | 189.2 | 189.7 | 190.2 | 190.8 | 190.2 | 189.7 | 189.2 | 188.7 | 188.1 | 187.6 | 187.1 |
| 107.5° | 231.8 | 231.8 | 231.8 | 231.7 | 231.8 | 231.8 | 231.8 | 231.9 | 231.6 | 231.1 | 230.7 |
| 110° | 259.6 | 260.1 | 260.6 | 261.1 | 260.6 | 260.1 | 259.6 | 259.0 | 258.9 | 259.3 | 259.6 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 290.8 | 290.9 | 291.0 | 291.1 | 291.0 | 290.9 | 290.8 | 290.7 | 290.7 | 290.8 | 290.8 |
| 115° | 338.3 | 338.1 | 337.9 | 337.7 | 337.9 | 338.1 | 338.3 | 338.4 | 338.6 | 338.8 | 338.9 |
| 117.5° | 383.2 | 382.8 | 382.5 | 382.1 | 382.5 | 382.8 | 383.2 | 383.5 | 384.0 | 384.6 | 385.2 |
| 120° | 414.9 | 415.2 | 415.6 | 415.9 | 415.6 | 415.2 | 414.9 | 414.5 | 414.8 | 415.6 | 416.5 |
| 122.5° | 445.9 | 445.3 | 444.7 | 444.1 | 444.7 | 445.3 | 445.9 | 446.6 | 447.2 | 447.8 | 448.3 |
| 125° | 493.6 | 493.2 | 492.9 | 492.5 | 492.9 | 493.2 | 493.6 | 493.9 | 494.3 | 494.6 | 495.0 |
| 127.5° | 538.2 | 538.0 | 537.7 | 537.4 | 537.7 | 538.0 | 538.2 | 538.5 | 538.8 | 539.2 | 539.5 |
| 130° | 568.9 | 568.2 | 567.5 | 566.8 | 567.5 | 568.2 | 568.9 | 569.6 | 570.1 | 570.4 | 570.8 |
| 132.5° | 598.9 | 598.6 | 598.3 | 598.1 | 598.3 | 598.6 | 598.9 | 599.2 | 599.5 | 599.8 | 600.2 |
| 135° | 642.6 | 642.1 | 641.6 | 641.1 | 641.6 | 642.1 | 642.6 | 643.1 | 643.6 | 643.9 | 644.3 |
| 137.5° | 685.9 | 686.0 | 686.1 | 686.3 | 686.1 | 686.0 | 685.9 | 685.8 | 686.0 | 686.5 | 686.9 |
| 140° | 714.3 | 714.1 | 713.9 | 713.8 | 713.9 | 714.1 | 714.3 | 714.5 | 714.6 | 714.8 | 715.0 |
| 142.5° | 741.4 | 741.4 | 741.3 | 741.3 | 741.3 | 741.4 | 741.4 | 741.4 | 741.5 | 741.5 | 741.5 |
| 145° | 780.2 | 779.7 | 779.2 | 778.7 | 779.2 | 779.7 | 780.2 | 780.7 | 781.1 | 781.3 | 781.4 |
| 147.5° | 817.0 | 816.8 | 816.7 | 816.5 | 816.7 | 816.8 | 817.0 | 817.2 | 817.3 | 817.5 | 817.6 |
| 150° | 840.2 | 840.0 | 839.8 | 839.6 | 839.8 | 840.0 | 840.2 | 840.3 | 840.4 | 840.4 | 840.4 |
| 152.5° | 862.3 | 861.8 | 861.4 | 860.9 | 861.4 | 861.8 | 862.3 | 862.7 | 862.7 | 862.3 | 861.9 |
| 155° | 892.5 | 891.8 | 891.1 | 890.5 | 891.1 | 891.8 | 892.5 | 893.2 | 893.2 | 892.5 | 891.8 |
| 157.5° | 918.7 | 918.1 | 917.5 | 916.9 | 917.5 | 918.1 | 918.7 | 919.2 | 919.3 | 918.8 | 918.2 |
| 160° | 934.5 | 933.6 | 932.8 | 931.9 | 932.8 | 933.6 | 934.5 | 935.4 | 935.5 | 935.0 | 934.5 |
| 162.5° | 950.1 | 949.3 | 948.4 | 947.5 | 948.4 | 949.3 | 950.1 | 951.0 | 951.0 | 950.0 | 949.1 |
| 165° | 969.9 | 969.2 | 968.5 | 967.9 | 968.5 | 969.2 | 969.9 | 970.6 | 970.5 | 969.4 | 968.4 |
| 167.5° | 985.6 | 984.5 | 983.5 | 982.4 | 983.5 | 984.5 | 985.6 | 986.7 | 986.7 | 985.7 | 984.6 |
| 170° | 994.2 | 993.0 | 991.7 | 990.5 | 991.7 | 993.0 | 994.2 | 995.4 | 995.5 | 994.4 | 993.4 |
| 172.5° | 1001.1 | 999.8 | 998.6 | 997.4 | 998.6 | 999.8 | 1001.1 | 1002.3 | 1002.3 | 1001.1 | 999.9 |
| 175° | 1008.2 | 1007.0 | 1005.8 | 1004.6 | 1005.8 | 1007.0 | 1008.2 | 1009.5 | 1009.5 | 1008.2 | 1007.0 |
| 177.5° | 1011.7 | 1010.6 | 1009.5 | 1008.3 | 1009.5 | 1010.6 | 1011.7 | 1012.8 | 1012.9 | 1011.9 | 1010.9 |
| 180° | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 |
| 2.5° | 897.8 | 899.1 | 904.1 | 908.7 | 914.3 | 918.4 | 921.2 | 924.3 | 930.8 | 936.1 | 941.1 |
| 5° | 841.2 | 843.1 | 853.3 | 860.3 | 872.3 | 882.8 | 891.0 | 899.9 | 910.5 | 924.8 | 938.1 |
| 7.5° | 791.3 | 798.6 | 809.6 | 821.0 | 833.3 | 847.0 | 859.0 | 872.5 | 890.6 | 910.4 | 930.8 |
| 10° | 763.0 | 771.2 | 782.8 | 796.1 | 807.7 | 823.7 | 838.5 | 854.4 | 875.0 | 899.2 | 923.3 |
| 12.5° | 734.7 | 748.1 | 757.0 | 772.7 | 785.3 | 798.5 | 814.2 | 835.1 | 859.2 | 884.5 | 913.6 |
| 15° | 699.2 | 706.6 | 723.7 | 732.3 | 750.1 | 770.4 | 785.9 | 807.0 | 830.3 | 863.8 | 896.4 |
| 17.5° | 658.2 | 668.0 | 681.6 | 697.9 | 718.5 | 734.3 | 753.7 | 775.3 | 804.7 | 837.9 | 878.9 |
| 20° | 631.5 | 639.7 | 656.4 | 674.3 | 696.1 | 712.8 | 733.4 | 754.4 | 784.8 | 820.2 | 863.0 |
| 22.5° | 607.5 | 615.4 | 633.0 | 649.7 | 670.9 | 691.3 | 712.9 | 737.3 | 766.4 | 803.7 | 847.4 |
| 25° | 570.4 | 580.9 | 596.5 | 613.6 | 633.8 | 657.2 | 680.5 | 702.3 | 733.4 | 772.7 | 819.4 |
| 27.5° | 537.5 | 545.9 | 557.2 | 576.6 | 599.6 | 622.1 | 645.3 | 672.7 | 702.6 | 744.2 | 792.6 |
| 30° | 516.3 | 524.1 | 535.4 | 553.3 | 574.7 | 598.8 | 622.9 | 649.4 | 680.5 | 721.7 | 771.2 |
| 32.5° | 499.5 | 505.4 | 515.5 | 531.5 | 551.0 | 576.4 | 600.2 | 627.6 | 660.3 | 700.9 | 749.1 |
| 35° | 474.7 | 479.7 | 483.6 | 498.8 | 516.3 | 539.7 | 563.8 | 593.0 | 624.5 | 663.0 | 711.2 |
| 37.5° | 450.3 | 452.0 | 457.7 | 467.7 | 484.6 | 506.1 | 528.5 | 557.2 | 589.5 | 628.7 | 672.2 |
| 40° | 435.4 | 436.2 | 439.7 | 449.0 | 463.8 | 484.0 | 505.8 | 534.2 | 564.9 | 601.9 | 645.1 |
| 42.5° | 420.8 | 420.3 | 423.5 | 430.0 | 443.9 | 462.2 | 483.7 | 509.6 | 540.4 | 574.5 | 615.2 |
| 45° | 397.6 | 397.6 | 396.9 | 402.3 | 413.6 | 431.5 | 449.4 | 474.3 | 500.0 | 533.4 | 567.7 |
| 47.5° | 373.5 | 371.3 | 372.0 | 374.8 | 384.3 | 399.0 | 417.1 | 437.5 | 460.1 | 488.5 | 518.5 |
| 50° | 358.0 | 354.8 | 353.7 | 356.8 | 365.3 | 378.2 | 395.3 | 413.2 | 434.6 | 459.5 | 485.2 |
| 52.5° | 340.8 | 337.7 | 335.6 | 337.8 | 345.7 | 357.6 | 373.2 | 388.9 | 408.1 | 428.4 | 450.6 |
| 55° | 314.4 | 310.9 | 309.7 | 310.5 | 316.3 | 325.7 | 338.9 | 353.3 | 367.7 | 384.4 | 400.0 |
| 57.5° | 288.3 | 282.6 | 281.5 | 281.1 | 285.1 | 293.7 | 304.7 | 317.2 | 327.7 | 337.8 | 354.4 |
| 60° | 271.2 | 264.2 | 261.9 | 261.5 | 264.6 | 271.6 | 281.7 | 294.1 | 301.5 | 308.5 | 322.9 |
| 62.5° | 252.8 | 246.1 | 241.0 | 241.5 | 244.3 | 251.0 | 259.9 | 268.9 | 273.8 | 281.5 | 291.2 |
| 65° | 224.5 | 215.9 | 212.0 | 210.9 | 212.4 | 217.9 | 224.9 | 230.7 | 236.2 | 239.3 | 248.6 |
| 67.5° | 196.2 | 189.0 | 183.3 | 181.9 | 181.2 | 184.9 | 190.6 | 194.2 | 198.0 | 200.8 | 206.3 |
| 70° | 176.3 | 170.0 | 163.0 | 160.7 | 160.3 | 163.4 | 168.9 | 169.3 | 174.7 | 175.9 | 181.7 |
| 72.5° | 156.6 | 148.9 | 144.0 | 141.7 | 140.1 | 142.9 | 146.5 | 147.5 | 150.4 | 152.5 | 155.6 |
| 75° | 126.1 | 120.2 | 115.6 | 112.1 | 110.9 | 112.4 | 112.4 | 114.4 | 116.3 | 117.5 | 121.0 |
| 77.5° | 99.2 | 92.5 | 87.0 | 85.0 | 83.6 | 82.6 | 83.4 | 84.6 | 83.7 | 85.7 | 86.5 |
| 80° | 80.5 | 73.5 | 69.3 | 68.5 | 66.1 | 64.2 | 63.8 | 65.0 | 63.4 | 64.2 | 66.5 |
| 82.5° | 62.2 | 57.7 | 53.1 | 52.3 | 49.3 | 48.3 | 47.9 | 47.2 | 47.2 | 47.1 | 47.5 |
| 85° | 37.0 | 34.2 | 31.1 | 29.2 | 28.0 | 26.1 | 26.1 | 25.3 | 24.5 | 23.7 | 24.1 |
| 87.5° | 18.6 | 17.8 | 15.9 | 14.7 | 13.8 | 12.3 | 12.0 | 10.6 | 9.9 | 9.3 | 8.6 |
| 90° | 18.2 | 17.2 | 15.8 | 14.4 | 13.0 | 11.6 | 10.0 | 8.1 | 6.2 | 4.3 | 2.3 |
| 92.5° | 31.6 | 31.0 | 30.0 | 29.0 | 28.0 | 27.1 | 25.5 | 23.3 | 21.1 | 18.9 | 16.7 |
| 95° | 59.9 | 59.4 | 58.2 | 57.0 | 55.8 | 54.6 | 53.2 | 51.6 | 50.0 | 48.5 | 46.9 |
| 97.5° | 94.6 | 94.0 | 92.5 | 91.1 | 89.7 | 88.3 | 86.9 | 85.7 | 84.4 | 83.2 | 81.9 |
| 100° | 120.0 | 119.6 | 118.0 | 116.5 | 114.9 | 113.4 | 112.2 | 111.5 | 110.8 | 110.1 | 109.5 |
| 102.5° | 146.4 | 145.9 | 144.5 | 143.0 | 141.6 | 140.2 | 139.3 | 139.1 | 138.8 | 138.5 | 138.2 |
| 105° | 186.6 | 186.1 | 185.4 | 184.7 | 184.0 | 183.3 | 182.9 | 182.7 | 182.5 | 182.3 | 182.2 |
| 107.5° | 230.2 | 229.7 | 229.6 | 229.5 | 229.4 | 229.3 | 229.1 | 228.9 | 228.7 | 228.5 | 228.3 |
| 110° | 260.0 | 260.3 | 260.5 | 260.7 | 260.9 | 261.0 | 260.9 | 260.6 | 260.2 | 259.9 | 259.6 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 290.9 | 291.0 | 291.3 | 291.6 | 291.9 | 292.2 | 292.4 | 292.3 | 292.2 | 292.1 | 292.1 |
| 115° | 339.1 | 339.3 | 339.6 | 340.0 | 340.3 | 340.7 | 340.9 | 340.9 | 340.9 | 340.9 | 340.9 |
| 117.5° | 385.8 | 386.4 | 386.6 | 386.8 | 387.1 | 387.3 | 387.4 | 387.2 | 387.1 | 387.0 | 386.8 |
| 120° | 417.4 | 418.3 | 418.8 | 419.3 | 419.8 | 420.3 | 420.3 | 419.6 | 418.9 | 418.2 | 417.5 |
| 122.5° | 448.9 | 449.5 | 449.8 | 450.0 | 450.3 | 450.5 | 450.5 | 450.2 | 449.9 | 449.6 | 449.4 |
| 125° | 495.3 | 495.7 | 495.8 | 496.0 | 496.2 | 496.3 | 496.4 | 496.4 | 496.4 | 496.4 | 496.4 |
| 127.5° | 539.9 | 540.2 | 540.5 | 540.8 | 541.0 | 541.3 | 541.2 | 540.7 | 540.2 | 539.6 | 539.1 |
| 130° | 571.1 | 571.5 | 571.5 | 571.5 | 571.5 | 571.5 | 571.2 | 570.7 | 570.2 | 569.7 | 569.1 |
| 132.5° | 600.5 | 600.9 | 601.0 | 601.2 | 601.3 | 601.4 | 601.3 | 600.9 | 600.6 | 600.2 | 599.8 |
| 135° | 644.6 | 645.0 | 645.0 | 645.0 | 645.0 | 645.0 | 644.5 | 643.4 | 642.4 | 641.3 | 640.3 |
| 137.5° | 687.4 | 687.8 | 687.5 | 687.3 | 687.0 | 686.7 | 686.3 | 685.8 | 685.3 | 684.9 | 684.4 |
| 140° | 715.2 | 715.3 | 715.3 | 715.3 | 715.3 | 715.3 | 715.2 | 714.8 | 714.5 | 714.1 | 713.8 |
| 142.5° | 741.6 | 741.6 | 741.7 | 741.9 | 742.0 | 742.2 | 742.1 | 741.7 | 741.4 | 741.0 | 740.7 |
| 145° | 781.6 | 781.8 | 781.6 | 781.4 | 781.3 | 781.1 | 780.7 | 780.0 | 779.3 | 778.6 | 777.9 |
| 147.5° | 817.8 | 817.9 | 818.0 | 818.2 | 818.3 | 818.5 | 818.1 | 817.3 | 816.4 | 815.6 | 814.8 |
| 150° | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 | 840.1 | 839.4 | 838.7 | 838.0 | 837.3 |
| 152.5° | 861.5 | 861.1 | 860.9 | 860.8 | 860.6 | 860.5 | 860.2 | 859.8 | 859.4 | 859.0 | 858.6 |
| 155° | 891.1 | 890.5 | 890.6 | 890.8 | 891.0 | 891.1 | 891.2 | 891.2 | 891.2 | 891.2 | 891.2 |
| 157.5° | 917.7 | 917.2 | 917.2 | 917.3 | 917.3 | 917.3 | 917.5 | 917.8 | 918.1 | 918.4 | 918.8 |
| 160° | 934.0 | 933.5 | 933.6 | 933.8 | 934.0 | 934.1 | 934.3 | 934.5 | 934.7 | 934.8 | 935.0 |
| 162.5° | 948.2 | 947.2 | 947.4 | 947.6 | 947.7 | 947.9 | 948.2 | 948.7 | 949.1 | 949.6 | 950.0 |
| 165° | 967.3 | 966.3 | 966.6 | 967.0 | 967.3 | 967.7 | 968.1 | 968.6 | 969.2 | 969.7 | 970.2 |
| 167.5° | 983.6 | 982.5 | 982.5 | 982.5 | 982.4 | 982.4 | 982.8 | 983.5 | 984.2 | 984.9 | 985.7 |
| 170° | 992.3 | 991.3 | 991.1 | 991.0 | 990.8 | 990.6 | 991.0 | 991.8 | 992.7 | 993.6 | 994.4 |
| 172.5° | 998.7 | 997.6 | 997.5 | 997.5 | 997.5 | 997.4 | 997.8 | 998.5 | 999.2 | 1000.0 | 1000.7 |
| 175° | 1005.8 | 1004.6 | 1004.8 | 1004.9 | 1005.1 | 1005.3 | 1005.8 | 1006.7 | 1007.5 | 1008.4 | 1009.3 |
| 177.5° | 1009.9 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.3 | 1010.0 | 1010.7 | 1011.4 | 1012.1 |
| 180° | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 |
| 2.5° | 945.5 | 948.6 | 952.6 | 959.5 | 962.0 | 965.1 | 969.4 | 969.1 | 970.4 | 975.0 | 985.0 |
| 5° | 949.0 | 961.0 | 972.7 | 986.7 | 1001.5 | 1011.2 | 1024.5 | 1032.6 | 1040.8 | 1051.3 | 1069.2 |
| 7.5° | 950.4 | 969.5 | 990.9 | 1015.5 | 1037.4 | 1062.6 | 1082.3 | 1100.8 | 1117.5 | 1139.7 | 1161.0 |
| 10° | 948.2 | 973.9 | 1001.5 | 1032.6 | 1065.7 | 1093.7 | 1119.0 | 1147.8 | 1172.3 | 1199.1 | 1223.3 |
| 12.5° | 944.1 | 975.1 | 1012.1 | 1046.9 | 1085.6 | 1127.0 | 1158.5 | 1187.6 | 1220.2 | 1251.1 | 1288.3 |
| 15° | 935.0 | 977.4 | 1020.6 | 1066.5 | 1118.2 | 1166.1 | 1211.6 | 1249.3 | 1284.4 | 1330.7 | 1379.3 |
| 17.5° | 923.3 | 969.0 | 1023.5 | 1079.1 | 1133.2 | 1187.9 | 1244.2 | 1300.9 | 1345.1 | 1402.6 | 1440.7 |
| 20° | 912.4 | 965.3 | 1021.3 | 1087.5 | 1141.6 | 1209.7 | 1265.7 | 1320.5 | 1381.2 | 1438.4 | 1484.0 |
| 22.5° | 897.1 | 955.0 | 1014.5 | 1080.3 | 1151.5 | 1219.6 | 1284.4 | 1343.9 | 1404.6 | 1466.8 | 1521.9 |
| 25° | 877.8 | 930.3 | 1000.7 | 1075.4 | 1146.2 | 1220.2 | 1294.5 | 1369.2 | 1434.5 | 1500.3 | 1551.7 |
| 27.5° | 844.8 | 911.1 | 976.7 | 1053.8 | 1132.5 | 1216.1 | 1295.6 | 1373.8 | 1442.2 | 1496.3 | 1528.2 |
| 30° | 828.0 | 885.5 | 956.8 | 1034.2 | 1119.4 | 1209.3 | 1292.1 | 1368.8 | 1432.6 | 1475.8 | 1488.6 |
| 32.5° | 803.1 | 862.5 | 932.2 | 1012.4 | 1102.6 | 1194.9 | 1281.2 | 1353.5 | 1406.8 | 1429.4 | 1413.9 |
| 35° | 766.1 | 819.8 | 890.2 | 972.3 | 1066.1 | 1164.5 | 1249.7 | 1310.8 | 1338.1 | 1316.7 | 1263.3 |
| 37.5° | 721.7 | 775.0 | 845.7 | 926.3 | 1023.4 | 1123.4 | 1200.5 | 1244.4 | 1235.4 | 1182.2 | 1102.7 |
| 40° | 690.6 | 740.4 | 807.7 | 894.9 | 989.4 | 1089.8 | 1157.5 | 1181.3 | 1156.4 | 1080.1 | 995.7 |
| 42.5° | 656.1 | 704.6 | 772.2 | 856.3 | 956.4 | 1049.0 | 1108.0 | 1110.0 | 1068.3 | 977.1 | 892.3 |
| 45° | 603.5 | 649.8 | 713.6 | 801.1 | 893.7 | 980.9 | 1019.8 | 1000.7 | 923.7 | 835.7 | 750.5 |
| 47.5° | 551.6 | 591.7 | 654.6 | 737.7 | 825.6 | 899.0 | 918.3 | 884.0 | 801.9 | 716.5 | 637.5 |
| 50° | 513.6 | 554.1 | 613.2 | 692.6 | 777.4 | 840.8 | 850.1 | 804.6 | 724.1 | 638.1 | 576.2 |
| 52.5° | 477.2 | 517.3 | 574.3 | 647.7 | 725.4 | 782.6 | 782.9 | 730.2 | 650.0 | 573.4 | 515.8 |
| 55° | 423.7 | 459.9 | 511.3 | 577.0 | 646.3 | 691.0 | 680.1 | 625.6 | 556.0 | 489.5 | 439.3 |
| 57.5° | 372.2 | 403.7 | 451.0 | 505.9 | 566.9 | 603.8 | 585.7 | 533.3 | 471.1 | 414.7 | 376.6 |
| 60° | 338.9 | 368.8 | 409.3 | 461.1 | 512.4 | 541.2 | 524.1 | 476.6 | 419.4 | 373.9 | 340.8 |
| 62.5° | 306.5 | 331.8 | 370.7 | 415.6 | 463.2 | 484.6 | 469.3 | 422.5 | 373.1 | 331.9 | 305.0 |
| 65° | 260.7 | 281.3 | 312.4 | 351.0 | 385.6 | 403.9 | 391.0 | 347.4 | 309.7 | 280.1 | 258.7 |
| 67.5° | 217.9 | 234.0 | 257.6 | 288.5 | 317.9 | 327.8 | 316.1 | 285.7 | 253.8 | 230.1 | 215.0 |
| 70° | 188.3 | 203.5 | 223.3 | 247.1 | 272.7 | 283.3 | 271.6 | 247.5 | 221.4 | 199.6 | 184.8 |
| 72.5° | 162.5 | 174.2 | 191.0 | 211.3 | 231.3 | 241.9 | 233.9 | 210.7 | 188.7 | 172.5 | 159.9 |
| 75° | 123.7 | 133.8 | 145.5 | 159.9 | 175.5 | 182.5 | 175.5 | 159.5 | 144.3 | 132.3 | 123.3 |
| 77.5° | 90.0 | 95.4 | 104.4 | 115.2 | 124.9 | 130.3 | 124.2 | 113.4 | 104.1 | 95.9 | 91.4 |
| 80° | 68.5 | 72.4 | 78.6 | 87.2 | 93.8 | 98.8 | 94.9 | 86.0 | 78.6 | 73.1 | 71.2 |
| 82.5° | 49.8 | 52.4 | 56.5 | 62.9 | 67.3 | 69.9 | 68.2 | 61.7 | 58.7 | 53.8 | 51.9 |
| 85° | 24.5 | 26.1 | 28.8 | 30.7 | 34.6 | 35.0 | 35.4 | 32.7 | 30.0 | 28.8 | 27.2 |
| 87.5° | 9.3 | 9.9 | 11.3 | 12.6 | 14.2 | 14.7 | 14.7 | 15.0 | 14.0 | 13.9 | 12.9 |
| 90° | 4.3 | 6.2 | 8.1 | 10.0 | 11.6 | 13.0 | 14.4 | 15.8 | 17.2 | 18.2 | 19.3 |
| 92.5° | 18.9 | 21.1 | 23.3 | 25.5 | 27.1 | 28.0 | 29.0 | 30.0 | 31.0 | 31.6 | 32.2 |
| 95° | 48.5 | 50.0 | 51.6 | 53.2 | 54.6 | 55.8 | 57.0 | 58.2 | 59.4 | 59.9 | 60.5 |
| 97.5° | 83.2 | 84.4 | 85.7 | 86.9 | 88.3 | 89.7 | 91.1 | 92.5 | 94.0 | 94.6 | 95.2 |
| 100° | 110.1 | 110.8 | 111.5 | 112.2 | 113.4 | 114.9 | 116.5 | 118.0 | 119.6 | 120.0 | 120.3 |
| 102.5° | 138.5 | 138.8 | 139.1 | 139.3 | 140.2 | 141.6 | 143.0 | 144.5 | 145.9 | 146.4 | 146.9 |
| 105° | 182.3 | 182.5 | 182.7 | 182.9 | 183.3 | 184.0 | 184.7 | 185.4 | 186.1 | 186.6 | 187.1 |
| 107.5° | 228.5 | 228.7 | 228.9 | 229.1 | 229.3 | 229.4 | 229.5 | 229.6 | 229.7 | 230.2 | 230.7 |
| 110° | 259.9 | 260.2 | 260.6 | 260.9 | 261.0 | 260.9 | 260.7 | 260.5 | 260.3 | 260.0 | 259.6 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 292.1 | 292.2 | 292.3 | 292.4 | 292.2 | 291.9 | 291.6 | 291.3 | 291.0 | 290.9 | 290.8 |
| 115° | 340.9 | 340.9 | 340.9 | 340.9 | 340.7 | 340.3 | 340.0 | 339.6 | 339.3 | 339.1 | 338.9 |
| 117.5° | 387.0 | 387.1 | 387.2 | 387.4 | 387.3 | 387.1 | 386.8 | 386.6 | 386.4 | 385.8 | 385.2 |
| 120° | 418.2 | 418.9 | 419.6 | 420.3 | 420.3 | 419.8 | 419.3 | 418.8 | 418.3 | 417.4 | 416.5 |
| 122.5° | 449.6 | 449.9 | 450.2 | 450.5 | 450.5 | 450.3 | 450.0 | 449.8 | 449.5 | 448.9 | 448.3 |
| 125° | 496.4 | 496.4 | 496.4 | 496.4 | 496.3 | 496.2 | 496.0 | 495.8 | 495.7 | 495.3 | 495.0 |
| 127.5° | 539.6 | 540.2 | 540.7 | 541.2 | 541.3 | 541.0 | 540.8 | 540.5 | 540.2 | 539.9 | 539.5 |
| 130° | 569.7 | 570.2 | 570.7 | 571.2 | 571.5 | 571.5 | 571.5 | 571.5 | 571.5 | 571.1 | 570.8 |
| 132.5° | 600.2 | 600.6 | 600.9 | 601.3 | 601.4 | 601.3 | 601.2 | 601.0 | 600.9 | 600.5 | 600.2 |
| 135° | 641.3 | 642.4 | 643.4 | 644.5 | 645.0 | 645.0 | 645.0 | 645.0 | 645.0 | 644.6 | 644.3 |
| 137.5° | 684.9 | 685.3 | 685.8 | 686.3 | 686.7 | 687.0 | 687.3 | 687.5 | 687.8 | 687.4 | 686.9 |
| 140° | 714.1 | 714.5 | 714.8 | 715.2 | 715.3 | 715.3 | 715.3 | 715.3 | 715.3 | 715.2 | 715.0 |
| 142.5° | 741.0 | 741.4 | 741.7 | 742.1 | 742.2 | 742.0 | 741.9 | 741.7 | 741.6 | 741.6 | 741.5 |
| 145° | 778.6 | 779.3 | 780.0 | 780.7 | 781.1 | 781.3 | 781.4 | 781.6 | 781.8 | 781.6 | 781.4 |
| 147.5° | 815.6 | 816.4 | 817.3 | 818.1 | 818.5 | 818.3 | 818.2 | 818.0 | 817.9 | 817.8 | 817.6 |
| 150° | 838.0 | 838.7 | 839.4 | 840.1 | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 | 840.4 |
| 152.5° | 859.0 | 859.4 | 859.8 | 860.2 | 860.5 | 860.6 | 860.8 | 860.9 | 861.1 | 861.5 | 861.9 |
| 155° | 891.2 | 891.2 | 891.2 | 891.2 | 891.1 | 891.0 | 890.8 | 890.6 | 890.5 | 891.1 | 891.8 |
| 157.5° | 918.4 | 918.1 | 917.8 | 917.5 | 917.3 | 917.3 | 917.3 | 917.2 | 917.2 | 917.7 | 918.2 |
| 160° | 934.8 | 934.7 | 934.5 | 934.3 | 934.1 | 934.0 | 933.8 | 933.6 | 933.5 | 934.0 | 934.5 |
| 162.5° | 949.6 | 949.1 | 948.7 | 948.2 | 947.9 | 947.7 | 947.6 | 947.4 | 947.2 | 948.2 | 949.1 |
| 165° | 969.7 | 969.2 | 968.6 | 968.1 | 967.7 | 967.3 | 967.0 | 966.6 | 966.3 | 967.3 | 968.4 |
| 167.5° | 984.9 | 984.2 | 983.5 | 982.8 | 982.4 | 982.4 | 982.5 | 982.5 | 982.5 | 983.6 | 984.6 |
| 170° | 993.6 | 992.7 | 991.8 | 991.0 | 990.6 | 990.8 | 991.0 | 991.1 | 991.3 | 992.3 | 993.4 |
| 172.5° | 1000.0 | 999.2 | 998.5 | 997.8 | 997.4 | 997.5 | 997.5 | 997.5 | 997.6 | 998.7 | 999.9 |
| 175° | 1008.4 | 1007.5 | 1006.7 | 1005.8 | 1005.3 | 1005.1 | 1004.9 | 1004.8 | 1004.6 | 1005.8 | 1007.0 |
| 177.5° | 1011.4 | 1010.7 | 1010.0 | 1009.3 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.9 | 1010.9 |
| 180° | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 | 939.2 |
| 2.5° | 990.0 | 990.6 | 993.4 | 995.6 | 996.2 | 999.3 | 999.6 |
| 5° | 1077.0 | 1083.6 | 1096.4 | 1097.6 | 1099.5 | 1109.7 | 1101.9 |
| 7.5° | 1178.9 | 1195.7 | 1206.9 | 1216.8 | 1220.4 | 1224.8 | 1223.9 |
| 10° | 1244.3 | 1269.2 | 1281.6 | 1301.5 | 1302.3 | 1307.3 | 1304.2 |
| 12.5° | 1310.0 | 1338.9 | 1361.6 | 1365.3 | 1381.9 | 1384.5 | 1388.9 |
| 15° | 1403.0 | 1433.8 | 1465.3 | 1476.6 | 1499.5 | 1505.0 | 1513.5 |
| 17.5° | 1490.5 | 1521.9 | 1544.0 | 1573.2 | 1582.6 | 1595.2 | 1586.7 |
| 20° | 1538.4 | 1572.7 | 1600.7 | 1623.6 | 1633.4 | 1640.4 | 1639.6 |
| 22.5° | 1567.4 | 1601.9 | 1624.6 | 1642.0 | 1651.1 | 1654.1 | 1653.9 |
| 25° | 1585.5 | 1605.4 | 1612.4 | 1619.0 | 1608.9 | 1605.4 | 1606.9 |
| 27.5° | 1535.1 | 1529.9 | 1511.7 | 1487.7 | 1462.8 | 1443.0 | 1432.3 |
| 30° | 1465.7 | 1435.3 | 1407.7 | 1359.5 | 1334.5 | 1319.8 | 1306.5 |
| 32.5° | 1367.3 | 1319.2 | 1266.1 | 1221.9 | 1193.5 | 1171.6 | 1168.3 |
| 35° | 1198.8 | 1126.4 | 1061.4 | 1007.3 | 979.3 | 955.6 | 950.1 |
| 37.5° | 1019.2 | 944.0 | 885.5 | 837.8 | 807.7 | 791.0 | 775.4 |
| 40° | 899.9 | 835.4 | 777.8 | 737.3 | 714.4 | 702.3 | 692.6 |
| 42.5° | 808.1 | 749.1 | 691.9 | 661.0 | 640.3 | 632.9 | 627.2 |
| 45° | 681.3 | 626.4 | 586.7 | 563.4 | 551.3 | 538.9 | 533.0 |
| 47.5° | 579.7 | 535.1 | 508.9 | 489.1 | 476.2 | 468.8 | 465.0 |
| 50° | 522.1 | 485.6 | 462.2 | 447.1 | 435.4 | 429.5 | 426.4 |
| 52.5° | 471.1 | 441.1 | 421.5 | 409.4 | 401.5 | 397.2 | 395.9 |
| 55° | 405.8 | 382.9 | 370.4 | 359.9 | 354.1 | 350.2 | 348.6 |
| 57.5° | 352.7 | 335.1 | 325.0 | 316.3 | 314.1 | 310.8 | 309.7 |
| 60° | 317.9 | 304.3 | 295.7 | 289.9 | 287.9 | 284.0 | 284.8 |
| 62.5° | 287.1 | 275.9 | 268.6 | 265.3 | 262.7 | 259.4 | 260.5 |
| 65° | 242.8 | 234.6 | 230.7 | 227.6 | 224.5 | 222.6 | 224.1 |
| 67.5° | 203.7 | 198.1 | 192.8 | 191.0 | 189.5 | 189.2 | 187.5 |
| 70° | 178.2 | 173.5 | 168.9 | 167.7 | 167.7 | 166.1 | 165.7 |
| 72.5° | 153.6 | 150.2 | 147.1 | 146.2 | 145.0 | 145.6 | 144.0 |
| 75° | 118.7 | 115.9 | 114.8 | 113.6 | 113.2 | 113.2 | 112.1 |
| 77.5° | 87.7 | 85.7 | 83.8 | 83.8 | 82.4 | 81.9 | 81.7 |
| 80° | 66.5 | 65.8 | 64.2 | 64.2 | 63.4 | 63.8 | 63.0 |
| 82.5° | 50.0 | 48.9 | 48.6 | 48.0 | 46.9 | 47.0 | 46.2 |
| 85° | 26.8 | 25.7 | 25.3 | 24.1 | 23.3 | 24.1 | 23.3 |
| 87.5° | 13.4 | 13.3 | 13.1 | 12.6 | 12.3 | 12.4 | 11.5 |
| 90° | 20.3 | 21.4 | 22.1 | 22.4 | 22.8 | 23.1 | 23.5 |
| 92.5° | 32.8 | 33.5 | 33.9 | 34.1 | 34.3 | 34.5 | 34.7 |
| 95° | 61.0 | 61.5 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| 97.5° | 95.8 | 96.5 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 100° | 120.7 | 121.0 | 121.2 | 121.2 | 121.2 | 121.2 | 121.2 |
| 102.5° | 147.3 | 147.8 | 148.1 | 148.3 | 148.4 | 148.6 | 148.7 |
| 105° | 187.6 | 188.1 | 188.7 | 189.2 | 189.7 | 190.2 | 190.8 |
| 107.5° | 231.1 | 231.6 | 231.9 | 231.8 | 231.8 | 231.8 | 231.7 |
| 110° | 259.3 | 258.9 | 259.0 | 259.6 | 260.1 | 260.6 | 261.1 |



TEST NUMBER: P332554

CATALOG NUMBER: S124DIP-S575D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 290.8 | 290.7 | 290.7 | 290.8 | 290.9 | 291.0 | 291.1 |
| 115° | 338.8 | 338.6 | 338.4 | 338.3 | 338.1 | 337.9 | 337.7 |
| 117.5° | 384.6 | 384.0 | 383.5 | 383.2 | 382.8 | 382.5 | 382.1 |
| 120° | 415.6 | 414.8 | 414.5 | 414.9 | 415.2 | 415.6 | 415.9 |
| 122.5° | 447.8 | 447.2 | 446.6 | 445.9 | 445.3 | 444.7 | 444.1 |
| 125° | 494.6 | 494.3 | 493.9 | 493.6 | 493.2 | 492.9 | 492.5 |
| 127.5° | 539.2 | 538.8 | 538.5 | 538.2 | 538.0 | 537.7 | 537.4 |
| 130° | 570.4 | 570.1 | 569.6 | 568.9 | 568.2 | 567.5 | 566.8 |
| 132.5° | 599.8 | 599.5 | 599.2 | 598.9 | 598.6 | 598.3 | 598.1 |
| 135° | 643.9 | 643.6 | 643.1 | 642.6 | 642.1 | 641.6 | 641.1 |
| 137.5° | 686.5 | 686.0 | 685.8 | 685.9 | 686.0 | 686.1 | 686.3 |
| 140° | 714.8 | 714.6 | 714.5 | 714.3 | 714.1 | 713.9 | 713.8 |
| 142.5° | 741.5 | 741.5 | 741.4 | 741.4 | 741.4 | 741.3 | 741.3 |
| 145° | 781.3 | 781.1 | 780.7 | 780.2 | 779.7 | 779.2 | 778.7 |
| 147.5° | 817.5 | 817.3 | 817.2 | 817.0 | 816.8 | 816.7 | 816.5 |
| 150° | 840.4 | 840.4 | 840.3 | 840.2 | 840.0 | 839.8 | 839.6 |
| 152.5° | 862.3 | 862.7 | 862.7 | 862.3 | 861.8 | 861.4 | 860.9 |
| 155° | 892.5 | 893.2 | 893.2 | 892.5 | 891.8 | 891.1 | 890.5 |
| 157.5° | 918.8 | 919.3 | 919.2 | 918.7 | 918.1 | 917.5 | 916.9 |
| 160° | 935.0 | 935.5 | 935.4 | 934.5 | 933.6 | 932.8 | 931.9 |
| 162.5° | 950.0 | 951.0 | 951.0 | 950.1 | 949.3 | 948.4 | 947.5 |
| 165° | 969.4 | 970.5 | 970.6 | 969.9 | 969.2 | 968.5 | 967.9 |
| 167.5° | 985.7 | 986.7 | 986.7 | 985.6 | 984.5 | 983.5 | 982.4 |
| 170° | 994.4 | 995.5 | 995.4 | 994.2 | 993.0 | 991.7 | 990.5 |
| 172.5° | 1001.1 | 1002.3 | 1002.3 | 1001.1 | 999.8 | 998.6 | 997.4 |
| 175° | 1008.2 | 1009.5 | 1009.5 | 1008.2 | 1007.0 | 1005.8 | 1004.6 |
| 177.5° | 1011.9 | 1012.9 | 1012.8 | 1011.7 | 1010.6 | 1009.5 | 1008.3 |
| 180° | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 |

(END OF REPORT)