

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: P331340-940

Luminaire Tested: **S122DIP-S675D530U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331340-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S675D530U940-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 530 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4300.4 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

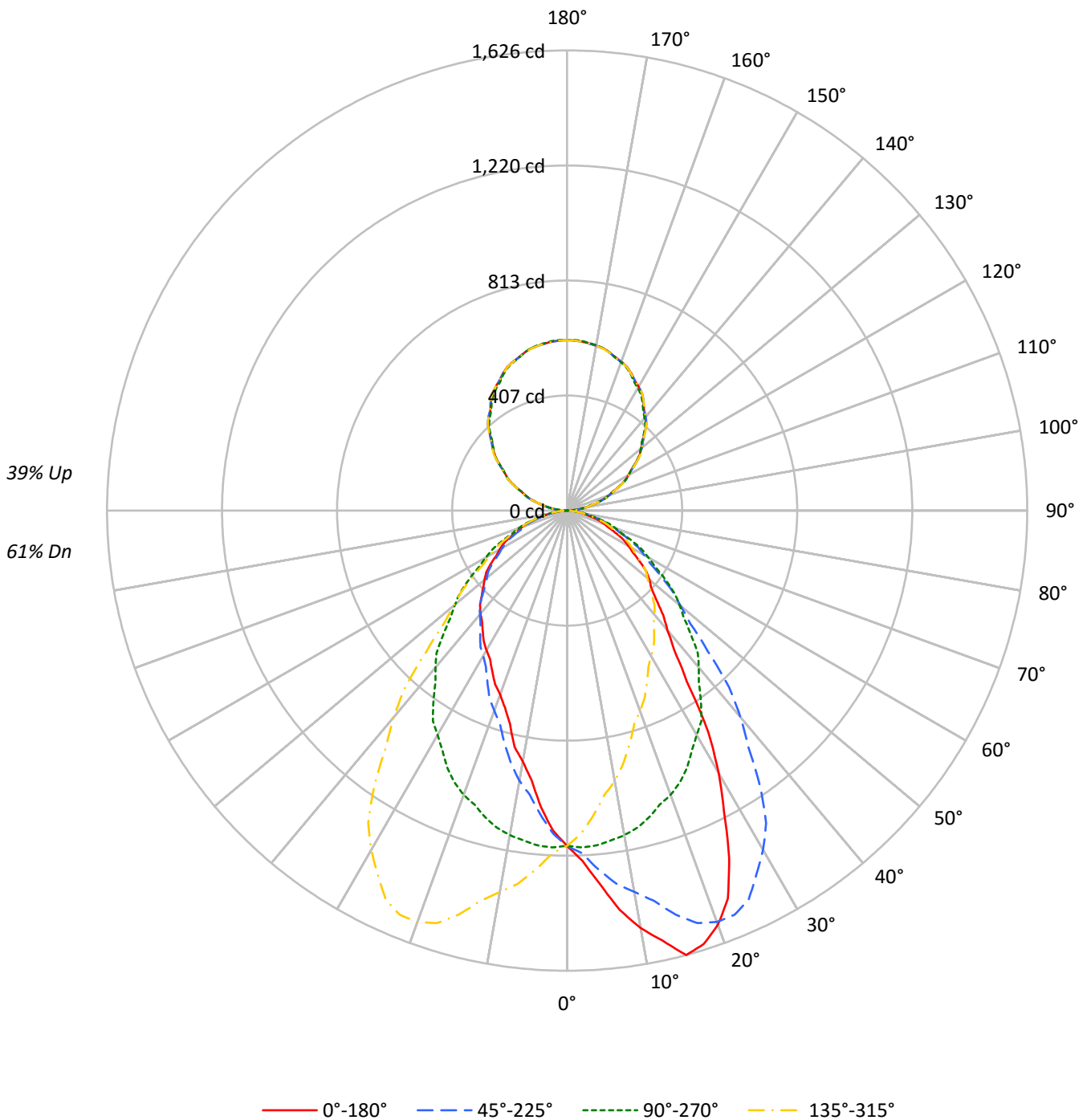
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 89 | 89 | 89 | 77 | 77 | 77 | 66 | 66 | 66 | 61 |
| 1 | 101 | 97 | 93 | 89 | 94 | 91 | 87 | 84 | 79 | 77 | 75 | 69 | 67 | 66 | 59 | 58 | 57 | 52 |
| 2 | 92 | 85 | 79 | 74 | 86 | 80 | 75 | 70 | 70 | 66 | 63 | 61 | 58 | 56 | 53 | 51 | 49 | 45 |
| 3 | 85 | 75 | 68 | 62 | 79 | 71 | 65 | 59 | 62 | 58 | 53 | 55 | 51 | 48 | 47 | 45 | 42 | 39 |
| 4 | 78 | 67 | 59 | 53 | 73 | 63 | 56 | 51 | 56 | 50 | 46 | 49 | 45 | 41 | 43 | 40 | 37 | 34 |
| 5 | 72 | 60 | 52 | 46 | 67 | 57 | 50 | 44 | 50 | 45 | 40 | 44 | 40 | 36 | 39 | 35 | 33 | 30 |
| 6 | 66 | 54 | 46 | 41 | 62 | 51 | 44 | 39 | 46 | 40 | 36 | 40 | 36 | 32 | 35 | 32 | 29 | 26 |
| 7 | 61 | 49 | 41 | 36 | 57 | 47 | 40 | 34 | 42 | 36 | 32 | 37 | 32 | 29 | 33 | 29 | 26 | 24 |
| 8 | 57 | 45 | 37 | 32 | 54 | 43 | 36 | 31 | 38 | 32 | 28 | 34 | 29 | 26 | 30 | 26 | 24 | 21 |
| 9 | 53 | 41 | 34 | 29 | 50 | 39 | 32 | 28 | 35 | 30 | 26 | 31 | 27 | 23 | 28 | 24 | 21 | 19 |
| 10 | 50 | 38 | 31 | 26 | 47 | 36 | 30 | 25 | 33 | 27 | 23 | 29 | 25 | 21 | 26 | 22 | 20 | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 19125 | 19125 | 19125 | 19125 |
| 5° | 21441 | 19248 | 17057 | 19248 |
| 10° | 24568 | 19090 | 14762 | 19090 |
| 15° | 27178 | 18740 | 13041 | 18740 |
| 20° | 26764 | 18364 | 11888 | 18364 |
| 25° | 24134 | 17865 | 11158 | 17865 |
| 30° | 19943 | 17066 | 10625 | 17066 |
| 35° | 14534 | 16232 | 10247 | 16232 |
| 40° | 11609 | 15247 | 10037 | 15247 |
| 45° | 10145 | 14104 | 9750 | 14104 |
| 50° | 9535 | 12999 | 9560 | 12999 |
| 55° | 8791 | 11879 | 9303 | 11879 |
| 60° | 8054 | 10685 | 8909 | 10685 |
| 65° | 7339 | 9616 | 8520 | 9616 |
| 70° | 6661 | 8573 | 7950 | 8573 |
| 75° | 5908 | 7411 | 7043 | 7411 |
| 80° | 5086 | 6137 | 5672 | 6137 |
| 85° | 4557 | 4557 | 3372 | 4557 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 112.8 | 2.6 |
| 10°-20° | 327.9 | 7.6 |
| 20°-30° | 475.9 | 11.1 |
| 30°-40° | 502.2 | 11.7 |
| 40°-50° | 444.7 | 10.3 |
| 50°-60° | 354.9 | 8.3 |
| 60°-70° | 241.2 | 5.6 |
| 70°-80° | 123.7 | 2.9 |
| 80°-90° | 32.2 | 0.7 |
| 90°-100° | 38.2 | 0.9 |
| 100°-110° | 118.6 | 2.8 |
| 110°-120° | 202.7 | 4.7 |
| 120°-130° | 266.6 | 6.2 |
| 130°-140° | 299.2 | 7.0 |
| 140°-150° | 293.4 | 6.8 |
| 150°-160° | 246.1 | 5.7 |
| 160°-170° | 163.2 | 3.8 |
| 170°-180° | 57.0 | 1.3 |
| 0°-30° | 916.7 | 21.3 |
| 0°-40° | 1418.9 | 33.0 |
| 0°-60° | 2218.4 | 51.6 |
| 0°-90° | 2615.5 | 60.8 |
| 90°-120° | 359.5 | 8.4 |
| 90°-150° | 1218.6 | 28.3 |
| 90°-180° | 1685.0 | 39.2 |
| 0°-180° | 4300.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1184 | 1184 | 1184 | 1184 | 1184 | |
| 5° | 1323 | 1188 | 1052 | 1188 | 1323 | 132 |
| 15° | 1626 | 1121 | 780 | 1121 | 1626 | 449 |
| 25° | 1355 | 1003 | 626 | 1003 | 1355 | 612 |
| 35° | 737 | 824 | 520 | 824 | 737 | 480 |
| 45° | 444 | 618 | 427 | 618 | 444 | 349 |
| 55° | 312 | 422 | 330 | 422 | 312 | 280 |
| 65° | 192 | 252 | 223 | 252 | 192 | 191 |
| 75° | 95 | 119 | 113 | 119 | 95 | 101 |
| 85° | 25 | 25 | 18 | 25 | 25 | 27 |
| 90° | 17 | 0 | 17 | 0 | 17 | 9 |
| 95° | 32 | 26 | 32 | 26 | 32 | 35 |
| 105° | 113 | 109 | 113 | 109 | 113 | 119 |
| 115° | 203 | 203 | 203 | 203 | 203 | 201 |
| 125° | 297 | 296 | 297 | 296 | 297 | 265 |
| 135° | 387 | 383 | 387 | 383 | 387 | 298 |
| 145° | 470 | 465 | 470 | 465 | 470 | 293 |
| 155° | 536 | 531 | 536 | 531 | 536 | 246 |
| 165° | 579 | 578 | 579 | 578 | 579 | 163 |
| 175° | 600 | 602 | 600 | 602 | 600 | 57 |
| 180° | 602 | 602 | 602 | 602 | 602 | |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 |
| 2.5° | 1239.0 | 1239.4 | 1240.2 | 1234.3 | 1233.6 | 1233.6 | 1228.5 | 1224.1 | 1219.1 | 1212.1 | 1212.8 |
| 5° | 1322.9 | 1327.8 | 1329.6 | 1324.2 | 1316.0 | 1315.1 | 1307.3 | 1294.6 | 1282.7 | 1273.2 | 1266.4 |
| 7.5° | 1422.8 | 1424.8 | 1420.3 | 1413.1 | 1407.0 | 1396.2 | 1381.7 | 1367.6 | 1347.8 | 1329.7 | 1316.3 |
| 10° | 1498.5 | 1501.3 | 1493.5 | 1483.1 | 1474.4 | 1461.7 | 1440.7 | 1419.3 | 1393.4 | 1368.3 | 1348.3 |
| 12.5° | 1556.0 | 1562.8 | 1552.9 | 1551.5 | 1536.7 | 1519.2 | 1494.2 | 1483.5 | 1446.9 | 1412.0 | 1390.5 |
| 15° | 1625.9 | 1625.5 | 1626.5 | 1617.8 | 1606.9 | 1604.1 | 1577.7 | 1549.1 | 1497.6 | 1477.1 | 1441.6 |
| 17.5° | 1605.8 | 1612.7 | 1615.9 | 1615.8 | 1615.5 | 1613.8 | 1605.3 | 1587.2 | 1561.5 | 1528.2 | 1487.2 |
| 20° | 1557.7 | 1566.8 | 1568.2 | 1578.7 | 1584.6 | 1592.3 | 1595.4 | 1590.5 | 1574.6 | 1546.8 | 1511.3 |
| 22.5° | 1483.5 | 1485.9 | 1490.2 | 1506.5 | 1519.4 | 1538.7 | 1548.9 | 1565.8 | 1559.6 | 1546.0 | 1516.4 |
| 25° | 1354.7 | 1350.1 | 1366.1 | 1374.2 | 1403.8 | 1434.8 | 1457.1 | 1481.7 | 1503.5 | 1516.7 | 1508.1 |
| 27.5° | 1200.1 | 1193.3 | 1217.1 | 1238.9 | 1262.9 | 1296.5 | 1331.2 | 1372.3 | 1406.4 | 1449.1 | 1463.7 |
| 30° | 1069.7 | 1073.8 | 1096.6 | 1119.8 | 1156.2 | 1203.5 | 1242.7 | 1287.8 | 1336.5 | 1384.3 | 1417.5 |
| 32.5° | 929.2 | 944.9 | 959.3 | 994.9 | 1026.9 | 1079.8 | 1137.1 | 1193.5 | 1254.2 | 1308.5 | 1359.9 |
| 35° | 737.4 | 755.6 | 775.7 | 801.6 | 846.7 | 899.0 | 955.0 | 1031.0 | 1113.9 | 1188.1 | 1249.1 |
| 37.5° | 620.7 | 617.8 | 629.3 | 648.0 | 684.6 | 726.7 | 791.2 | 866.4 | 963.9 | 1051.1 | 1137.1 |
| 40° | 550.8 | 548.9 | 557.1 | 574.4 | 602.3 | 633.2 | 689.6 | 755.6 | 846.2 | 952.7 | 1055.2 |
| 42.5° | 502.7 | 503.8 | 508.4 | 520.6 | 539.6 | 565.1 | 607.3 | 663.5 | 746.5 | 846.8 | 956.8 |
| 45° | 444.3 | 447.5 | 452.5 | 458.4 | 469.3 | 490.3 | 513.9 | 554.0 | 619.6 | 703.3 | 811.6 |
| 47.5° | 402.3 | 402.3 | 407.4 | 412.6 | 419.1 | 430.9 | 450.2 | 475.3 | 521.6 | 589.8 | 682.9 |
| 50° | 379.6 | 376.5 | 380.1 | 384.1 | 391.0 | 399.2 | 412.0 | 435.6 | 466.5 | 521.7 | 599.5 |
| 52.5° | 352.0 | 352.0 | 355.3 | 356.9 | 363.0 | 371.1 | 382.8 | 399.2 | 427.2 | 470.3 | 534.3 |
| 55° | 312.3 | 314.5 | 316.4 | 319.1 | 324.6 | 330.5 | 339.6 | 350.5 | 372.4 | 404.7 | 452.0 |
| 57.5° | 274.9 | 275.6 | 277.5 | 282.7 | 286.1 | 291.6 | 300.2 | 310.1 | 324.4 | 348.3 | 383.9 |
| 60° | 249.4 | 249.4 | 253.1 | 255.4 | 259.9 | 265.4 | 272.2 | 281.8 | 294.5 | 314.1 | 342.8 |
| 62.5° | 226.1 | 225.8 | 227.2 | 231.0 | 234.4 | 239.5 | 246.4 | 254.5 | 266.4 | 283.8 | 307.5 |
| 65° | 192.1 | 191.2 | 193.9 | 194.8 | 198.5 | 203.5 | 208.9 | 217.6 | 227.1 | 239.9 | 260.8 |
| 67.5° | 159.3 | 160.4 | 161.8 | 163.6 | 165.6 | 170.9 | 174.5 | 180.7 | 188.7 | 199.3 | 213.5 |
| 70° | 141.1 | 141.1 | 141.1 | 142.5 | 145.2 | 147.9 | 151.6 | 156.6 | 164.3 | 173.4 | 186.2 |
| 72.5° | 120.7 | 122.2 | 123.6 | 122.8 | 126.3 | 127.9 | 132.2 | 135.1 | 142.5 | 148.3 | 159.6 |
| 75° | 94.7 | 94.7 | 94.7 | 96.9 | 98.4 | 99.7 | 102.5 | 105.1 | 108.8 | 116.1 | 122.0 |
| 77.5° | 70.6 | 70.4 | 70.9 | 71.4 | 72.9 | 74.5 | 75.3 | 77.8 | 81.2 | 84.5 | 89.6 |
| 80° | 54.7 | 55.6 | 56.0 | 56.9 | 56.9 | 57.8 | 58.2 | 61.4 | 63.8 | 66.0 | 69.2 |
| 82.5° | 42.3 | 42.4 | 42.5 | 42.7 | 43.1 | 43.6 | 44.8 | 45.8 | 46.6 | 48.5 | 51.0 |
| 85° | 24.6 | 24.2 | 24.2 | 25.1 | 24.6 | 24.6 | 25.5 | 26.4 | 26.4 | 26.8 | 28.2 |
| 87.5° | 12.9 | 12.9 | 13.3 | 12.8 | 12.8 | 13.2 | 13.3 | 12.9 | 13.4 | 13.7 | 13.6 |
| 90° | 17.3 | 17.2 | 17.0 | 16.9 | 16.9 | 16.9 | 17.1 | 17.4 | 17.6 | 17.8 | 15.3 |
| 92.5° | 16.5 | 16.5 | 16.4 | 16.4 | 16.4 | 16.3 | 16.3 | 16.2 | 16.2 | 16.1 | 15.6 |
| 95° | 31.6 | 31.7 | 32.0 | 32.2 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.3 |
| 97.5° | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.3 |
| 100° | 69.6 | 69.8 | 69.9 | 70.0 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 69.8 |
| 102.5° | 86.8 | 86.9 | 86.9 | 87.1 | 87.2 | 87.2 | 87.1 | 87.0 | 86.9 | 86.9 | 86.4 |
| 105° | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 | 112.8 | 112.5 | 112.4 | 112.1 | 111.9 | 111.6 |
| 107.5° | 137.5 | 138.0 | 138.6 | 139.0 | 139.6 | 139.8 | 139.7 | 139.6 | 139.6 | 139.5 | 139.5 |
| 110° | 156.6 | 156.9 | 157.3 | 157.7 | 158.0 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.0 | 175.1 | 175.4 | 175.7 | 175.9 | 176.2 | 176.5 | 176.7 | 177.0 | 177.3 | 177.4 |
| 115° | 203.4 | 203.8 | 204.1 | 204.4 | 204.7 | 205.0 | 205.1 | 205.2 | 205.4 | 205.5 | 205.6 |
| 117.5° | 230.5 | 230.9 | 231.2 | 231.6 | 231.9 | 232.2 | 232.5 | 232.7 | 233.0 | 233.3 | 233.9 |
| 120° | 249.7 | 250.0 | 250.4 | 250.7 | 251.0 | 251.2 | 251.2 | 251.2 | 251.2 | 251.2 | 252.1 |
| 122.5° | 268.4 | 268.7 | 268.9 | 269.1 | 269.4 | 269.7 | 269.9 | 270.2 | 270.5 | 270.7 | 271.3 |
| 125° | 296.9 | 297.0 | 297.2 | 297.3 | 297.4 | 297.7 | 298.0 | 298.3 | 298.6 | 299.0 | 299.3 |
| 127.5° | 323.0 | 323.3 | 323.7 | 324.0 | 324.4 | 324.9 | 325.2 | 325.7 | 326.0 | 326.5 | 326.9 |
| 130° | 341.7 | 342.1 | 342.6 | 343.0 | 343.5 | 343.8 | 344.1 | 344.3 | 344.6 | 344.7 | 345.0 |
| 132.5° | 359.6 | 360.0 | 360.3 | 360.7 | 361.1 | 361.5 | 361.9 | 362.5 | 363.0 | 363.5 | 363.5 |
| 135° | 387.4 | 387.8 | 388.2 | 388.5 | 388.8 | 389.1 | 389.1 | 389.3 | 389.4 | 389.5 | 389.3 |
| 137.5° | 412.7 | 413.1 | 413.6 | 414.0 | 414.5 | 414.7 | 414.8 | 414.9 | 415.0 | 415.1 | 414.8 |
| 140° | 430.2 | 430.6 | 431.1 | 431.5 | 432.0 | 432.2 | 432.2 | 432.2 | 432.2 | 432.2 | 431.7 |
| 142.5° | 446.0 | 446.5 | 446.9 | 447.4 | 447.8 | 448.0 | 447.9 | 447.8 | 447.7 | 447.6 | 447.3 |
| 145° | 469.8 | 470.3 | 470.7 | 471.2 | 471.6 | 471.8 | 471.7 | 471.6 | 471.4 | 471.4 | 470.7 |
| 147.5° | 491.1 | 491.5 | 492.0 | 492.4 | 492.8 | 492.9 | 492.7 | 492.4 | 492.1 | 492.0 | 491.4 |
| 150° | 505.0 | 505.2 | 505.6 | 506.0 | 506.3 | 506.3 | 506.0 | 505.6 | 505.2 | 505.0 | 504.4 |
| 152.5° | 518.0 | 518.4 | 518.8 | 519.2 | 519.7 | 519.7 | 519.2 | 518.8 | 518.4 | 518.0 | 517.4 |
| 155° | 535.5 | 535.7 | 536.1 | 536.5 | 536.8 | 536.7 | 536.1 | 535.6 | 535.0 | 534.4 | 534.0 |
| 157.5° | 550.5 | 551.1 | 551.6 | 552.1 | 552.7 | 552.6 | 551.8 | 551.0 | 550.3 | 549.5 | 549.3 |
| 160° | 559.8 | 560.3 | 560.8 | 561.2 | 561.7 | 561.5 | 560.9 | 560.2 | 559.5 | 558.8 | 558.7 |
| 162.5° | 568.0 | 568.6 | 569.1 | 569.6 | 570.2 | 570.1 | 569.3 | 568.5 | 567.8 | 566.9 | 566.9 |
| 165° | 578.6 | 579.3 | 579.8 | 580.3 | 580.9 | 580.8 | 580.1 | 579.3 | 578.5 | 577.7 | 577.7 |
| 167.5° | 587.4 | 588.0 | 588.6 | 589.2 | 589.8 | 589.7 | 588.9 | 588.1 | 587.3 | 586.5 | 586.5 |
| 170° | 591.9 | 592.5 | 593.3 | 593.9 | 594.6 | 594.5 | 593.8 | 593.0 | 592.2 | 591.4 | 591.5 |
| 172.5° | 595.6 | 596.2 | 596.9 | 597.6 | 598.2 | 598.2 | 597.4 | 596.6 | 595.8 | 595.0 | 595.1 |
| 175° | 599.5 | 600.2 | 600.8 | 601.5 | 602.3 | 602.2 | 601.4 | 600.6 | 599.8 | 599.0 | 599.2 |
| 177.5° | 601.4 | 601.9 | 602.4 | 603.0 | 603.5 | 603.5 | 603.0 | 602.4 | 601.9 | 601.4 | 601.5 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 |
| 2.5° | 1215.4 | 1212.5 | 1210.7 | 1204.1 | 1198.3 | 1192.5 | 1190.6 | 1191.3 | 1183.4 | 1175.7 | 1172.4 |
| 5° | 1262.8 | 1253.7 | 1245.0 | 1232.7 | 1218.2 | 1202.2 | 1194.0 | 1187.6 | 1171.7 | 1154.4 | 1144.4 |
| 7.5° | 1305.2 | 1292.2 | 1275.5 | 1252.3 | 1231.2 | 1206.1 | 1190.2 | 1176.1 | 1152.7 | 1128.4 | 1113.4 |
| 10° | 1331.1 | 1313.2 | 1291.8 | 1263.6 | 1237.7 | 1207.2 | 1185.8 | 1164.4 | 1137.1 | 1108.0 | 1089.8 |
| 12.5° | 1353.3 | 1329.3 | 1308.2 | 1272.0 | 1241.4 | 1203.2 | 1177.8 | 1147.6 | 1118.9 | 1084.3 | 1066.5 |
| 15° | 1406.1 | 1362.0 | 1321.9 | 1280.9 | 1243.1 | 1189.9 | 1161.7 | 1121.1 | 1083.3 | 1040.6 | 1020.1 |
| 17.5° | 1447.0 | 1397.4 | 1334.3 | 1282.2 | 1238.1 | 1179.2 | 1137.7 | 1089.2 | 1044.6 | 995.6 | 967.8 |
| 20° | 1470.3 | 1413.4 | 1345.6 | 1283.7 | 1230.8 | 1163.5 | 1118.5 | 1068.8 | 1016.5 | 961.4 | 931.3 |
| 22.5° | 1484.2 | 1424.3 | 1357.3 | 1278.2 | 1216.3 | 1150.8 | 1094.0 | 1039.6 | 986.6 | 927.2 | 895.6 |
| 25° | 1488.5 | 1433.9 | 1362.9 | 1273.6 | 1198.1 | 1123.9 | 1055.6 | 1002.8 | 938.6 | 883.1 | 837.1 |
| 27.5° | 1466.9 | 1427.7 | 1359.4 | 1265.1 | 1177.1 | 1090.3 | 1014.2 | 954.4 | 886.6 | 826.3 | 780.2 |
| 30° | 1440.3 | 1417.5 | 1351.0 | 1256.3 | 1160.3 | 1067.0 | 983.2 | 915.4 | 848.0 | 787.0 | 739.7 |
| 32.5° | 1399.1 | 1394.2 | 1335.8 | 1243.9 | 1142.5 | 1037.5 | 950.8 | 882.3 | 807.6 | 747.7 | 702.6 |
| 35° | 1318.3 | 1340.2 | 1303.2 | 1216.3 | 1108.8 | 995.5 | 901.8 | 823.5 | 746.1 | 688.8 | 646.4 |
| 37.5° | 1210.0 | 1264.2 | 1254.5 | 1175.8 | 1063.5 | 949.9 | 846.3 | 764.5 | 690.7 | 632.8 | 591.3 |
| 40° | 1135.2 | 1204.4 | 1214.5 | 1144.9 | 1031.5 | 914.5 | 804.8 | 723.4 | 651.4 | 598.6 | 556.7 |
| 42.5° | 1055.2 | 1136.0 | 1163.5 | 1107.7 | 996.5 | 877.4 | 767.7 | 683.2 | 612.1 | 560.7 | 523.6 |
| 45° | 920.9 | 1027.9 | 1077.5 | 1045.6 | 938.2 | 816.2 | 703.3 | 617.7 | 553.0 | 504.8 | 476.2 |
| 47.5° | 795.3 | 912.2 | 978.9 | 967.7 | 873.3 | 752.4 | 640.9 | 558.7 | 495.8 | 457.3 | 431.6 |
| 50° | 706.5 | 826.6 | 907.2 | 910.9 | 826.6 | 706.9 | 594.9 | 517.5 | 459.8 | 423.8 | 402.9 |
| 52.5° | 629.3 | 744.0 | 831.9 | 851.1 | 774.5 | 659.6 | 553.8 | 476.8 | 425.9 | 392.8 | 374.1 |
| 55° | 528.5 | 625.4 | 722.8 | 758.4 | 696.9 | 587.6 | 489.8 | 422.0 | 374.2 | 351.4 | 335.0 |
| 57.5° | 439.3 | 520.2 | 610.2 | 649.4 | 611.5 | 518.0 | 426.2 | 367.4 | 328.6 | 308.6 | 296.0 |
| 60° | 392.4 | 456.1 | 536.2 | 583.1 | 550.4 | 467.1 | 386.9 | 330.9 | 299.1 | 281.3 | 269.5 |
| 62.5° | 348.7 | 405.1 | 472.9 | 515.8 | 497.9 | 419.4 | 347.6 | 298.2 | 270.6 | 254.0 | 245.5 |
| 65° | 287.7 | 332.3 | 384.7 | 424.3 | 412.4 | 352.8 | 294.1 | 251.7 | 229.9 | 216.7 | 209.8 |
| 67.5° | 236.9 | 269.1 | 305.4 | 340.1 | 330.6 | 288.3 | 241.2 | 208.2 | 191.9 | 180.6 | 176.5 |
| 70° | 204.8 | 229.4 | 261.7 | 289.5 | 281.8 | 247.2 | 209.8 | 181.6 | 167.6 | 157.9 | 153.8 |
| 72.5° | 174.2 | 194.5 | 219.1 | 241.8 | 236.6 | 207.9 | 176.7 | 155.4 | 144.5 | 135.7 | 132.3 |
| 75° | 131.5 | 147.0 | 162.0 | 177.1 | 175.7 | 153.4 | 135.2 | 118.8 | 110.1 | 103.3 | 101.9 |
| 77.5° | 97.1 | 105.8 | 116.0 | 124.9 | 122.4 | 109.7 | 95.4 | 86.1 | 79.6 | 75.1 | 74.4 |
| 80° | 74.2 | 79.2 | 86.5 | 92.8 | 89.7 | 84.2 | 72.9 | 66.0 | 61.4 | 56.9 | 55.1 |
| 82.5° | 53.8 | 58.9 | 63.2 | 66.6 | 64.2 | 59.1 | 52.1 | 47.4 | 44.7 | 41.6 | 40.8 |
| 85° | 28.2 | 30.9 | 32.8 | 33.7 | 32.8 | 29.6 | 26.4 | 24.6 | 22.3 | 21.0 | 20.5 |
| 87.5° | 13.5 | 13.0 | 12.5 | 12.8 | 11.5 | 11.2 | 9.5 | 8.1 | 8.0 | 7.9 | 7.5 |
| 90° | 12.8 | 10.3 | 7.8 | 6.0 | 4.5 | 3.2 | 1.9 | 0.5 | 1.9 | 3.2 | 4.5 |
| 92.5° | 15.0 | 14.4 | 13.8 | 13.0 | 12.0 | 11.1 | 10.1 | 9.1 | 10.1 | 11.1 | 12.0 |
| 95° | 32.1 | 31.8 | 31.7 | 30.9 | 29.9 | 28.7 | 27.6 | 26.5 | 27.6 | 28.7 | 29.9 |
| 97.5° | 53.9 | 53.4 | 53.0 | 52.3 | 51.3 | 50.3 | 49.3 | 48.3 | 49.3 | 50.3 | 51.3 |
| 100° | 69.5 | 69.2 | 68.8 | 68.2 | 67.3 | 66.3 | 65.5 | 64.6 | 65.5 | 66.3 | 67.3 |
| 102.5° | 86.0 | 85.6 | 85.2 | 84.5 | 83.8 | 83.1 | 82.4 | 81.7 | 82.4 | 83.1 | 83.8 |
| 105° | 111.4 | 111.2 | 110.9 | 110.7 | 110.3 | 110.0 | 109.7 | 109.3 | 109.7 | 110.0 | 110.3 |
| 107.5° | 139.5 | 139.5 | 139.5 | 139.2 | 138.7 | 138.2 | 137.7 | 137.2 | 137.7 | 138.2 | 138.7 |
| 110° | 158.1 | 158.1 | 158.1 | 157.8 | 157.1 | 156.4 | 155.8 | 155.1 | 155.8 | 156.4 | 157.1 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 177.5 | 177.5 | 177.6 | 177.4 | 176.6 | 175.9 | 175.3 | 174.6 | 175.3 | 175.9 | 176.6 |
| 115° | 205.9 | 206.1 | 206.3 | 206.1 | 205.5 | 204.7 | 204.1 | 203.4 | 204.1 | 204.7 | 205.5 |
| 117.5° | 234.5 | 235.2 | 235.9 | 235.7 | 234.8 | 233.9 | 233.0 | 232.1 | 233.0 | 233.9 | 234.8 |
| 120° | 253.0 | 253.9 | 254.9 | 254.9 | 253.9 | 253.0 | 252.1 | 251.2 | 252.1 | 253.0 | 253.9 |
| 122.5° | 272.0 | 272.6 | 273.2 | 273.0 | 272.0 | 270.9 | 269.7 | 268.7 | 269.7 | 270.9 | 272.0 |
| 125° | 299.7 | 300.0 | 300.3 | 300.0 | 299.0 | 298.0 | 296.9 | 296.0 | 296.9 | 298.0 | 299.0 |
| 127.5° | 327.3 | 327.7 | 328.1 | 327.6 | 326.4 | 325.0 | 323.8 | 322.4 | 323.8 | 325.0 | 326.4 |
| 130° | 345.2 | 345.4 | 345.6 | 345.0 | 343.6 | 342.1 | 340.6 | 339.2 | 340.6 | 342.1 | 343.6 |
| 132.5° | 363.4 | 363.4 | 363.3 | 362.7 | 361.5 | 360.3 | 359.1 | 357.8 | 359.1 | 360.3 | 361.5 |
| 135° | 389.1 | 388.8 | 388.6 | 387.9 | 386.6 | 385.4 | 384.1 | 382.9 | 384.1 | 385.4 | 386.6 |
| 137.5° | 414.6 | 414.3 | 413.9 | 413.3 | 412.3 | 411.3 | 410.3 | 409.2 | 410.3 | 411.3 | 412.3 |
| 140° | 431.1 | 430.5 | 430.0 | 429.2 | 428.1 | 427.1 | 426.1 | 425.1 | 426.1 | 427.1 | 428.1 |
| 142.5° | 446.9 | 446.6 | 446.1 | 445.4 | 444.4 | 443.4 | 442.4 | 441.4 | 442.4 | 443.4 | 444.4 |
| 145° | 470.0 | 469.3 | 468.7 | 468.0 | 467.2 | 466.4 | 465.6 | 464.8 | 465.6 | 466.4 | 467.2 |
| 147.5° | 491.0 | 490.5 | 490.1 | 489.4 | 488.5 | 487.5 | 486.5 | 485.6 | 486.5 | 487.5 | 488.5 |
| 150° | 504.0 | 503.5 | 503.1 | 502.6 | 501.9 | 501.2 | 500.5 | 499.9 | 500.5 | 501.2 | 501.9 |
| 152.5° | 516.8 | 516.3 | 515.8 | 515.1 | 514.5 | 513.8 | 513.2 | 512.5 | 513.2 | 513.8 | 514.5 |
| 155° | 533.8 | 533.4 | 533.1 | 532.7 | 532.4 | 532.1 | 531.7 | 531.4 | 531.7 | 532.1 | 532.4 |
| 157.5° | 549.1 | 548.8 | 548.7 | 548.5 | 548.2 | 548.0 | 547.8 | 547.5 | 547.8 | 548.0 | 548.2 |
| 160° | 558.6 | 558.5 | 558.4 | 558.2 | 557.9 | 557.8 | 557.5 | 557.3 | 557.5 | 557.8 | 557.9 |
| 162.5° | 566.8 | 566.6 | 566.5 | 566.4 | 566.4 | 566.3 | 566.3 | 566.2 | 566.3 | 566.3 | 566.4 |
| 165° | 577.7 | 577.7 | 577.7 | 577.7 | 577.8 | 577.9 | 578.0 | 578.2 | 578.0 | 577.9 | 577.8 |
| 167.5° | 586.6 | 586.6 | 586.6 | 586.7 | 587.1 | 587.5 | 587.8 | 588.1 | 587.8 | 587.5 | 587.1 |
| 170° | 591.6 | 591.7 | 591.8 | 592.1 | 592.4 | 592.7 | 593.1 | 593.4 | 593.1 | 592.7 | 592.4 |
| 172.5° | 595.3 | 595.4 | 595.5 | 595.8 | 596.0 | 596.4 | 596.7 | 597.1 | 596.7 | 596.4 | 596.0 |
| 175° | 599.5 | 599.7 | 599.9 | 600.2 | 600.6 | 600.8 | 601.2 | 601.5 | 601.2 | 600.8 | 600.6 |
| 177.5° | 601.7 | 601.9 | 602.1 | 602.3 | 602.5 | 602.8 | 603.1 | 603.4 | 603.1 | 602.8 | 602.5 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 |
| 2.5° | 1168.8 | 1166.6 | 1159.0 | 1154.9 | 1148.3 | 1142.2 | 1138.2 | 1140.1 | 1141.5 | 1140.8 | 1139.6 |
| 5° | 1135.2 | 1126.6 | 1113.4 | 1102.1 | 1093.9 | 1078.8 | 1072.5 | 1069.3 | 1066.6 | 1063.4 | 1060.2 |
| 7.5° | 1095.4 | 1081.7 | 1062.8 | 1046.6 | 1031.3 | 1012.6 | 1002.0 | 995.6 | 989.1 | 981.9 | 975.5 |
| 10° | 1067.0 | 1047.8 | 1027.9 | 1005.0 | 986.9 | 970.0 | 955.0 | 945.0 | 935.9 | 927.3 | 920.9 |
| 12.5° | 1037.1 | 1015.1 | 990.3 | 959.2 | 939.1 | 915.1 | 912.8 | 895.1 | 880.9 | 875.6 | 868.1 |
| 15° | 989.6 | 958.7 | 927.3 | 890.4 | 874.4 | 852.6 | 838.9 | 825.3 | 813.0 | 804.3 | 802.1 |
| 17.5° | 935.6 | 895.5 | 864.3 | 837.9 | 811.7 | 789.3 | 776.8 | 765.8 | 755.7 | 744.1 | 742.6 |
| 20° | 894.5 | 859.9 | 825.7 | 802.5 | 775.7 | 752.9 | 737.4 | 726.5 | 717.8 | 711.1 | 705.1 |
| 22.5° | 855.5 | 817.6 | 786.4 | 761.0 | 734.5 | 716.1 | 703.9 | 693.4 | 686.2 | 678.6 | 673.1 |
| 25° | 793.0 | 763.4 | 729.2 | 700.5 | 678.7 | 666.9 | 656.8 | 647.7 | 643.2 | 638.2 | 631.9 |
| 27.5° | 738.2 | 705.3 | 673.4 | 651.2 | 632.0 | 621.5 | 614.4 | 608.2 | 604.0 | 601.0 | 597.4 |
| 30° | 699.6 | 666.4 | 641.4 | 619.6 | 603.6 | 593.2 | 588.6 | 585.0 | 580.0 | 578.1 | 576.3 |
| 32.5° | 662.5 | 632.6 | 611.2 | 592.2 | 577.0 | 570.2 | 566.0 | 562.8 | 558.8 | 557.0 | 553.3 |
| 35° | 609.9 | 585.0 | 564.0 | 553.5 | 541.3 | 535.3 | 532.2 | 527.5 | 524.0 | 522.1 | 521.7 |
| 37.5° | 560.5 | 538.8 | 525.0 | 511.6 | 506.4 | 502.7 | 498.4 | 495.3 | 494.2 | 493.9 | 493.5 |
| 40° | 528.5 | 510.8 | 498.5 | 487.5 | 485.3 | 479.7 | 476.2 | 473.4 | 473.4 | 473.9 | 473.4 |
| 42.5° | 499.4 | 483.4 | 472.6 | 463.2 | 460.5 | 457.2 | 453.5 | 453.3 | 454.1 | 455.7 | 454.1 |
| 45° | 455.2 | 443.8 | 436.0 | 431.5 | 426.5 | 423.3 | 422.8 | 424.3 | 424.7 | 425.2 | 426.5 |
| 47.5° | 414.6 | 407.1 | 400.0 | 395.0 | 392.8 | 392.3 | 391.7 | 394.1 | 396.3 | 397.1 | 399.2 |
| 50° | 390.6 | 381.9 | 376.0 | 372.8 | 371.0 | 370.1 | 371.0 | 373.7 | 375.5 | 377.8 | 379.2 |
| 52.5° | 363.6 | 357.5 | 353.4 | 351.0 | 350.3 | 350.8 | 351.0 | 354.1 | 357.0 | 357.8 | 358.5 |
| 55° | 326.4 | 321.8 | 320.9 | 316.8 | 318.6 | 318.2 | 320.5 | 322.3 | 325.0 | 327.7 | 328.2 |
| 57.5° | 289.3 | 285.6 | 283.1 | 283.5 | 284.0 | 286.1 | 287.9 | 291.1 | 294.1 | 296.9 | 297.2 |
| 60° | 264.5 | 262.6 | 261.3 | 261.3 | 262.2 | 264.9 | 267.2 | 270.4 | 272.2 | 274.0 | 275.4 |
| 62.5° | 241.9 | 240.0 | 238.7 | 239.4 | 241.8 | 243.4 | 246.1 | 247.8 | 249.6 | 251.5 | 252.1 |
| 65° | 206.2 | 205.3 | 206.7 | 207.6 | 208.0 | 210.3 | 213.5 | 214.8 | 216.7 | 217.6 | 220.8 |
| 67.5° | 173.3 | 173.5 | 173.3 | 174.6 | 177.3 | 177.8 | 180.8 | 184.0 | 184.3 | 186.1 | 188.2 |
| 70° | 151.1 | 152.0 | 152.9 | 153.8 | 156.1 | 157.0 | 159.3 | 160.7 | 162.5 | 163.9 | 165.2 |
| 72.5° | 130.7 | 130.9 | 131.8 | 131.6 | 133.6 | 135.5 | 137.5 | 138.8 | 140.6 | 142.4 | 143.7 |
| 75° | 100.6 | 100.6 | 101.5 | 101.9 | 104.2 | 106.6 | 106.0 | 107.0 | 108.8 | 110.6 | 111.6 |
| 77.5° | 73.5 | 72.5 | 73.5 | 73.9 | 74.6 | 76.6 | 77.0 | 78.2 | 80.3 | 79.6 | 80.7 |
| 80° | 56.0 | 54.7 | 56.0 | 56.4 | 56.4 | 58.8 | 58.8 | 59.7 | 61.0 | 59.7 | 61.0 |
| 82.5° | 39.9 | 39.3 | 40.3 | 40.4 | 41.1 | 41.2 | 42.0 | 42.2 | 43.5 | 42.9 | 43.5 |
| 85° | 20.1 | 19.6 | 20.1 | 19.6 | 20.1 | 20.5 | 20.5 | 20.1 | 20.1 | 21.0 | 19.6 |
| 87.5° | 7.4 | 7.4 | 7.5 | 8.0 | 8.2 | 8.3 | 7.8 | 7.8 | 7.8 | 7.0 | 7.0 |
| 90° | 6.0 | 7.8 | 10.3 | 12.8 | 15.3 | 17.8 | 17.6 | 17.4 | 17.1 | 16.9 | 16.9 |
| 92.5° | 13.0 | 13.8 | 14.4 | 15.0 | 15.6 | 16.1 | 16.2 | 16.2 | 16.3 | 16.3 | 16.4 |
| 95° | 30.9 | 31.7 | 31.8 | 32.1 | 32.3 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 |
| 97.5° | 52.3 | 53.0 | 53.4 | 53.9 | 54.3 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.7 |
| 100° | 68.2 | 68.8 | 69.2 | 69.5 | 69.8 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.1 |
| 102.5° | 84.5 | 85.2 | 85.6 | 86.0 | 86.4 | 86.9 | 86.9 | 87.0 | 87.1 | 87.2 | 87.2 |
| 105° | 110.7 | 110.9 | 111.2 | 111.4 | 111.6 | 111.9 | 112.1 | 112.4 | 112.5 | 112.8 | 112.9 |
| 107.5° | 139.2 | 139.5 | 139.5 | 139.5 | 139.5 | 139.5 | 139.6 | 139.6 | 139.7 | 139.8 | 139.6 |
| 110° | 157.8 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.0 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 177.4 | 177.6 | 177.5 | 177.5 | 177.4 | 177.3 | 177.0 | 176.7 | 176.5 | 176.2 | 175.9 |
| 115° | 206.1 | 206.3 | 206.1 | 205.9 | 205.6 | 205.5 | 205.4 | 205.2 | 205.1 | 205.0 | 204.7 |
| 117.5° | 235.7 | 235.9 | 235.2 | 234.5 | 233.9 | 233.3 | 233.0 | 232.7 | 232.5 | 232.2 | 231.9 |
| 120° | 254.9 | 254.9 | 253.9 | 253.0 | 252.1 | 251.2 | 251.2 | 251.2 | 251.2 | 251.2 | 251.0 |
| 122.5° | 273.0 | 273.2 | 272.6 | 272.0 | 271.3 | 270.7 | 270.5 | 270.2 | 269.9 | 269.7 | 269.4 |
| 125° | 300.0 | 300.3 | 300.0 | 299.7 | 299.3 | 299.0 | 298.6 | 298.3 | 298.0 | 297.7 | 297.4 |
| 127.5° | 327.6 | 328.1 | 327.7 | 327.3 | 326.9 | 326.5 | 326.0 | 325.7 | 325.2 | 324.9 | 324.4 |
| 130° | 345.0 | 345.6 | 345.4 | 345.2 | 345.0 | 344.7 | 344.6 | 344.3 | 344.1 | 343.8 | 343.5 |
| 132.5° | 362.7 | 363.3 | 363.4 | 363.4 | 363.5 | 363.5 | 363.0 | 362.5 | 361.9 | 361.5 | 361.1 |
| 135° | 387.9 | 388.6 | 388.8 | 389.1 | 389.3 | 389.5 | 389.4 | 389.3 | 389.1 | 389.1 | 388.8 |
| 137.5° | 413.3 | 413.9 | 414.3 | 414.6 | 414.8 | 415.1 | 415.0 | 414.9 | 414.8 | 414.7 | 414.5 |
| 140° | 429.2 | 430.0 | 430.5 | 431.1 | 431.7 | 432.2 | 432.2 | 432.2 | 432.2 | 432.2 | 432.0 |
| 142.5° | 445.4 | 446.1 | 446.6 | 446.9 | 447.3 | 447.6 | 447.7 | 447.8 | 447.9 | 448.0 | 447.8 |
| 145° | 468.0 | 468.7 | 469.3 | 470.0 | 470.7 | 471.4 | 471.4 | 471.6 | 471.7 | 471.8 | 471.6 |
| 147.5° | 489.4 | 490.1 | 490.5 | 491.0 | 491.4 | 492.0 | 492.1 | 492.4 | 492.7 | 492.9 | 492.8 |
| 150° | 502.6 | 503.1 | 503.5 | 504.0 | 504.4 | 505.0 | 505.2 | 505.6 | 506.0 | 506.3 | 506.3 |
| 152.5° | 515.1 | 515.8 | 516.3 | 516.8 | 517.4 | 518.0 | 518.4 | 518.8 | 519.2 | 519.7 | 519.7 |
| 155° | 532.7 | 533.1 | 533.4 | 533.8 | 534.0 | 534.4 | 535.0 | 535.6 | 536.1 | 536.7 | 536.8 |
| 157.5° | 548.5 | 548.7 | 548.8 | 549.1 | 549.3 | 549.5 | 550.3 | 551.0 | 551.8 | 552.6 | 552.7 |
| 160° | 558.2 | 558.4 | 558.5 | 558.6 | 558.7 | 558.8 | 559.5 | 560.2 | 560.9 | 561.5 | 561.7 |
| 162.5° | 566.4 | 566.5 | 566.6 | 566.8 | 566.9 | 566.9 | 567.8 | 568.5 | 569.3 | 570.1 | 570.2 |
| 165° | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 578.5 | 579.3 | 580.1 | 580.8 | 580.9 |
| 167.5° | 586.7 | 586.6 | 586.6 | 586.6 | 586.5 | 586.5 | 587.3 | 588.1 | 588.9 | 589.7 | 589.8 |
| 170° | 592.1 | 591.8 | 591.7 | 591.6 | 591.5 | 591.4 | 592.2 | 593.0 | 593.8 | 594.5 | 594.6 |
| 172.5° | 595.8 | 595.5 | 595.4 | 595.3 | 595.1 | 595.0 | 595.8 | 596.6 | 597.4 | 598.2 | 598.2 |
| 175° | 600.2 | 599.9 | 599.7 | 599.5 | 599.2 | 599.0 | 599.8 | 600.6 | 601.4 | 602.2 | 602.3 |
| 177.5° | 602.3 | 602.1 | 601.9 | 601.7 | 601.5 | 601.4 | 601.9 | 602.4 | 603.0 | 603.5 | 603.5 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 |
| 2.5° | 1136.0 | 1135.2 | 1135.2 | 1132.0 | 1135.2 | 1135.2 | 1136.0 | 1139.6 | 1140.8 | 1141.5 | 1140.1 |
| 5° | 1053.8 | 1052.4 | 1050.2 | 1052.4 | 1050.2 | 1052.4 | 1053.8 | 1060.2 | 1063.4 | 1066.6 | 1069.3 |
| 7.5° | 972.5 | 967.1 | 966.3 | 960.8 | 966.3 | 967.1 | 972.5 | 975.5 | 981.9 | 989.1 | 995.6 |
| 10° | 913.1 | 909.5 | 909.0 | 900.4 | 909.0 | 909.5 | 913.1 | 920.9 | 927.3 | 935.9 | 945.0 |
| 12.5° | 868.0 | 859.3 | 860.9 | 856.0 | 860.9 | 859.3 | 868.0 | 868.1 | 875.6 | 880.9 | 895.1 |
| 15° | 789.8 | 789.8 | 787.9 | 780.2 | 787.9 | 789.8 | 789.8 | 802.1 | 804.3 | 813.0 | 825.3 |
| 17.5° | 733.6 | 732.7 | 728.3 | 730.5 | 728.3 | 732.7 | 733.6 | 742.6 | 744.1 | 755.7 | 765.8 |
| 20° | 700.1 | 697.4 | 691.9 | 691.9 | 691.9 | 697.4 | 700.1 | 705.1 | 711.1 | 717.8 | 726.5 |
| 22.5° | 668.4 | 668.2 | 662.5 | 664.2 | 662.5 | 668.2 | 668.4 | 673.1 | 678.6 | 686.2 | 693.4 |
| 25° | 631.3 | 627.8 | 625.0 | 626.3 | 625.0 | 627.8 | 631.3 | 631.9 | 638.2 | 643.2 | 647.7 |
| 27.5° | 596.2 | 594.2 | 594.1 | 590.3 | 594.1 | 594.2 | 596.2 | 597.4 | 601.0 | 604.0 | 608.2 |
| 30° | 575.9 | 571.3 | 572.2 | 569.9 | 572.2 | 571.3 | 575.9 | 576.3 | 578.1 | 580.0 | 585.0 |
| 32.5° | 552.5 | 550.9 | 550.0 | 548.0 | 550.0 | 550.9 | 552.5 | 553.3 | 557.0 | 558.8 | 562.8 |
| 35° | 520.8 | 521.2 | 519.0 | 519.9 | 519.0 | 521.2 | 520.8 | 521.7 | 522.1 | 524.0 | 527.5 |
| 37.5° | 493.0 | 494.5 | 493.4 | 493.7 | 493.4 | 494.5 | 493.0 | 493.5 | 493.9 | 494.2 | 495.3 |
| 40° | 474.7 | 474.7 | 474.7 | 476.2 | 474.7 | 474.7 | 474.7 | 473.4 | 473.9 | 473.4 | 473.4 |
| 42.5° | 457.3 | 456.6 | 455.8 | 455.8 | 455.8 | 456.6 | 457.3 | 454.1 | 455.7 | 454.1 | 453.3 |
| 45° | 427.4 | 428.8 | 429.3 | 427.0 | 429.3 | 428.8 | 427.4 | 426.5 | 425.2 | 424.7 | 424.3 |
| 47.5° | 400.4 | 400.6 | 400.4 | 402.4 | 400.4 | 400.6 | 400.4 | 399.2 | 397.1 | 396.3 | 394.1 |
| 50° | 381.5 | 380.6 | 381.5 | 380.6 | 381.5 | 380.6 | 381.5 | 379.2 | 377.8 | 375.5 | 373.7 |
| 52.5° | 361.4 | 361.6 | 361.1 | 360.9 | 361.1 | 361.6 | 361.4 | 358.5 | 357.8 | 357.0 | 354.1 |
| 55° | 330.0 | 330.9 | 330.5 | 330.5 | 330.5 | 330.9 | 330.0 | 328.2 | 327.7 | 325.0 | 322.3 |
| 57.5° | 297.6 | 298.4 | 299.0 | 296.9 | 299.0 | 298.4 | 297.6 | 297.2 | 296.9 | 294.1 | 291.1 |
| 60° | 274.9 | 277.2 | 276.8 | 275.9 | 276.8 | 277.2 | 274.9 | 275.4 | 274.0 | 272.2 | 270.4 |
| 62.5° | 254.2 | 255.0 | 254.9 | 254.8 | 254.9 | 255.0 | 254.2 | 252.1 | 251.5 | 249.6 | 247.8 |
| 65° | 222.1 | 223.0 | 221.7 | 223.0 | 221.7 | 223.0 | 222.1 | 220.8 | 217.6 | 216.7 | 214.8 |
| 67.5° | 187.6 | 187.9 | 189.0 | 189.6 | 189.0 | 187.9 | 187.6 | 188.2 | 186.1 | 184.3 | 184.0 |
| 70° | 166.1 | 165.7 | 167.0 | 168.4 | 167.0 | 165.7 | 166.1 | 165.2 | 163.9 | 162.5 | 160.7 |
| 72.5° | 143.6 | 144.5 | 144.1 | 145.1 | 144.1 | 144.5 | 143.6 | 143.7 | 142.4 | 140.6 | 138.8 |
| 75° | 110.6 | 112.0 | 111.6 | 112.9 | 111.6 | 112.0 | 110.6 | 111.6 | 110.6 | 108.8 | 107.0 |
| 77.5° | 79.9 | 80.1 | 79.9 | 80.7 | 79.9 | 80.1 | 79.9 | 80.7 | 79.6 | 80.3 | 78.2 |
| 80° | 61.0 | 60.1 | 59.2 | 61.0 | 59.2 | 60.1 | 61.0 | 61.0 | 59.7 | 61.0 | 59.7 |
| 82.5° | 42.4 | 43.0 | 42.1 | 42.1 | 42.1 | 43.0 | 42.4 | 43.5 | 42.9 | 43.5 | 42.2 |
| 85° | 19.6 | 19.1 | 18.2 | 18.2 | 18.2 | 19.1 | 19.6 | 19.6 | 21.0 | 20.1 | 20.1 |
| 87.5° | 7.0 | 6.7 | 6.7 | 6.3 | 6.7 | 6.7 | 7.0 | 7.0 | 7.0 | 7.8 | 7.8 |
| 90° | 16.9 | 17.0 | 17.2 | 17.3 | 17.2 | 17.0 | 16.9 | 16.9 | 16.9 | 17.1 | 17.4 |
| 92.5° | 16.4 | 16.4 | 16.5 | 16.5 | 16.5 | 16.4 | 16.4 | 16.4 | 16.3 | 16.3 | 16.2 |
| 95° | 32.2 | 32.0 | 31.7 | 31.6 | 31.7 | 32.0 | 32.2 | 32.5 | 32.5 | 32.5 | 32.5 |
| 97.5° | 54.7 | 54.7 | 54.7 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 |
| 100° | 70.0 | 69.9 | 69.8 | 69.6 | 69.8 | 69.9 | 70.0 | 70.1 | 70.2 | 70.2 | 70.2 |
| 102.5° | 87.1 | 86.9 | 86.9 | 86.8 | 86.9 | 86.9 | 87.1 | 87.2 | 87.2 | 87.1 | 87.0 |
| 105° | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 | 112.8 | 112.5 | 112.4 |
| 107.5° | 139.0 | 138.6 | 138.0 | 137.5 | 138.0 | 138.6 | 139.0 | 139.6 | 139.8 | 139.7 | 139.6 |
| 110° | 157.7 | 157.3 | 156.9 | 156.6 | 156.9 | 157.3 | 157.7 | 158.0 | 158.1 | 158.1 | 158.1 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.7 | 175.4 | 175.1 | 175.0 | 175.1 | 175.4 | 175.7 | 175.9 | 176.2 | 176.5 | 176.7 |
| 115° | 204.4 | 204.1 | 203.8 | 203.4 | 203.8 | 204.1 | 204.4 | 204.7 | 205.0 | 205.1 | 205.2 |
| 117.5° | 231.6 | 231.2 | 230.9 | 230.5 | 230.9 | 231.2 | 231.6 | 231.9 | 232.2 | 232.5 | 232.7 |
| 120° | 250.7 | 250.4 | 250.0 | 249.7 | 250.0 | 250.4 | 250.7 | 251.0 | 251.2 | 251.2 | 251.2 |
| 122.5° | 269.1 | 268.9 | 268.7 | 268.4 | 268.7 | 268.9 | 269.1 | 269.4 | 269.7 | 269.9 | 270.2 |
| 125° | 297.3 | 297.2 | 297.0 | 296.9 | 297.0 | 297.2 | 297.3 | 297.4 | 297.7 | 298.0 | 298.3 |
| 127.5° | 324.0 | 323.7 | 323.3 | 323.0 | 323.3 | 323.7 | 324.0 | 324.4 | 324.9 | 325.2 | 325.7 |
| 130° | 343.0 | 342.6 | 342.1 | 341.7 | 342.1 | 342.6 | 343.0 | 343.5 | 343.8 | 344.1 | 344.3 |
| 132.5° | 360.7 | 360.3 | 360.0 | 359.6 | 360.0 | 360.3 | 360.7 | 361.1 | 361.5 | 361.9 | 362.5 |
| 135° | 388.5 | 388.2 | 387.8 | 387.4 | 387.8 | 388.2 | 388.5 | 388.8 | 389.1 | 389.1 | 389.3 |
| 137.5° | 414.0 | 413.6 | 413.1 | 412.7 | 413.1 | 413.6 | 414.0 | 414.5 | 414.7 | 414.8 | 414.9 |
| 140° | 431.5 | 431.1 | 430.6 | 430.2 | 430.6 | 431.1 | 431.5 | 432.0 | 432.2 | 432.2 | 432.2 |
| 142.5° | 447.4 | 446.9 | 446.5 | 446.0 | 446.5 | 446.9 | 447.4 | 447.8 | 448.0 | 447.9 | 447.8 |
| 145° | 471.2 | 470.7 | 470.3 | 469.8 | 470.3 | 470.7 | 471.2 | 471.6 | 471.8 | 471.7 | 471.6 |
| 147.5° | 492.4 | 492.0 | 491.5 | 491.1 | 491.5 | 492.0 | 492.4 | 492.8 | 492.9 | 492.7 | 492.4 |
| 150° | 506.0 | 505.6 | 505.2 | 505.0 | 505.2 | 505.6 | 506.0 | 506.3 | 506.3 | 506.0 | 505.6 |
| 152.5° | 519.2 | 518.8 | 518.4 | 518.0 | 518.4 | 518.8 | 519.2 | 519.7 | 519.7 | 519.2 | 518.8 |
| 155° | 536.5 | 536.1 | 535.7 | 535.5 | 535.7 | 536.1 | 536.5 | 536.8 | 536.7 | 536.1 | 535.6 |
| 157.5° | 552.1 | 551.6 | 551.1 | 550.5 | 551.1 | 551.6 | 552.1 | 552.7 | 552.6 | 551.8 | 551.0 |
| 160° | 561.2 | 560.8 | 560.3 | 559.8 | 560.3 | 560.8 | 561.2 | 561.7 | 561.5 | 560.9 | 560.2 |
| 162.5° | 569.6 | 569.1 | 568.6 | 568.0 | 568.6 | 569.1 | 569.6 | 570.2 | 570.1 | 569.3 | 568.5 |
| 165° | 580.3 | 579.8 | 579.3 | 578.6 | 579.3 | 579.8 | 580.3 | 580.9 | 580.8 | 580.1 | 579.3 |
| 167.5° | 589.2 | 588.6 | 588.0 | 587.4 | 588.0 | 588.6 | 589.2 | 589.8 | 589.7 | 588.9 | 588.1 |
| 170° | 593.9 | 593.3 | 592.5 | 591.9 | 592.5 | 593.3 | 593.9 | 594.6 | 594.5 | 593.8 | 593.0 |
| 172.5° | 597.6 | 596.9 | 596.2 | 595.6 | 596.2 | 596.9 | 597.6 | 598.2 | 598.2 | 597.4 | 596.6 |
| 175° | 601.5 | 600.8 | 600.2 | 599.5 | 600.2 | 600.8 | 601.5 | 602.3 | 602.2 | 601.4 | 600.6 |
| 177.5° | 603.0 | 602.4 | 601.9 | 601.4 | 601.9 | 602.4 | 603.0 | 603.5 | 603.5 | 603.0 | 602.4 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 |
| 2.5° | 1138.2 | 1142.2 | 1148.3 | 1154.9 | 1159.0 | 1166.6 | 1168.8 | 1172.4 | 1175.7 | 1183.4 | 1191.3 |
| 5° | 1072.5 | 1078.8 | 1093.9 | 1102.1 | 1113.4 | 1126.6 | 1135.2 | 1144.4 | 1154.4 | 1171.7 | 1187.6 |
| 7.5° | 1002.0 | 1012.6 | 1031.3 | 1046.6 | 1062.8 | 1081.7 | 1095.4 | 1113.4 | 1128.4 | 1152.7 | 1176.1 |
| 10° | 955.0 | 970.0 | 986.9 | 1005.0 | 1027.9 | 1047.8 | 1067.0 | 1089.8 | 1108.0 | 1137.1 | 1164.4 |
| 12.5° | 912.8 | 915.1 | 939.1 | 959.2 | 990.3 | 1015.1 | 1037.1 | 1066.5 | 1084.3 | 1118.9 | 1147.6 |
| 15° | 838.9 | 852.6 | 874.4 | 890.4 | 927.3 | 958.7 | 989.6 | 1020.1 | 1040.6 | 1083.3 | 1121.1 |
| 17.5° | 776.8 | 789.3 | 811.7 | 837.9 | 864.3 | 895.5 | 935.6 | 967.8 | 995.6 | 1044.6 | 1089.2 |
| 20° | 737.4 | 752.9 | 775.7 | 802.5 | 825.7 | 859.9 | 894.5 | 931.3 | 961.4 | 1016.5 | 1068.8 |
| 22.5° | 703.9 | 716.1 | 734.5 | 761.0 | 786.4 | 817.6 | 855.5 | 895.6 | 927.2 | 986.6 | 1039.6 |
| 25° | 656.8 | 666.9 | 678.7 | 700.5 | 729.2 | 763.4 | 793.0 | 837.1 | 883.1 | 938.6 | 1002.8 |
| 27.5° | 614.4 | 621.5 | 632.0 | 651.2 | 673.4 | 705.3 | 738.2 | 780.2 | 826.3 | 886.6 | 954.4 |
| 30° | 588.6 | 593.2 | 603.6 | 619.6 | 641.4 | 666.4 | 699.6 | 739.7 | 787.0 | 848.0 | 915.4 |
| 32.5° | 566.0 | 570.2 | 577.0 | 592.2 | 611.2 | 632.6 | 662.5 | 702.6 | 747.7 | 807.6 | 882.3 |
| 35° | 532.2 | 535.3 | 541.3 | 553.5 | 564.0 | 585.0 | 609.9 | 646.4 | 688.8 | 746.1 | 823.5 |
| 37.5° | 498.4 | 502.7 | 506.4 | 511.6 | 525.0 | 538.8 | 560.5 | 591.3 | 632.8 | 690.7 | 764.5 |
| 40° | 476.2 | 479.7 | 485.3 | 487.5 | 498.5 | 510.8 | 528.5 | 556.7 | 598.6 | 651.4 | 723.4 |
| 42.5° | 453.5 | 457.2 | 460.5 | 463.2 | 472.6 | 483.4 | 499.4 | 523.6 | 560.7 | 612.1 | 683.2 |
| 45° | 422.8 | 423.3 | 426.5 | 431.5 | 436.0 | 443.8 | 455.2 | 476.2 | 504.8 | 553.0 | 617.7 |
| 47.5° | 391.7 | 392.3 | 392.8 | 395.0 | 400.0 | 407.1 | 414.6 | 431.6 | 457.3 | 495.8 | 558.7 |
| 50° | 371.0 | 370.1 | 371.0 | 372.8 | 376.0 | 381.9 | 390.6 | 402.9 | 423.8 | 459.8 | 517.5 |
| 52.5° | 351.0 | 350.8 | 350.3 | 351.0 | 353.4 | 357.5 | 363.6 | 374.1 | 392.8 | 425.9 | 476.8 |
| 55° | 320.5 | 318.2 | 318.6 | 316.8 | 320.9 | 321.8 | 326.4 | 335.0 | 351.4 | 374.2 | 422.0 |
| 57.5° | 287.9 | 286.1 | 284.0 | 283.5 | 283.1 | 285.6 | 289.3 | 296.0 | 308.6 | 328.6 | 367.4 |
| 60° | 267.2 | 264.9 | 262.2 | 261.3 | 261.3 | 262.6 | 264.5 | 269.5 | 281.3 | 299.1 | 330.9 |
| 62.5° | 246.1 | 243.4 | 241.8 | 239.4 | 238.7 | 240.0 | 241.9 | 245.5 | 254.0 | 270.6 | 298.2 |
| 65° | 213.5 | 210.3 | 208.0 | 207.6 | 206.7 | 205.3 | 206.2 | 209.8 | 216.7 | 229.9 | 251.7 |
| 67.5° | 180.8 | 177.8 | 177.3 | 174.6 | 173.3 | 173.5 | 173.3 | 176.5 | 180.6 | 191.9 | 208.2 |
| 70° | 159.3 | 157.0 | 156.1 | 153.8 | 152.9 | 152.0 | 151.1 | 153.8 | 157.9 | 167.6 | 181.6 |
| 72.5° | 137.5 | 135.5 | 133.6 | 131.6 | 131.8 | 130.9 | 130.7 | 132.3 | 135.7 | 144.5 | 155.4 |
| 75° | 106.0 | 106.6 | 104.2 | 101.9 | 101.5 | 100.6 | 100.6 | 101.9 | 103.3 | 110.1 | 118.8 |
| 77.5° | 77.0 | 76.6 | 74.6 | 73.9 | 73.5 | 72.5 | 73.5 | 74.4 | 75.1 | 79.6 | 86.1 |
| 80° | 58.8 | 58.8 | 56.4 | 56.4 | 56.0 | 54.7 | 56.0 | 55.1 | 56.9 | 61.4 | 66.0 |
| 82.5° | 42.0 | 41.2 | 41.1 | 40.4 | 40.3 | 39.3 | 39.9 | 40.8 | 41.6 | 44.7 | 47.4 |
| 85° | 20.5 | 20.5 | 20.1 | 19.6 | 20.1 | 19.6 | 20.1 | 20.5 | 21.0 | 22.3 | 24.6 |
| 87.5° | 7.8 | 8.3 | 8.2 | 8.0 | 7.5 | 7.4 | 7.4 | 7.5 | 7.9 | 8.0 | 8.1 |
| 90° | 17.6 | 17.8 | 15.3 | 12.8 | 10.3 | 7.8 | 6.0 | 4.5 | 3.2 | 1.9 | 0.5 |
| 92.5° | 16.2 | 16.1 | 15.6 | 15.0 | 14.4 | 13.8 | 13.0 | 12.0 | 11.1 | 10.1 | 9.1 |
| 95° | 32.5 | 32.5 | 32.3 | 32.1 | 31.8 | 31.7 | 30.9 | 29.9 | 28.7 | 27.6 | 26.5 |
| 97.5° | 54.8 | 54.8 | 54.3 | 53.9 | 53.4 | 53.0 | 52.3 | 51.3 | 50.3 | 49.3 | 48.3 |
| 100° | 70.2 | 70.2 | 69.8 | 69.5 | 69.2 | 68.8 | 68.2 | 67.3 | 66.3 | 65.5 | 64.6 |
| 102.5° | 86.9 | 86.9 | 86.4 | 86.0 | 85.6 | 85.2 | 84.5 | 83.8 | 83.1 | 82.4 | 81.7 |
| 105° | 112.1 | 111.9 | 111.6 | 111.4 | 111.2 | 110.9 | 110.7 | 110.3 | 110.0 | 109.7 | 109.3 |
| 107.5° | 139.6 | 139.5 | 139.5 | 139.5 | 139.5 | 139.5 | 139.2 | 138.7 | 138.2 | 137.7 | 137.2 |
| 110° | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 157.8 | 157.1 | 156.4 | 155.8 | 155.1 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 177.0 | 177.3 | 177.4 | 177.5 | 177.5 | 177.6 | 177.4 | 176.6 | 175.9 | 175.3 | 174.6 |
| 115° | 205.4 | 205.5 | 205.6 | 205.9 | 206.1 | 206.3 | 206.1 | 205.5 | 204.7 | 204.1 | 203.4 |
| 117.5° | 233.0 | 233.3 | 233.9 | 234.5 | 235.2 | 235.9 | 235.7 | 234.8 | 233.9 | 233.0 | 232.1 |
| 120° | 251.2 | 251.2 | 252.1 | 253.0 | 253.9 | 254.9 | 254.9 | 253.9 | 253.0 | 252.1 | 251.2 |
| 122.5° | 270.5 | 270.7 | 271.3 | 272.0 | 272.6 | 273.2 | 273.0 | 272.0 | 270.9 | 269.7 | 268.7 |
| 125° | 298.6 | 299.0 | 299.3 | 299.7 | 300.0 | 300.3 | 300.0 | 299.0 | 298.0 | 296.9 | 296.0 |
| 127.5° | 326.0 | 326.5 | 326.9 | 327.3 | 327.7 | 328.1 | 327.6 | 326.4 | 325.0 | 323.8 | 322.4 |
| 130° | 344.6 | 344.7 | 345.0 | 345.2 | 345.4 | 345.6 | 345.0 | 343.6 | 342.1 | 340.6 | 339.2 |
| 132.5° | 363.0 | 363.5 | 363.5 | 363.4 | 363.4 | 363.3 | 362.7 | 361.5 | 360.3 | 359.1 | 357.8 |
| 135° | 389.4 | 389.5 | 389.3 | 389.1 | 388.8 | 388.6 | 387.9 | 386.6 | 385.4 | 384.1 | 382.9 |
| 137.5° | 415.0 | 415.1 | 414.8 | 414.6 | 414.3 | 413.9 | 413.3 | 412.3 | 411.3 | 410.3 | 409.2 |
| 140° | 432.2 | 432.2 | 431.7 | 431.1 | 430.5 | 430.0 | 429.2 | 428.1 | 427.1 | 426.1 | 425.1 |
| 142.5° | 447.7 | 447.6 | 447.3 | 446.9 | 446.6 | 446.1 | 445.4 | 444.4 | 443.4 | 442.4 | 441.4 |
| 145° | 471.4 | 471.4 | 470.7 | 470.0 | 469.3 | 468.7 | 468.0 | 467.2 | 466.4 | 465.6 | 464.8 |
| 147.5° | 492.1 | 492.0 | 491.4 | 491.0 | 490.5 | 490.1 | 489.4 | 488.5 | 487.5 | 486.5 | 485.6 |
| 150° | 505.2 | 505.0 | 504.4 | 504.0 | 503.5 | 503.1 | 502.6 | 501.9 | 501.2 | 500.5 | 499.9 |
| 152.5° | 518.4 | 518.0 | 517.4 | 516.8 | 516.3 | 515.8 | 515.1 | 514.5 | 513.8 | 513.2 | 512.5 |
| 155° | 535.0 | 534.4 | 534.0 | 533.8 | 533.4 | 533.1 | 532.7 | 532.4 | 532.1 | 531.7 | 531.4 |
| 157.5° | 550.3 | 549.5 | 549.3 | 549.1 | 548.8 | 548.7 | 548.5 | 548.2 | 548.0 | 547.8 | 547.5 |
| 160° | 559.5 | 558.8 | 558.7 | 558.6 | 558.5 | 558.4 | 558.2 | 557.9 | 557.8 | 557.5 | 557.3 |
| 162.5° | 567.8 | 566.9 | 566.9 | 566.8 | 566.6 | 566.5 | 566.4 | 566.4 | 566.3 | 566.3 | 566.2 |
| 165° | 578.5 | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 577.8 | 577.9 | 578.0 | 578.2 |
| 167.5° | 587.3 | 586.5 | 586.5 | 586.6 | 586.6 | 586.6 | 586.7 | 587.1 | 587.5 | 587.8 | 588.1 |
| 170° | 592.2 | 591.4 | 591.5 | 591.6 | 591.7 | 591.8 | 592.1 | 592.4 | 592.7 | 593.1 | 593.4 |
| 172.5° | 595.8 | 595.0 | 595.1 | 595.3 | 595.4 | 595.5 | 595.8 | 596.0 | 596.4 | 596.7 | 597.1 |
| 175° | 599.8 | 599.0 | 599.2 | 599.5 | 599.7 | 599.9 | 600.2 | 600.6 | 600.8 | 601.2 | 601.5 |
| 177.5° | 601.9 | 601.4 | 601.5 | 601.7 | 601.9 | 602.1 | 602.3 | 602.5 | 602.8 | 603.1 | 603.4 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 |
| 2.5° | 1190.6 | 1192.5 | 1198.3 | 1204.1 | 1210.7 | 1212.5 | 1215.4 | 1212.8 | 1212.1 | 1219.1 | 1224.1 |
| 5° | 1194.0 | 1202.2 | 1218.2 | 1232.7 | 1245.0 | 1253.7 | 1262.8 | 1266.4 | 1273.2 | 1282.7 | 1294.6 |
| 7.5° | 1190.2 | 1206.1 | 1231.2 | 1252.3 | 1275.5 | 1292.2 | 1305.2 | 1316.3 | 1329.7 | 1347.8 | 1367.6 |
| 10° | 1185.8 | 1207.2 | 1237.7 | 1263.6 | 1291.8 | 1313.2 | 1331.1 | 1348.3 | 1368.3 | 1393.4 | 1419.3 |
| 12.5° | 1177.8 | 1203.2 | 1241.4 | 1272.0 | 1308.2 | 1329.3 | 1353.3 | 1390.5 | 1412.0 | 1446.9 | 1483.5 |
| 15° | 1161.7 | 1189.9 | 1243.1 | 1280.9 | 1321.9 | 1362.0 | 1406.1 | 1441.6 | 1477.1 | 1497.6 | 1549.1 |
| 17.5° | 1137.7 | 1179.2 | 1238.1 | 1282.2 | 1334.3 | 1397.4 | 1447.0 | 1487.2 | 1528.2 | 1561.5 | 1587.2 |
| 20° | 1118.5 | 1163.5 | 1230.8 | 1283.7 | 1345.6 | 1413.4 | 1470.3 | 1511.3 | 1546.8 | 1574.6 | 1590.5 |
| 22.5° | 1094.0 | 1150.8 | 1216.3 | 1278.2 | 1357.3 | 1424.3 | 1484.2 | 1516.4 | 1546.0 | 1559.6 | 1565.8 |
| 25° | 1055.6 | 1123.9 | 1198.1 | 1273.6 | 1362.9 | 1433.9 | 1488.5 | 1508.1 | 1516.7 | 1503.5 | 1481.7 |
| 27.5° | 1014.2 | 1090.3 | 1177.1 | 1265.1 | 1359.4 | 1427.7 | 1466.9 | 1463.7 | 1449.1 | 1406.4 | 1372.3 |
| 30° | 983.2 | 1067.0 | 1160.3 | 1256.3 | 1351.0 | 1417.5 | 1440.3 | 1417.5 | 1384.3 | 1336.5 | 1287.8 |
| 32.5° | 950.8 | 1037.5 | 1142.5 | 1243.9 | 1335.8 | 1394.2 | 1399.1 | 1359.9 | 1308.5 | 1254.2 | 1193.5 |
| 35° | 901.8 | 995.5 | 1108.8 | 1216.3 | 1303.2 | 1340.2 | 1318.3 | 1249.1 | 1188.1 | 1113.9 | 1031.0 |
| 37.5° | 846.3 | 949.9 | 1063.5 | 1175.8 | 1254.5 | 1264.2 | 1210.0 | 1137.1 | 1051.1 | 963.9 | 866.4 |
| 40° | 804.8 | 914.5 | 1031.5 | 1144.9 | 1214.5 | 1204.4 | 1135.2 | 1055.2 | 952.7 | 846.2 | 755.6 |
| 42.5° | 767.7 | 877.4 | 996.5 | 1107.7 | 1163.5 | 1136.0 | 1055.2 | 956.8 | 846.8 | 746.5 | 663.5 |
| 45° | 703.3 | 816.2 | 938.2 | 1045.6 | 1077.5 | 1027.9 | 920.9 | 811.6 | 703.3 | 619.6 | 554.0 |
| 47.5° | 640.9 | 752.4 | 873.3 | 967.7 | 978.9 | 912.2 | 795.3 | 682.9 | 589.8 | 521.6 | 475.3 |
| 50° | 594.9 | 706.9 | 826.6 | 910.9 | 907.2 | 826.6 | 706.5 | 599.5 | 521.7 | 466.5 | 435.6 |
| 52.5° | 553.8 | 659.6 | 774.5 | 851.1 | 831.9 | 744.0 | 629.3 | 534.3 | 470.3 | 427.2 | 399.2 |
| 55° | 489.8 | 587.6 | 696.9 | 758.4 | 722.8 | 625.4 | 528.5 | 452.0 | 404.7 | 372.4 | 350.5 |
| 57.5° | 426.2 | 518.0 | 611.5 | 649.4 | 610.2 | 520.2 | 439.3 | 383.9 | 348.3 | 324.4 | 310.1 |
| 60° | 386.9 | 467.1 | 550.4 | 583.1 | 536.2 | 456.1 | 392.4 | 342.8 | 314.1 | 294.5 | 281.8 |
| 62.5° | 347.6 | 419.4 | 497.9 | 515.8 | 472.9 | 405.1 | 348.7 | 307.5 | 283.8 | 266.4 | 254.5 |
| 65° | 294.1 | 352.8 | 412.4 | 424.3 | 384.7 | 332.3 | 287.7 | 260.8 | 239.9 | 227.1 | 217.6 |
| 67.5° | 241.2 | 288.3 | 330.6 | 340.1 | 305.4 | 269.1 | 236.9 | 213.5 | 199.3 | 188.7 | 180.7 |
| 70° | 209.8 | 247.2 | 281.8 | 289.5 | 261.7 | 229.4 | 204.8 | 186.2 | 173.4 | 164.3 | 156.6 |
| 72.5° | 176.7 | 207.9 | 236.6 | 241.8 | 219.1 | 194.5 | 174.2 | 159.6 | 148.3 | 142.5 | 135.1 |
| 75° | 135.2 | 153.4 | 175.7 | 177.1 | 162.0 | 147.0 | 131.5 | 122.0 | 116.1 | 108.8 | 105.1 |
| 77.5° | 95.4 | 109.7 | 122.4 | 124.9 | 116.0 | 105.8 | 97.1 | 89.6 | 84.5 | 81.2 | 77.8 |
| 80° | 72.9 | 84.2 | 89.7 | 92.8 | 86.5 | 79.2 | 74.2 | 69.2 | 66.0 | 63.8 | 61.4 |
| 82.5° | 52.1 | 59.1 | 64.2 | 66.6 | 63.2 | 58.9 | 53.8 | 51.0 | 48.5 | 46.6 | 45.8 |
| 85° | 26.4 | 29.6 | 32.8 | 33.7 | 32.8 | 30.9 | 28.2 | 28.2 | 26.8 | 26.4 | 26.4 |
| 87.5° | 9.5 | 11.2 | 11.5 | 12.8 | 12.5 | 13.0 | 13.5 | 13.6 | 13.7 | 13.4 | 12.9 |
| 90° | 1.9 | 3.2 | 4.5 | 6.0 | 7.8 | 10.3 | 12.8 | 15.3 | 17.8 | 17.6 | 17.4 |
| 92.5° | 10.1 | 11.1 | 12.0 | 13.0 | 13.8 | 14.4 | 15.0 | 15.6 | 16.1 | 16.2 | 16.2 |
| 95° | 27.6 | 28.7 | 29.9 | 30.9 | 31.7 | 31.8 | 32.1 | 32.3 | 32.5 | 32.5 | 32.5 |
| 97.5° | 49.3 | 50.3 | 51.3 | 52.3 | 53.0 | 53.4 | 53.9 | 54.3 | 54.8 | 54.8 | 54.8 |
| 100° | 65.5 | 66.3 | 67.3 | 68.2 | 68.8 | 69.2 | 69.5 | 69.8 | 70.2 | 70.2 | 70.2 |
| 102.5° | 82.4 | 83.1 | 83.8 | 84.5 | 85.2 | 85.6 | 86.0 | 86.4 | 86.9 | 86.9 | 87.0 |
| 105° | 109.7 | 110.0 | 110.3 | 110.7 | 110.9 | 111.2 | 111.4 | 111.6 | 111.9 | 112.1 | 112.4 |
| 107.5° | 137.7 | 138.2 | 138.7 | 139.2 | 139.5 | 139.5 | 139.5 | 139.5 | 139.5 | 139.6 | 139.6 |
| 110° | 155.8 | 156.4 | 157.1 | 157.8 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 | 158.1 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.3 | 175.9 | 176.6 | 177.4 | 177.6 | 177.5 | 177.5 | 177.4 | 177.3 | 177.0 | 176.7 |
| 115° | 204.1 | 204.7 | 205.5 | 206.1 | 206.3 | 206.1 | 205.9 | 205.6 | 205.5 | 205.4 | 205.2 |
| 117.5° | 233.0 | 233.9 | 234.8 | 235.7 | 235.9 | 235.2 | 234.5 | 233.9 | 233.3 | 233.0 | 232.7 |
| 120° | 252.1 | 253.0 | 253.9 | 254.9 | 254.9 | 253.9 | 253.0 | 252.1 | 251.2 | 251.2 | 251.2 |
| 122.5° | 269.7 | 270.9 | 272.0 | 273.0 | 273.2 | 272.6 | 272.0 | 271.3 | 270.7 | 270.5 | 270.2 |
| 125° | 296.9 | 298.0 | 299.0 | 300.0 | 300.3 | 300.0 | 299.7 | 299.3 | 299.0 | 298.6 | 298.3 |
| 127.5° | 323.8 | 325.0 | 326.4 | 327.6 | 328.1 | 327.7 | 327.3 | 326.9 | 326.5 | 326.0 | 325.7 |
| 130° | 340.6 | 342.1 | 343.6 | 345.0 | 345.6 | 345.4 | 345.2 | 345.0 | 344.7 | 344.6 | 344.3 |
| 132.5° | 359.1 | 360.3 | 361.5 | 362.7 | 363.3 | 363.4 | 363.4 | 363.5 | 363.5 | 363.0 | 362.5 |
| 135° | 384.1 | 385.4 | 386.6 | 387.9 | 388.6 | 388.8 | 389.1 | 389.3 | 389.5 | 389.4 | 389.3 |
| 137.5° | 410.3 | 411.3 | 412.3 | 413.3 | 413.9 | 414.3 | 414.6 | 414.8 | 415.1 | 415.0 | 414.9 |
| 140° | 426.1 | 427.1 | 428.1 | 429.2 | 430.0 | 430.5 | 431.1 | 431.7 | 432.2 | 432.2 | 432.2 |
| 142.5° | 442.4 | 443.4 | 444.4 | 445.4 | 446.1 | 446.6 | 446.9 | 447.3 | 447.6 | 447.7 | 447.8 |
| 145° | 465.6 | 466.4 | 467.2 | 468.0 | 468.7 | 469.3 | 470.0 | 470.7 | 471.4 | 471.4 | 471.6 |
| 147.5° | 486.5 | 487.5 | 488.5 | 489.4 | 490.1 | 490.5 | 491.0 | 491.4 | 492.0 | 492.1 | 492.4 |
| 150° | 500.5 | 501.2 | 501.9 | 502.6 | 503.1 | 503.5 | 504.0 | 504.4 | 505.0 | 505.2 | 505.6 |
| 152.5° | 513.2 | 513.8 | 514.5 | 515.1 | 515.8 | 516.3 | 516.8 | 517.4 | 518.0 | 518.4 | 518.8 |
| 155° | 531.7 | 532.1 | 532.4 | 532.7 | 533.1 | 533.4 | 533.8 | 534.0 | 534.4 | 535.0 | 535.6 |
| 157.5° | 547.8 | 548.0 | 548.2 | 548.5 | 548.7 | 548.8 | 549.1 | 549.3 | 549.5 | 550.3 | 551.0 |
| 160° | 557.5 | 557.8 | 557.9 | 558.2 | 558.4 | 558.5 | 558.6 | 558.7 | 558.8 | 559.5 | 560.2 |
| 162.5° | 566.3 | 566.3 | 566.4 | 566.4 | 566.5 | 566.6 | 566.8 | 566.9 | 566.9 | 567.8 | 568.5 |
| 165° | 578.0 | 577.9 | 577.8 | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 577.7 | 578.5 | 579.3 |
| 167.5° | 587.8 | 587.5 | 587.1 | 586.7 | 586.6 | 586.6 | 586.6 | 586.5 | 586.5 | 587.3 | 588.1 |
| 170° | 593.1 | 592.7 | 592.4 | 592.1 | 591.8 | 591.7 | 591.6 | 591.5 | 591.4 | 592.2 | 593.0 |
| 172.5° | 596.7 | 596.4 | 596.0 | 595.8 | 595.5 | 595.4 | 595.3 | 595.1 | 595.0 | 595.8 | 596.6 |
| 175° | 601.2 | 600.8 | 600.6 | 600.2 | 599.9 | 599.7 | 599.5 | 599.2 | 599.0 | 599.8 | 600.6 |
| 177.5° | 603.1 | 602.8 | 602.5 | 602.3 | 602.1 | 601.9 | 601.7 | 601.5 | 601.4 | 601.9 | 602.4 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 | 1184.5 |
| 2.5° | 1228.5 | 1233.6 | 1233.6 | 1234.3 | 1240.2 | 1239.4 | 1239.0 |
| 5° | 1307.3 | 1315.1 | 1316.0 | 1324.2 | 1329.6 | 1327.8 | 1322.9 |
| 7.5° | 1381.7 | 1396.2 | 1407.0 | 1413.1 | 1420.3 | 1424.8 | 1422.8 |
| 10° | 1440.7 | 1461.7 | 1474.4 | 1483.1 | 1493.5 | 1501.3 | 1498.5 |
| 12.5° | 1494.2 | 1519.2 | 1536.7 | 1551.5 | 1552.9 | 1562.8 | 1556.0 |
| 15° | 1577.7 | 1604.1 | 1606.9 | 1617.8 | 1626.5 | 1625.5 | 1625.9 |
| 17.5° | 1605.3 | 1613.8 | 1615.5 | 1615.8 | 1615.9 | 1612.7 | 1605.8 |
| 20° | 1595.4 | 1592.3 | 1584.6 | 1578.7 | 1568.2 | 1566.8 | 1557.7 |
| 22.5° | 1548.9 | 1538.7 | 1519.4 | 1506.5 | 1490.2 | 1485.9 | 1483.5 |
| 25° | 1457.1 | 1434.8 | 1403.8 | 1374.2 | 1366.1 | 1350.1 | 1354.7 |
| 27.5° | 1331.2 | 1296.5 | 1262.9 | 1238.9 | 1217.1 | 1193.3 | 1200.1 |
| 30° | 1242.7 | 1203.5 | 1156.2 | 1119.8 | 1096.6 | 1073.8 | 1069.7 |
| 32.5° | 1137.1 | 1079.8 | 1026.9 | 994.9 | 959.3 | 944.9 | 929.2 |
| 35° | 955.0 | 899.0 | 846.7 | 801.6 | 775.7 | 755.6 | 737.4 |
| 37.5° | 791.2 | 726.7 | 684.6 | 648.0 | 629.3 | 617.8 | 620.7 |
| 40° | 689.6 | 633.2 | 602.3 | 574.4 | 557.1 | 548.9 | 550.8 |
| 42.5° | 607.3 | 565.1 | 539.6 | 520.6 | 508.4 | 503.8 | 502.7 |
| 45° | 513.9 | 490.3 | 469.3 | 458.4 | 452.5 | 447.5 | 444.3 |
| 47.5° | 450.2 | 430.9 | 419.1 | 412.6 | 407.4 | 402.3 | 402.3 |
| 50° | 412.0 | 399.2 | 391.0 | 384.1 | 380.1 | 376.5 | 379.6 |
| 52.5° | 382.8 | 371.1 | 363.0 | 356.9 | 355.3 | 352.0 | 352.0 |
| 55° | 339.6 | 330.5 | 324.6 | 319.1 | 316.4 | 314.5 | 312.3 |
| 57.5° | 300.2 | 291.6 | 286.1 | 282.7 | 277.5 | 275.6 | 274.9 |
| 60° | 272.2 | 265.4 | 259.9 | 255.4 | 253.1 | 249.4 | 249.4 |
| 62.5° | 246.4 | 239.5 | 234.4 | 231.0 | 227.2 | 225.8 | 226.1 |
| 65° | 208.9 | 203.5 | 198.5 | 194.8 | 193.9 | 191.2 | 192.1 |
| 67.5° | 174.5 | 170.9 | 165.6 | 163.6 | 161.8 | 160.4 | 159.3 |
| 70° | 151.6 | 147.9 | 145.2 | 142.5 | 141.1 | 141.1 | 141.1 |
| 72.5° | 132.2 | 127.9 | 126.3 | 122.8 | 123.6 | 122.2 | 120.7 |
| 75° | 102.5 | 99.7 | 98.4 | 96.9 | 94.7 | 94.7 | 94.7 |
| 77.5° | 75.3 | 74.5 | 72.9 | 71.4 | 70.9 | 70.4 | 70.6 |
| 80° | 58.2 | 57.8 | 56.9 | 56.9 | 56.0 | 55.6 | 54.7 |
| 82.5° | 44.8 | 43.6 | 43.1 | 42.7 | 42.5 | 42.4 | 42.3 |
| 85° | 25.5 | 24.6 | 24.6 | 25.1 | 24.2 | 24.2 | 24.6 |
| 87.5° | 13.3 | 13.2 | 12.8 | 12.8 | 13.3 | 12.9 | 12.9 |
| 90° | 17.1 | 16.9 | 16.9 | 16.9 | 17.0 | 17.2 | 17.3 |
| 92.5° | 16.3 | 16.3 | 16.4 | 16.4 | 16.4 | 16.5 | 16.5 |
| 95° | 32.5 | 32.5 | 32.5 | 32.2 | 32.0 | 31.7 | 31.6 |
| 97.5° | 54.8 | 54.8 | 54.7 | 54.7 | 54.7 | 54.7 | 54.6 |
| 100° | 70.2 | 70.2 | 70.1 | 70.0 | 69.9 | 69.8 | 69.6 |
| 102.5° | 87.1 | 87.2 | 87.2 | 87.1 | 86.9 | 86.9 | 86.8 |
| 105° | 112.5 | 112.8 | 112.9 | 112.9 | 112.9 | 112.9 | 112.9 |
| 107.5° | 139.7 | 139.8 | 139.6 | 139.0 | 138.6 | 138.0 | 137.5 |
| 110° | 158.1 | 158.1 | 158.0 | 157.7 | 157.3 | 156.9 | 156.6 |



TEST NUMBER: P331340-940

CATALOG NUMBER: S122DIP-S675D530U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 176.5 | 176.2 | 175.9 | 175.7 | 175.4 | 175.1 | 175.0 |
| 115° | 205.1 | 205.0 | 204.7 | 204.4 | 204.1 | 203.8 | 203.4 |
| 117.5° | 232.5 | 232.2 | 231.9 | 231.6 | 231.2 | 230.9 | 230.5 |
| 120° | 251.2 | 251.2 | 251.0 | 250.7 | 250.4 | 250.0 | 249.7 |
| 122.5° | 269.9 | 269.7 | 269.4 | 269.1 | 268.9 | 268.7 | 268.4 |
| 125° | 298.0 | 297.7 | 297.4 | 297.3 | 297.2 | 297.0 | 296.9 |
| 127.5° | 325.2 | 324.9 | 324.4 | 324.0 | 323.7 | 323.3 | 323.0 |
| 130° | 344.1 | 343.8 | 343.5 | 343.0 | 342.6 | 342.1 | 341.7 |
| 132.5° | 361.9 | 361.5 | 361.1 | 360.7 | 360.3 | 360.0 | 359.6 |
| 135° | 389.1 | 389.1 | 388.8 | 388.5 | 388.2 | 387.8 | 387.4 |
| 137.5° | 414.8 | 414.7 | 414.5 | 414.0 | 413.6 | 413.1 | 412.7 |
| 140° | 432.2 | 432.2 | 432.0 | 431.5 | 431.1 | 430.6 | 430.2 |
| 142.5° | 447.9 | 448.0 | 447.8 | 447.4 | 446.9 | 446.5 | 446.0 |
| 145° | 471.7 | 471.8 | 471.6 | 471.2 | 470.7 | 470.3 | 469.8 |
| 147.5° | 492.7 | 492.9 | 492.8 | 492.4 | 492.0 | 491.5 | 491.1 |
| 150° | 506.0 | 506.3 | 506.3 | 506.0 | 505.6 | 505.2 | 505.0 |
| 152.5° | 519.2 | 519.7 | 519.7 | 519.2 | 518.8 | 518.4 | 518.0 |
| 155° | 536.1 | 536.7 | 536.8 | 536.5 | 536.1 | 535.7 | 535.5 |
| 157.5° | 551.8 | 552.6 | 552.7 | 552.1 | 551.6 | 551.1 | 550.5 |
| 160° | 560.9 | 561.5 | 561.7 | 561.2 | 560.8 | 560.3 | 559.8 |
| 162.5° | 569.3 | 570.1 | 570.2 | 569.6 | 569.1 | 568.6 | 568.0 |
| 165° | 580.1 | 580.8 | 580.9 | 580.3 | 579.8 | 579.3 | 578.6 |
| 167.5° | 588.9 | 589.7 | 589.8 | 589.2 | 588.6 | 588.0 | 587.4 |
| 170° | 593.8 | 594.5 | 594.6 | 593.9 | 593.3 | 592.5 | 591.9 |
| 172.5° | 597.4 | 598.2 | 598.2 | 597.6 | 596.9 | 596.2 | 595.6 |
| 175° | 601.4 | 602.2 | 602.3 | 601.5 | 600.8 | 600.2 | 599.5 |
| 177.5° | 603.0 | 603.5 | 603.5 | 603.0 | 602.4 | 601.9 | 601.4 |
| 180° | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |

(END OF REPORT)