

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: P331285-840

Luminaire Tested: **S122DIP-S485D330U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331285-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122DIP-S485D330U840-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 330 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

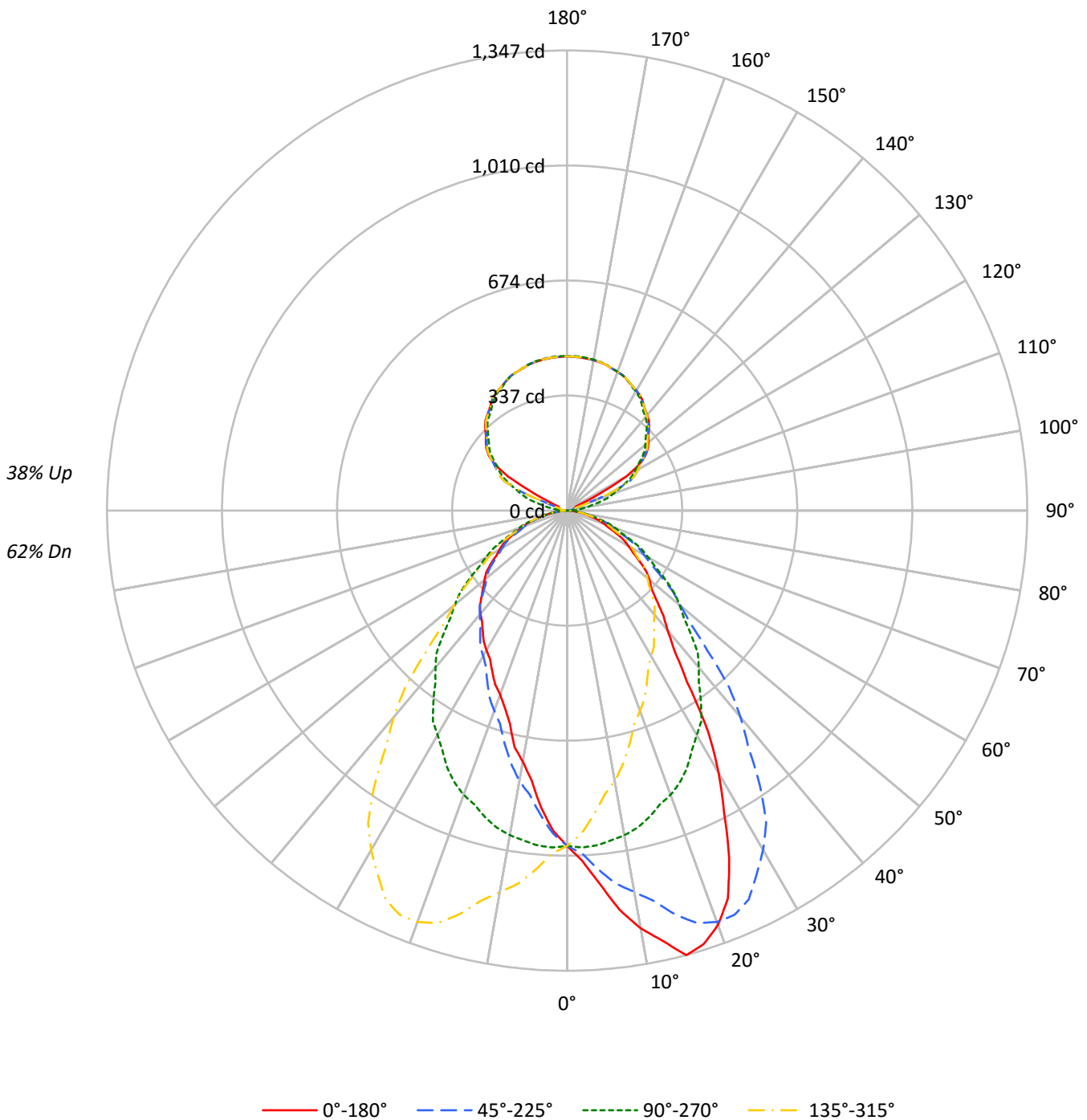
Lumens per Lamp: N/A  
Luminaire Lumens: 3488.5 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 27.5  
Input Voltage (V): 120  
Input Current (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: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P331285-840

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**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 | 90 | 90 | 90 | 78 | 78 | 78 | 67 | 67 | 67 | 62 |
| 1   | 101 | 97  | 93  | 90  | 95  | 91  | 88  | 85  | 80 | 77 | 75 | 70 | 68 | 66 | 60 | 59 | 58 | 53 |
| 2   | 93  | 85  | 79  | 74  | 87  | 80  | 75  | 71  | 71 | 67 | 63 | 62 | 59 | 56 | 54 | 52 | 50 | 46 |
| 3   | 85  | 76  | 68  | 63  | 79  | 71  | 65  | 60  | 63 | 58 | 54 | 55 | 52 | 48 | 48 | 45 | 43 | 39 |
| 4   | 78  | 67  | 60  | 54  | 73  | 64  | 57  | 51  | 56 | 51 | 47 | 50 | 45 | 42 | 44 | 40 | 38 | 34 |
| 5   | 72  | 60  | 52  | 46  | 67  | 57  | 50  | 45  | 51 | 45 | 41 | 45 | 40 | 37 | 40 | 36 | 33 | 30 |
| 6   | 66  | 55  | 47  | 41  | 62  | 52  | 44  | 39  | 46 | 40 | 36 | 41 | 36 | 33 | 36 | 32 | 30 | 27 |
| 7   | 62  | 49  | 42  | 36  | 58  | 47  | 40  | 35  | 42 | 36 | 32 | 37 | 33 | 29 | 33 | 29 | 27 | 24 |
| 8   | 57  | 45  | 37  | 32  | 54  | 43  | 36  | 31  | 39 | 33 | 29 | 34 | 30 | 26 | 31 | 27 | 24 | 22 |
| 9   | 54  | 41  | 34  | 29  | 50  | 39  | 33  | 28  | 35 | 30 | 26 | 32 | 27 | 24 | 28 | 25 | 22 | 20 |
| 10  | 50  | 38  | 31  | 26  | 47  | 36  | 30  | 25  | 33 | 27 | 23 | 30 | 25 | 22 | 26 | 23 | 20 | 18 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15844 | 15844 | 15844 | 15844 |
| 5°  | 17763 | 15948 | 14131 | 15948 |
| 10° | 20354 | 15816 | 12231 | 15816 |
| 15° | 22519 | 15527 | 10805 | 15527 |
| 20° | 22175 | 15216 | 9850  | 15216 |
| 25° | 19996 | 14801 | 9246  | 14801 |
| 30° | 16524 | 14139 | 8804  | 14139 |
| 35° | 12043 | 13448 | 8489  | 13448 |
| 40° | 9619  | 12631 | 8315  | 12631 |
| 45° | 8405  | 11686 | 8079  | 11686 |
| 50° | 7902  | 10771 | 7920  | 10771 |
| 55° | 7282  | 9841  | 7707  | 9841  |
| 60° | 6675  | 8854  | 7379  | 8854  |
| 65° | 6082  | 7966  | 7060  | 7966  |
| 70° | 5519  | 7105  | 6590  | 7105  |
| 75° | 4897  | 6145  | 5833  | 6145  |
| 80° | 4203  | 5086  | 4695  | 5086  |
| 85° | 3779  | 3779  | 2779  | 3779  |



TEST NUMBER: P331285-840

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 93.5   | 2.7       |
| 10°-20°   | 271.7  | 7.8       |
| 20°-30°   | 394.3  | 11.3      |
| 30°-40°   | 416.1  | 11.9      |
| 40°-50°   | 368.4  | 10.6      |
| 50°-60°   | 294.0  | 8.4       |
| 60°-70°   | 199.8  | 5.7       |
| 70°-80°   | 102.5  | 2.9       |
| 80°-90°   | 25.8   | 0.7       |
| 90°-100°  | 15.1   | 0.4       |
| 100°-110° | 55.2   | 1.6       |
| 110°-120° | 147.6  | 4.2       |
| 120°-130° | 243.6  | 7.0       |
| 130°-140° | 259.0  | 7.4       |
| 140°-150° | 240.8  | 6.9       |
| 150°-160° | 193.6  | 5.5       |
| 160°-170° | 124.7  | 3.6       |
| 170°-180° | 42.9   | 1.2       |
| 0°-30°    | 759.5  | 21.8      |
| 0°-40°    | 1175.6 | 33.7      |
| 0°-60°    | 1838.0 | 52.7      |
| 0°-90°    | 2166.1 | 62.1      |
| 90°-120°  | 217.8  | 6.2       |
| 90°-150°  | 961.2  | 27.6      |
| 90°-180°  | 1322.0 | 37.9      |
| 0°-180°   | 3488.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90° | 180° | 270° | 360° | Flux |
|------|------|-----|------|------|------|------|
| 0°   | 981  | 981 | 981  | 981  | 981  |      |
| 5°   | 1096 | 984 | 872  | 984  | 1096 | 109  |
| 15°  | 1347 | 929 | 646  | 929  | 1347 | 372  |
| 25°  | 1122 | 831 | 519  | 831  | 1122 | 507  |
| 35°  | 611  | 682 | 431  | 682  | 611  | 397  |
| 45°  | 368  | 512 | 354  | 512  | 368  | 289  |
| 55°  | 259  | 350 | 274  | 350  | 259  | 232  |
| 65°  | 159  | 208 | 185  | 208  | 159  | 158  |
| 75°  | 78   | 98  | 94   | 98   | 78   | 84   |
| 85°  | 20   | 20  | 15   | 20   | 20   | 23   |
| 90°  | 9    | 0   | 9    | 0    | 9    | 5    |
| 95°  | 14   | 21  | 14   | 21   | 14   | 13   |
| 105° | 25   | 99  | 25   | 99   | 25   | 26   |
| 115° | 27   | 188 | 27   | 188  | 27   | 67   |
| 125° | 279  | 266 | 279  | 266  | 279  | 242  |
| 135° | 339  | 328 | 339  | 328  | 339  | 261  |
| 145° | 387  | 381 | 387  | 381  | 387  | 242  |
| 155° | 420  | 420 | 420  | 420  | 420  | 194  |
| 165° | 441  | 442 | 441  | 442  | 441  | 125  |
| 175° | 450  | 452 | 450  | 452  | 450  | 43   |
| 180° | 451  | 451 | 451  | 451  | 451  |      |



TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  |
| 2.5°   | 1026.6 | 1026.9 | 1027.4 | 1022.7 | 1022.1 | 1022.1 | 1017.8 | 1014.2 | 1010.0 | 1004.2 | 1004.8 |
| 5°     | 1096.0 | 1100.1 | 1101.7 | 1097.1 | 1090.4 | 1089.5 | 1083.2 | 1072.6 | 1062.8 | 1054.9 | 1049.2 |
| 7.5°   | 1178.8 | 1180.4 | 1176.8 | 1170.8 | 1165.8 | 1156.7 | 1144.8 | 1133.1 | 1116.7 | 1101.7 | 1090.6 |
| 10°    | 1241.5 | 1243.9 | 1237.4 | 1228.7 | 1221.5 | 1211.0 | 1193.7 | 1175.9 | 1154.5 | 1133.7 | 1117.1 |
| 12.5°  | 1289.2 | 1294.8 | 1286.6 | 1285.5 | 1273.1 | 1258.7 | 1238.0 | 1229.0 | 1198.8 | 1169.9 | 1152.1 |
| 15°    | 1347.2 | 1346.8 | 1347.6 | 1340.4 | 1331.3 | 1329.1 | 1307.2 | 1283.4 | 1240.8 | 1223.9 | 1194.4 |
| 17.5°  | 1330.4 | 1336.2 | 1338.8 | 1338.7 | 1338.5 | 1337.1 | 1330.0 | 1315.0 | 1293.6 | 1266.2 | 1232.2 |
| 20°    | 1290.6 | 1298.1 | 1299.3 | 1308.0 | 1312.8 | 1319.3 | 1321.9 | 1317.8 | 1304.5 | 1281.5 | 1252.1 |
| 22.5°  | 1229.0 | 1231.1 | 1234.7 | 1248.2 | 1258.8 | 1274.9 | 1283.2 | 1297.2 | 1292.1 | 1280.9 | 1256.4 |
| 25°    | 1122.4 | 1118.6 | 1131.8 | 1138.6 | 1163.1 | 1188.7 | 1207.2 | 1227.6 | 1245.7 | 1256.7 | 1249.5 |
| 27.5°  | 994.3  | 988.7  | 1008.5 | 1026.4 | 1046.3 | 1074.1 | 1102.9 | 1136.9 | 1165.2 | 1200.6 | 1212.7 |
| 30°    | 886.3  | 889.7  | 908.6  | 927.8  | 958.0  | 997.1  | 1029.6 | 1066.9 | 1107.3 | 1146.9 | 1174.4 |
| 32.5°  | 769.8  | 782.8  | 794.8  | 824.3  | 850.8  | 894.5  | 942.1  | 988.8  | 1039.2 | 1084.1 | 1126.7 |
| 35°    | 611.0  | 626.0  | 642.7  | 664.2  | 701.5  | 744.9  | 791.2  | 854.2  | 922.9  | 984.3  | 1034.9 |
| 37.5°  | 514.2  | 511.9  | 521.4  | 536.9  | 567.1  | 602.2  | 655.5  | 717.8  | 798.6  | 870.8  | 942.1  |
| 40°    | 456.4  | 454.8  | 461.6  | 475.9  | 499.0  | 524.6  | 571.4  | 626.0  | 701.1  | 789.3  | 874.2  |
| 42.5°  | 416.5  | 417.4  | 421.2  | 431.3  | 447.1  | 468.2  | 503.2  | 549.8  | 618.4  | 701.6  | 792.7  |
| 45°    | 368.1  | 370.7  | 374.9  | 379.8  | 388.8  | 406.2  | 425.8  | 459.0  | 513.3  | 582.7  | 672.5  |
| 47.5°  | 333.3  | 333.4  | 337.5  | 341.8  | 347.2  | 357.0  | 373.0  | 393.8  | 432.1  | 488.7  | 565.8  |
| 50°    | 314.6  | 311.8  | 314.9  | 318.3  | 324.0  | 330.7  | 341.3  | 360.9  | 386.6  | 432.2  | 496.7  |
| 52.5°  | 291.6  | 291.6  | 294.4  | 295.7  | 300.7  | 307.5  | 317.2  | 330.7  | 354.0  | 389.7  | 442.7  |
| 55°    | 258.7  | 260.6  | 262.2  | 264.4  | 268.9  | 273.8  | 281.3  | 290.4  | 308.5  | 335.3  | 374.5  |
| 57.5°  | 227.8  | 228.4  | 229.9  | 234.2  | 237.1  | 241.6  | 248.7  | 257.0  | 268.7  | 288.6  | 318.1  |
| 60°    | 206.7  | 206.7  | 209.6  | 211.6  | 215.3  | 219.8  | 225.5  | 233.5  | 244.0  | 260.2  | 284.0  |
| 62.5°  | 187.3  | 187.0  | 188.2  | 191.4  | 194.2  | 198.4  | 204.1  | 210.9  | 220.8  | 235.2  | 254.7  |
| 65°    | 159.2  | 158.4  | 160.7  | 161.4  | 164.4  | 168.5  | 173.1  | 180.3  | 188.2  | 198.7  | 216.1  |
| 67.5°  | 132.0  | 132.9  | 134.1  | 135.5  | 137.2  | 141.6  | 144.6  | 149.7  | 156.3  | 165.1  | 176.9  |
| 70°    | 116.9  | 116.9  | 116.9  | 118.1  | 120.3  | 122.6  | 125.6  | 129.8  | 136.1  | 143.7  | 154.2  |
| 72.5°  | 100.0  | 101.2  | 102.4  | 101.8  | 104.6  | 105.9  | 109.6  | 111.9  | 118.1  | 122.9  | 132.2  |
| 75°    | 78.5   | 78.5   | 78.5   | 80.3   | 81.5   | 82.6   | 84.8   | 87.2   | 90.2   | 96.1   | 101.1  |
| 77.5°  | 58.6   | 58.4   | 58.8   | 59.2   | 60.4   | 61.8   | 62.4   | 64.5   | 67.3   | 70.1   | 74.2   |
| 80°    | 45.2   | 46.0   | 46.4   | 47.2   | 47.2   | 47.9   | 48.3   | 50.9   | 52.8   | 54.7   | 57.4   |
| 82.5°  | 35.0   | 35.1   | 35.2   | 35.3   | 35.6   | 36.2   | 37.1   | 38.0   | 38.6   | 40.2   | 42.2   |
| 85°    | 20.4   | 20.0   | 20.0   | 20.7   | 20.4   | 20.4   | 21.1   | 21.9   | 21.9   | 22.2   | 23.4   |
| 87.5°  | 9.6    | 9.6    | 9.9    | 9.5    | 9.5    | 9.7    | 9.7    | 9.3    | 9.5    | 9.8    | 9.9    |
| 90°    | 8.8    | 8.7    | 8.5    | 8.4    | 8.3    | 8.0    | 7.6    | 7.3    | 6.9    | 6.6    | 6.0    |
| 92.5°  | 8.8    | 8.7    | 8.7    | 8.6    | 8.5    | 8.3    | 8.2    | 8.0    | 7.8    | 7.6    | 7.3    |
| 95°    | 14.0   | 14.1   | 14.1   | 14.2   | 14.3   | 14.1   | 13.8   | 13.4   | 13.1   | 12.7   | 12.2   |
| 97.5°  | 18.8   | 18.7   | 18.6   | 18.5   | 18.4   | 18.2   | 17.9   | 17.7   | 17.4   | 17.1   | 15.9   |
| 100°   | 21.9   | 21.7   | 21.6   | 21.4   | 21.3   | 20.9   | 20.4   | 19.8   | 19.2   | 18.6   | 17.4   |
| 102.5° | 23.4   | 23.2   | 23.0   | 22.8   | 22.6   | 22.1   | 21.4   | 20.6   | 19.9   | 19.1   | 29.5   |
| 105°   | 24.8   | 24.5   | 24.2   | 23.9   | 23.6   | 23.1   | 22.3   | 21.5   | 20.7   | 19.9   | 39.7   |
| 107.5° | 25.5   | 25.2   | 24.9   | 24.6   | 24.3   | 24.6   | 25.4   | 26.3   | 27.1   | 27.9   | 51.6   |
| 110°   | 25.8   | 25.5   | 25.2   | 24.9   | 24.6   | 28.1   | 35.3   | 42.6   | 49.9   | 57.2   | 78.1   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 26.1  | 25.9  | 25.5  | 25.3  | 25.1  | 38.3  | 64.7  | 91.2  | 117.6 | 144.1 | 149.3 |
| 115°   | 26.8  | 32.0  | 37.3  | 42.4  | 47.7  | 67.1  | 100.7 | 134.3 | 167.8 | 201.5 | 199.7 |
| 117.5° | 109.4 | 126.5 | 143.7 | 160.9 | 178.0 | 190.7 | 198.7 | 206.9 | 215.0 | 223.2 | 221.9 |
| 120°   | 199.1 | 208.9 | 218.7 | 228.5 | 238.3 | 242.8 | 242.0 | 241.1 | 240.2 | 239.3 | 238.0 |
| 122.5° | 248.5 | 250.4 | 252.4 | 254.3 | 256.1 | 256.8 | 256.3 | 255.8 | 255.3 | 254.8 | 253.4 |
| 125°   | 279.1 | 278.9 | 278.7 | 278.5 | 278.3 | 277.9 | 277.4 | 276.9 | 276.4 | 275.9 | 274.5 |
| 127.5° | 298.5 | 298.4 | 298.4 | 298.4 | 298.3 | 297.9 | 297.2 | 296.5 | 295.7 | 295.0 | 294.0 |
| 130°   | 310.5 | 310.6 | 310.6 | 310.7 | 310.8 | 310.4 | 309.6 | 308.8 | 308.0 | 307.3 | 306.5 |
| 132.5° | 322.2 | 322.3 | 322.4 | 322.4 | 322.6 | 322.2 | 321.5 | 320.9 | 320.2 | 319.5 | 318.7 |
| 135°   | 339.2 | 339.4 | 339.5 | 339.7 | 339.8 | 339.5 | 338.8 | 338.1 | 337.4 | 336.7 | 336.0 |
| 137.5° | 354.8 | 355.0 | 355.3 | 355.5 | 355.7 | 355.5 | 354.8 | 354.1 | 353.4 | 352.6 | 351.9 |
| 140°   | 364.4 | 364.8 | 365.2 | 365.5 | 365.9 | 365.7 | 365.1 | 364.4 | 363.8 | 363.0 | 362.3 |
| 142.5° | 373.8 | 374.2 | 374.6 | 374.9 | 375.3 | 375.2 | 374.6 | 374.0 | 373.3 | 372.7 | 371.8 |
| 145°   | 386.9 | 387.3 | 387.7 | 388.0 | 388.4 | 388.3 | 387.8 | 387.3 | 386.8 | 386.3 | 385.1 |
| 147.5° | 398.5 | 398.8 | 399.1 | 399.4 | 399.7 | 399.7 | 399.3 | 398.9 | 398.5 | 398.2 | 397.0 |
| 150°   | 405.6 | 405.9 | 406.3 | 406.7 | 407.0 | 407.0 | 406.5 | 406.1 | 405.7 | 405.3 | 404.0 |
| 152.5° | 411.5 | 412.0 | 412.5 | 412.9 | 413.4 | 413.4 | 413.0 | 412.6 | 412.1 | 411.7 | 410.6 |
| 155°   | 419.9 | 420.5 | 421.1 | 421.6 | 422.2 | 422.3 | 421.8 | 421.4 | 421.0 | 420.5 | 419.7 |
| 157.5° | 427.6 | 428.1 | 428.7 | 429.2 | 429.8 | 429.8 | 429.4 | 428.9 | 428.4 | 427.9 | 427.3 |
| 160°   | 432.0 | 432.5 | 433.0 | 433.5 | 434.0 | 434.0 | 433.6 | 433.2 | 432.7 | 432.3 | 431.9 |
| 162.5° | 435.7 | 436.3 | 436.9 | 437.5 | 438.2 | 438.2 | 437.7 | 437.2 | 436.8 | 436.3 | 435.9 |
| 165°   | 441.1 | 441.6 | 442.1 | 442.6 | 443.1 | 443.1 | 442.6 | 442.1 | 441.6 | 441.1 | 440.9 |
| 167.5° | 444.5 | 445.2 | 445.9 | 446.6 | 447.2 | 447.3 | 446.8 | 446.3 | 445.8 | 445.2 | 445.0 |
| 170°   | 446.7 | 447.4 | 448.0 | 448.7 | 449.3 | 449.4 | 448.9 | 448.4 | 447.9 | 447.4 | 447.2 |
| 172.5° | 448.3 | 448.9 | 449.6 | 450.2 | 450.9 | 450.9 | 450.4 | 449.9 | 449.4 | 448.9 | 448.8 |
| 175°   | 449.6 | 450.3 | 451.1 | 451.8 | 452.5 | 452.6 | 452.1 | 451.6 | 451.1 | 450.6 | 450.5 |
| 177.5° | 450.5 | 451.0 | 451.5 | 452.0 | 452.5 | 452.6 | 452.2 | 451.8 | 451.4 | 451.0 | 450.9 |
| 180°   | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°     | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5°   | 1006.9 | 1004.5 | 1003.0 | 997.6  | 992.8  | 988.0  | 986.4 | 987.0 | 980.4 | 974.1 | 971.4 |
| 5°     | 1046.2 | 1038.6 | 1031.5 | 1021.3 | 1009.3 | 996.0  | 989.3 | 984.0 | 970.8 | 956.4 | 948.2 |
| 7.5°   | 1081.4 | 1070.6 | 1056.7 | 1037.6 | 1020.1 | 999.3  | 986.0 | 974.4 | 955.0 | 934.8 | 922.5 |
| 10°    | 1102.8 | 1088.0 | 1070.4 | 1046.9 | 1025.4 | 1000.2 | 982.5 | 964.7 | 942.1 | 918.0 | 902.9 |
| 12.5°  | 1121.2 | 1101.4 | 1083.9 | 1053.9 | 1028.4 | 996.8  | 975.8 | 950.9 | 927.1 | 898.4 | 883.5 |
| 15°    | 1165.0 | 1128.4 | 1095.2 | 1061.3 | 1030.0 | 985.8  | 962.5 | 928.9 | 897.6 | 862.1 | 845.2 |
| 17.5°  | 1198.8 | 1157.7 | 1105.5 | 1062.4 | 1025.8 | 976.9  | 942.6 | 902.4 | 865.4 | 824.9 | 801.8 |
| 20°    | 1218.2 | 1171.0 | 1114.8 | 1063.6 | 1019.8 | 964.0  | 926.7 | 885.6 | 842.1 | 796.5 | 771.6 |
| 22.5°  | 1229.6 | 1180.1 | 1124.5 | 1059.0 | 1007.7 | 953.4  | 906.5 | 861.4 | 817.4 | 768.2 | 742.0 |
| 25°    | 1233.2 | 1188.0 | 1129.1 | 1055.2 | 992.6  | 931.2  | 874.5 | 830.8 | 777.7 | 731.6 | 693.6 |
| 27.5°  | 1215.3 | 1182.9 | 1126.3 | 1048.1 | 975.2  | 903.3  | 840.3 | 790.7 | 734.6 | 684.7 | 646.3 |
| 30°    | 1193.3 | 1174.4 | 1119.3 | 1040.9 | 961.3  | 884.0  | 814.7 | 758.4 | 702.7 | 652.1 | 612.9 |
| 32.5°  | 1159.2 | 1155.1 | 1106.7 | 1030.7 | 946.5  | 859.6  | 787.8 | 730.9 | 669.1 | 619.5 | 582.1 |
| 35°    | 1092.2 | 1110.3 | 1079.7 | 1007.7 | 918.7  | 824.9  | 747.1 | 682.3 | 618.1 | 570.6 | 535.5 |
| 37.5°  | 1002.5 | 1047.4 | 1039.5 | 974.1  | 881.1  | 787.0  | 701.1 | 633.4 | 572.3 | 524.3 | 489.9 |
| 40°    | 940.6  | 997.9  | 1006.2 | 948.5  | 854.6  | 757.7  | 666.8 | 599.3 | 539.7 | 495.9 | 461.2 |
| 42.5°  | 874.2  | 941.2  | 964.0  | 917.8  | 825.7  | 726.9  | 636.0 | 566.1 | 507.2 | 464.5 | 433.8 |
| 45°    | 763.0  | 851.6  | 892.7  | 866.3  | 777.3  | 676.2  | 582.7 | 511.8 | 458.3 | 418.3 | 394.5 |
| 47.5°  | 658.9  | 755.8  | 811.1  | 801.7  | 723.5  | 623.4  | 531.0 | 462.9 | 410.8 | 378.9 | 357.6 |
| 50°    | 585.3  | 684.9  | 751.6  | 754.7  | 684.9  | 585.7  | 492.9 | 428.8 | 380.9 | 351.1 | 333.8 |
| 52.5°  | 521.4  | 616.4  | 689.2  | 705.2  | 641.8  | 546.4  | 458.8 | 395.1 | 352.8 | 325.5 | 309.9 |
| 55°    | 437.9  | 518.2  | 599.0  | 628.3  | 577.4  | 486.9  | 405.8 | 349.6 | 310.0 | 291.1 | 277.6 |
| 57.5°  | 364.1  | 431.0  | 505.5  | 538.1  | 506.6  | 429.2  | 353.1 | 304.4 | 272.3 | 255.7 | 245.3 |
| 60°    | 325.1  | 377.9  | 444.2  | 483.1  | 456.0  | 387.0  | 320.5 | 274.2 | 247.8 | 233.1 | 223.3 |
| 62.5°  | 288.9  | 335.7  | 391.7  | 427.3  | 412.5  | 347.4  | 288.0 | 247.0 | 224.3 | 210.5 | 203.4 |
| 65°    | 238.3  | 275.3  | 318.7  | 351.5  | 341.7  | 292.3  | 243.7 | 208.5 | 190.5 | 179.6 | 173.9 |
| 67.5°  | 196.2  | 223.0  | 253.1  | 281.8  | 273.9  | 238.8  | 199.9 | 172.5 | 159.0 | 149.6 | 146.2 |
| 70°    | 169.8  | 190.1  | 216.8  | 239.8  | 233.5  | 204.8  | 173.9 | 150.5 | 138.8 | 130.9 | 127.4 |
| 72.5°  | 144.4  | 161.1  | 181.6  | 200.4  | 196.0  | 172.2  | 146.4 | 128.8 | 119.8 | 112.5 | 109.7 |
| 75°    | 109.0  | 121.8  | 134.3  | 146.7  | 145.6  | 127.1  | 112.0 | 98.5  | 91.3  | 85.6  | 84.5  |
| 77.5°  | 80.5   | 87.7   | 96.1   | 103.5  | 101.5  | 90.9   | 79.1  | 71.3  | 66.0  | 62.2  | 61.6  |
| 80°    | 61.5   | 65.6   | 71.7   | 77.0   | 74.3   | 69.8   | 60.4  | 54.7  | 50.9  | 47.2  | 45.6  |
| 82.5°  | 44.5   | 48.8   | 52.3   | 55.2   | 53.2   | 49.0   | 43.1  | 39.3  | 37.1  | 34.4  | 33.8  |
| 85°    | 23.4   | 25.7   | 27.2   | 27.9   | 27.2   | 24.5   | 21.9  | 20.4  | 18.5  | 17.4  | 17.0  |
| 87.5°  | 10.1   | 10.0   | 9.9    | 10.4   | 9.3    | 9.1    | 7.8   | 6.7   | 6.6   | 6.5   | 6.0   |
| 90°    | 5.4    | 4.7    | 4.2    | 3.5    | 2.7    | 1.9    | 1.1   | 0.3   | 1.1   | 1.9   | 2.7   |
| 92.5°  | 7.0    | 6.7    | 6.5    | 6.3    | 6.4    | 6.5    | 6.6   | 6.6   | 6.6   | 6.5   | 6.4   |
| 95°    | 11.7   | 11.2   | 10.7   | 11.6   | 14.0   | 16.5   | 18.8  | 21.2  | 18.8  | 16.5  | 14.0  |
| 97.5°  | 14.6   | 13.5   | 12.3   | 15.1   | 21.9   | 28.6   | 35.3  | 42.1  | 35.3  | 28.6  | 21.9  |
| 100°   | 16.2   | 14.9   | 13.6   | 18.1   | 28.0   | 37.9   | 47.9  | 57.8  | 47.9  | 37.9  | 28.0  |
| 102.5° | 39.8   | 50.1   | 60.4   | 66.7   | 68.8   | 70.8   | 72.9  | 75.0  | 72.9  | 70.8  | 68.8  |
| 105°   | 59.6   | 79.4   | 99.2   | 108.0  | 105.8  | 103.6  | 101.4 | 99.3  | 101.4 | 103.6 | 105.8 |
| 107.5° | 75.4   | 99.2   | 122.9  | 133.9  | 132.2  | 130.4  | 128.7 | 126.8 | 128.7 | 130.4 | 132.2 |
| 110°   | 99.1   | 120.1  | 141.0  | 150.8  | 149.3  | 147.7  | 146.1 | 144.6 | 146.1 | 147.7 | 149.3 |





TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 154.5 | 159.7 | 164.8 | 166.7 | 165.4 | 164.1 | 162.7 | 161.4 | 162.7 | 164.1 | 165.4 |
| 115°   | 197.8 | 196.0 | 194.2 | 192.7 | 191.5 | 190.3 | 188.9 | 187.7 | 188.9 | 190.3 | 191.5 |
| 117.5° | 220.7 | 219.4 | 218.1 | 216.8 | 215.5 | 214.1 | 212.7 | 211.4 | 212.7 | 214.1 | 215.5 |
| 120°   | 236.7 | 235.4 | 234.1 | 232.9 | 231.9 | 230.8 | 229.6 | 228.5 | 229.6 | 230.8 | 231.9 |
| 122.5° | 251.9 | 250.4 | 249.0 | 247.8 | 246.6 | 245.5 | 244.4 | 243.2 | 244.4 | 245.5 | 246.6 |
| 125°   | 273.2 | 271.8 | 270.4 | 269.2 | 268.3 | 267.3 | 266.4 | 265.5 | 266.4 | 267.3 | 268.3 |
| 127.5° | 293.0 | 291.9 | 290.8 | 289.8 | 288.8 | 287.7 | 286.7 | 285.6 | 286.7 | 287.7 | 288.8 |
| 130°   | 305.7 | 304.9 | 304.1 | 303.1 | 301.9 | 300.7 | 299.6 | 298.4 | 299.6 | 300.7 | 301.9 |
| 132.5° | 317.9 | 317.1 | 316.3 | 315.5 | 314.5 | 313.5 | 312.5 | 311.5 | 312.5 | 313.5 | 314.5 |
| 135°   | 335.4 | 334.7 | 334.1 | 333.2 | 331.9 | 330.8 | 329.6 | 328.5 | 329.6 | 330.8 | 331.9 |
| 137.5° | 351.1 | 350.4 | 349.7 | 348.9 | 348.1 | 347.3 | 346.5 | 345.7 | 346.5 | 347.3 | 348.1 |
| 140°   | 361.5 | 360.7 | 359.9 | 359.2 | 358.6 | 358.0 | 357.5 | 356.9 | 357.5 | 358.0 | 358.6 |
| 142.5° | 370.9 | 370.0 | 369.1 | 368.4 | 367.9 | 367.3 | 366.8 | 366.3 | 366.8 | 367.3 | 367.9 |
| 145°   | 383.8 | 382.5 | 381.3 | 380.7 | 380.8 | 380.9 | 381.0 | 381.0 | 381.0 | 380.9 | 380.8 |
| 147.5° | 395.8 | 394.5 | 393.2 | 392.8 | 393.0 | 393.3 | 393.6 | 393.9 | 393.6 | 393.3 | 393.0 |
| 150°   | 402.9 | 401.7 | 400.6 | 400.2 | 400.7 | 401.2 | 401.7 | 402.2 | 401.7 | 401.2 | 400.7 |
| 152.5° | 409.5 | 408.4 | 407.3 | 407.1 | 407.6 | 408.2 | 408.8 | 409.3 | 408.8 | 408.2 | 407.6 |
| 155°   | 418.8 | 418.0 | 417.1 | 417.0 | 417.6 | 418.3 | 418.9 | 419.6 | 418.9 | 418.3 | 417.6 |
| 157.5° | 426.7 | 426.1 | 425.5 | 425.4 | 426.0 | 426.5 | 427.1 | 427.6 | 427.1 | 426.5 | 426.0 |
| 160°   | 431.4 | 431.0 | 430.6 | 430.6 | 431.0 | 431.4 | 431.9 | 432.3 | 431.9 | 431.4 | 431.0 |
| 162.5° | 435.5 | 435.0 | 434.7 | 434.7 | 435.2 | 435.7 | 436.1 | 436.5 | 436.1 | 435.7 | 435.2 |
| 165°   | 440.7 | 440.5 | 440.3 | 440.4 | 440.8 | 441.2 | 441.7 | 442.1 | 441.7 | 441.2 | 440.8 |
| 167.5° | 444.8 | 444.6 | 444.4 | 444.5 | 444.9 | 445.5 | 445.9 | 446.3 | 445.9 | 445.5 | 444.9 |
| 170°   | 447.1 | 446.9 | 446.8 | 446.9 | 447.4 | 447.8 | 448.2 | 448.7 | 448.2 | 447.8 | 447.4 |
| 172.5° | 448.6 | 448.5 | 448.3 | 448.5 | 448.9 | 449.3 | 449.8 | 450.2 | 449.8 | 449.3 | 448.9 |
| 175°   | 450.3 | 450.2 | 450.0 | 450.2 | 450.7 | 451.2 | 451.7 | 452.2 | 451.7 | 451.2 | 450.7 |
| 177.5° | 450.9 | 450.8 | 450.8 | 450.9 | 451.3 | 451.7 | 452.1 | 452.5 | 452.1 | 451.7 | 451.3 |
| 180°   | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 |



TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5°   | 968.4 | 966.5 | 960.2 | 956.8 | 951.5 | 946.3 | 943.0 | 944.5 | 945.7 | 945.1 | 944.2 |
| 5°     | 940.6 | 933.4 | 922.5 | 913.0 | 906.3 | 893.8 | 888.6 | 886.0 | 883.6 | 881.0 | 878.4 |
| 7.5°   | 907.6 | 896.3 | 880.6 | 867.2 | 854.4 | 839.0 | 830.2 | 824.9 | 819.4 | 813.4 | 808.2 |
| 10°    | 884.0 | 868.2 | 851.6 | 832.7 | 817.7 | 803.7 | 791.2 | 782.9 | 775.4 | 768.2 | 763.0 |
| 12.5°  | 859.3 | 841.0 | 820.5 | 794.8 | 778.1 | 758.1 | 756.3 | 741.6 | 729.8 | 725.4 | 719.2 |
| 15°    | 819.9 | 794.3 | 768.2 | 737.7 | 724.5 | 706.4 | 695.1 | 683.8 | 673.6 | 666.4 | 664.5 |
| 17.5°  | 775.2 | 741.9 | 716.1 | 694.2 | 672.6 | 654.0 | 643.6 | 634.5 | 626.1 | 616.5 | 615.3 |
| 20°    | 741.0 | 712.5 | 684.2 | 664.9 | 642.7 | 623.8 | 611.0 | 601.9 | 594.7 | 589.1 | 584.2 |
| 22.5°  | 708.8 | 677.4 | 651.6 | 630.5 | 608.5 | 593.3 | 583.2 | 574.5 | 568.6 | 562.3 | 557.6 |
| 25°    | 657.0 | 632.5 | 604.2 | 580.5 | 562.3 | 552.5 | 544.2 | 536.6 | 532.9 | 528.8 | 523.5 |
| 27.5°  | 611.7 | 584.4 | 558.0 | 539.6 | 523.6 | 514.9 | 509.1 | 503.9 | 500.4 | 498.0 | 494.9 |
| 30°    | 579.7 | 552.1 | 531.4 | 513.3 | 500.1 | 491.4 | 487.7 | 484.6 | 480.5 | 479.0 | 477.5 |
| 32.5°  | 548.9 | 524.1 | 506.3 | 490.7 | 478.1 | 472.4 | 469.0 | 466.3 | 463.0 | 461.5 | 458.5 |
| 35°    | 505.3 | 484.6 | 467.3 | 458.6 | 448.4 | 443.5 | 440.9 | 437.1 | 434.1 | 432.6 | 432.2 |
| 37.5°  | 464.4 | 446.4 | 434.9 | 423.8 | 419.5 | 416.5 | 412.9 | 410.3 | 409.4 | 409.2 | 408.8 |
| 40°    | 437.9 | 423.1 | 412.9 | 403.9 | 402.0 | 397.5 | 394.5 | 392.2 | 392.2 | 392.6 | 392.2 |
| 42.5°  | 413.7 | 400.5 | 391.5 | 383.7 | 381.5 | 378.8 | 375.8 | 375.7 | 376.3 | 377.5 | 376.3 |
| 45°    | 377.2 | 367.7 | 361.3 | 357.5 | 353.4 | 350.7 | 350.3 | 351.5 | 351.8 | 352.2 | 353.4 |
| 47.5°  | 343.5 | 337.2 | 331.4 | 327.3 | 325.5 | 325.0 | 324.6 | 326.5 | 328.3 | 329.0 | 330.7 |
| 50°    | 323.6 | 316.4 | 311.5 | 308.9 | 307.4 | 306.6 | 307.4 | 309.6 | 311.1 | 313.1 | 314.2 |
| 52.5°  | 301.2 | 296.2 | 292.9 | 290.7 | 290.1 | 290.6 | 290.7 | 293.4 | 295.8 | 296.4 | 297.0 |
| 55°    | 270.4 | 266.6 | 265.9 | 262.5 | 264.0 | 263.6 | 265.5 | 267.0 | 269.2 | 271.6 | 272.0 |
| 57.5°  | 239.6 | 236.6 | 234.6 | 234.9 | 235.3 | 237.0 | 238.5 | 241.3 | 243.7 | 246.0 | 246.3 |
| 60°    | 219.1 | 217.6 | 216.5 | 216.5 | 217.2 | 219.5 | 221.4 | 224.0 | 225.5 | 227.0 | 228.1 |
| 62.5°  | 200.5 | 198.9 | 197.7 | 198.3 | 200.4 | 201.7 | 203.9 | 205.3 | 206.8 | 208.3 | 208.8 |
| 65°    | 170.9 | 170.1 | 171.3 | 172.0 | 172.4 | 174.2 | 176.9 | 178.0 | 179.6 | 180.3 | 182.9 |
| 67.5°  | 143.6 | 143.8 | 143.6 | 144.7 | 146.8 | 147.3 | 149.8 | 152.5 | 152.8 | 154.2 | 155.9 |
| 70°    | 125.2 | 125.9 | 126.7 | 127.4 | 129.4 | 130.1 | 132.0 | 133.1 | 134.6 | 135.7 | 136.9 |
| 72.5°  | 108.4 | 108.5 | 109.3 | 109.1 | 110.7 | 112.3 | 113.9 | 115.0 | 116.5 | 118.0 | 119.1 |
| 75°    | 83.3  | 83.3  | 84.1  | 84.5  | 86.3  | 88.3  | 87.9  | 88.7  | 90.2  | 91.7  | 92.4  |
| 77.5°  | 60.9  | 60.1  | 60.9  | 61.2  | 61.8  | 63.4  | 63.7  | 64.8  | 66.6  | 66.0  | 66.9  |
| 80°    | 46.4  | 45.2  | 46.4  | 46.8  | 46.8  | 48.7  | 48.7  | 49.4  | 50.5  | 49.4  | 50.5  |
| 82.5°  | 33.1  | 32.6  | 33.4  | 33.5  | 34.1  | 34.1  | 34.7  | 34.9  | 36.1  | 35.5  | 36.1  |
| 85°    | 16.6  | 16.3  | 16.6  | 16.3  | 16.6  | 17.0  | 17.0  | 16.6  | 16.6  | 17.4  | 16.3  |
| 87.5°  | 5.9   | 5.7   | 5.5   | 5.6   | 5.5   | 5.3   | 5.0   | 5.0   | 5.2   | 4.6   | 4.6   |
| 90°    | 3.5   | 4.2   | 4.7   | 5.4   | 6.0   | 6.6   | 6.9   | 7.3   | 7.6   | 8.0   | 8.3   |
| 92.5°  | 6.3   | 6.5   | 6.7   | 7.0   | 7.3   | 7.6   | 7.8   | 8.0   | 8.2   | 8.3   | 8.5   |
| 95°    | 11.6  | 10.7  | 11.2  | 11.7  | 12.2  | 12.7  | 13.1  | 13.4  | 13.8  | 14.1  | 14.3  |
| 97.5°  | 15.1  | 12.3  | 13.5  | 14.6  | 15.9  | 17.1  | 17.4  | 17.7  | 17.9  | 18.2  | 18.4  |
| 100°   | 18.1  | 13.6  | 14.9  | 16.2  | 17.4  | 18.6  | 19.2  | 19.8  | 20.4  | 20.9  | 21.3  |
| 102.5° | 66.7  | 60.4  | 50.1  | 39.8  | 29.5  | 19.1  | 19.9  | 20.6  | 21.4  | 22.1  | 22.6  |
| 105°   | 108.0 | 99.2  | 79.4  | 59.6  | 39.7  | 19.9  | 20.7  | 21.5  | 22.3  | 23.1  | 23.6  |
| 107.5° | 133.9 | 122.9 | 99.2  | 75.4  | 51.6  | 27.9  | 27.1  | 26.3  | 25.4  | 24.6  | 24.3  |
| 110°   | 150.8 | 141.0 | 120.1 | 99.1  | 78.1  | 57.2  | 49.9  | 42.6  | 35.3  | 28.1  | 24.6  |



TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 166.7 | 164.8 | 159.7 | 154.5 | 149.3 | 144.1 | 117.6 | 91.2  | 64.7  | 38.3  | 25.1  |
| 115°   | 192.7 | 194.2 | 196.0 | 197.8 | 199.7 | 201.5 | 167.8 | 134.3 | 100.7 | 67.1  | 47.7  |
| 117.5° | 216.8 | 218.1 | 219.4 | 220.7 | 221.9 | 223.2 | 215.0 | 206.9 | 198.7 | 190.7 | 178.0 |
| 120°   | 232.9 | 234.1 | 235.4 | 236.7 | 238.0 | 239.3 | 240.2 | 241.1 | 242.0 | 242.8 | 238.3 |
| 122.5° | 247.8 | 249.0 | 250.4 | 251.9 | 253.4 | 254.8 | 255.3 | 255.8 | 256.3 | 256.8 | 256.1 |
| 125°   | 269.2 | 270.4 | 271.8 | 273.2 | 274.5 | 275.9 | 276.4 | 276.9 | 277.4 | 277.9 | 278.3 |
| 127.5° | 289.8 | 290.8 | 291.9 | 293.0 | 294.0 | 295.0 | 295.7 | 296.5 | 297.2 | 297.9 | 298.3 |
| 130°   | 303.1 | 304.1 | 304.9 | 305.7 | 306.5 | 307.3 | 308.0 | 308.8 | 309.6 | 310.4 | 310.8 |
| 132.5° | 315.5 | 316.3 | 317.1 | 317.9 | 318.7 | 319.5 | 320.2 | 320.9 | 321.5 | 322.2 | 322.6 |
| 135°   | 333.2 | 334.1 | 334.7 | 335.4 | 336.0 | 336.7 | 337.4 | 338.1 | 338.8 | 339.5 | 339.8 |
| 137.5° | 348.9 | 349.7 | 350.4 | 351.1 | 351.9 | 352.6 | 353.4 | 354.1 | 354.8 | 355.5 | 355.7 |
| 140°   | 359.2 | 359.9 | 360.7 | 361.5 | 362.3 | 363.0 | 363.8 | 364.4 | 365.1 | 365.7 | 365.9 |
| 142.5° | 368.4 | 369.1 | 370.0 | 370.9 | 371.8 | 372.7 | 373.3 | 374.0 | 374.6 | 375.2 | 375.3 |
| 145°   | 380.7 | 381.3 | 382.5 | 383.8 | 385.1 | 386.3 | 386.8 | 387.3 | 387.8 | 388.3 | 388.4 |
| 147.5° | 392.8 | 393.2 | 394.5 | 395.8 | 397.0 | 398.2 | 398.5 | 398.9 | 399.3 | 399.7 | 399.7 |
| 150°   | 400.2 | 400.6 | 401.7 | 402.9 | 404.0 | 405.3 | 405.7 | 406.1 | 406.5 | 407.0 | 407.0 |
| 152.5° | 407.1 | 407.3 | 408.4 | 409.5 | 410.6 | 411.7 | 412.1 | 412.6 | 413.0 | 413.4 | 413.4 |
| 155°   | 417.0 | 417.1 | 418.0 | 418.8 | 419.7 | 420.5 | 421.0 | 421.4 | 421.8 | 422.3 | 422.2 |
| 157.5° | 425.4 | 425.5 | 426.1 | 426.7 | 427.3 | 427.9 | 428.4 | 428.9 | 429.4 | 429.8 | 429.8 |
| 160°   | 430.6 | 430.6 | 431.0 | 431.4 | 431.9 | 432.3 | 432.7 | 433.2 | 433.6 | 434.0 | 434.0 |
| 162.5° | 434.7 | 434.7 | 435.0 | 435.5 | 435.9 | 436.3 | 436.8 | 437.2 | 437.7 | 438.2 | 438.2 |
| 165°   | 440.4 | 440.3 | 440.5 | 440.7 | 440.9 | 441.1 | 441.6 | 442.1 | 442.6 | 443.1 | 443.1 |
| 167.5° | 444.5 | 444.4 | 444.6 | 444.8 | 445.0 | 445.2 | 445.8 | 446.3 | 446.8 | 447.3 | 447.2 |
| 170°   | 446.9 | 446.8 | 446.9 | 447.1 | 447.2 | 447.4 | 447.9 | 448.4 | 448.9 | 449.4 | 449.3 |
| 172.5° | 448.5 | 448.3 | 448.5 | 448.6 | 448.8 | 448.9 | 449.4 | 449.9 | 450.4 | 450.9 | 450.9 |
| 175°   | 450.2 | 450.0 | 450.2 | 450.3 | 450.5 | 450.6 | 451.1 | 451.6 | 452.1 | 452.6 | 452.5 |
| 177.5° | 450.9 | 450.8 | 450.8 | 450.9 | 450.9 | 451.0 | 451.4 | 451.8 | 452.2 | 452.6 | 452.5 |
| 180°   | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 |



TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5°   | 941.2 | 940.6 | 940.6 | 937.9 | 940.6 | 940.6 | 941.2 | 944.2 | 945.1 | 945.7 | 944.5 |
| 5°     | 873.1 | 871.9 | 870.1 | 871.9 | 870.1 | 871.9 | 873.1 | 878.4 | 881.0 | 883.6 | 886.0 |
| 7.5°   | 805.8 | 801.2 | 800.5 | 796.1 | 800.5 | 801.2 | 805.8 | 808.2 | 813.4 | 819.4 | 824.9 |
| 10°    | 756.6 | 753.6 | 753.2 | 746.0 | 753.2 | 753.6 | 756.6 | 763.0 | 768.2 | 775.4 | 782.9 |
| 12.5°  | 719.1 | 711.9 | 713.4 | 709.2 | 713.4 | 711.9 | 719.1 | 719.2 | 725.4 | 729.8 | 741.6 |
| 15°    | 654.3 | 654.3 | 652.9 | 646.4 | 652.9 | 654.3 | 654.3 | 664.5 | 666.4 | 673.6 | 683.8 |
| 17.5°  | 607.8 | 607.0 | 603.4 | 605.2 | 603.4 | 607.0 | 607.8 | 615.3 | 616.5 | 626.1 | 634.5 |
| 20°    | 580.1 | 577.7 | 573.3 | 573.3 | 573.3 | 577.7 | 580.1 | 584.2 | 589.1 | 594.7 | 601.9 |
| 22.5°  | 553.8 | 553.6 | 548.9 | 550.4 | 548.9 | 553.6 | 553.8 | 557.6 | 562.3 | 568.6 | 574.5 |
| 25°    | 523.1 | 520.1 | 517.9 | 519.0 | 517.9 | 520.1 | 523.1 | 523.5 | 528.8 | 532.9 | 536.6 |
| 27.5°  | 494.0 | 492.3 | 492.2 | 489.1 | 492.2 | 492.3 | 494.0 | 494.9 | 498.0 | 500.4 | 503.9 |
| 30°    | 477.1 | 473.3 | 474.0 | 472.2 | 474.0 | 473.3 | 477.1 | 477.5 | 479.0 | 480.5 | 484.6 |
| 32.5°  | 457.8 | 456.5 | 455.7 | 454.0 | 455.7 | 456.5 | 457.8 | 458.5 | 461.5 | 463.0 | 466.3 |
| 35°    | 431.4 | 431.8 | 429.9 | 430.7 | 429.9 | 431.8 | 431.4 | 432.2 | 432.6 | 434.1 | 437.1 |
| 37.5°  | 408.5 | 409.7 | 408.8 | 409.0 | 408.8 | 409.7 | 408.5 | 408.8 | 409.2 | 409.4 | 410.3 |
| 40°    | 393.3 | 393.3 | 393.3 | 394.5 | 393.3 | 393.3 | 393.3 | 392.2 | 392.6 | 392.2 | 392.2 |
| 42.5°  | 378.9 | 378.3 | 377.7 | 377.6 | 377.7 | 378.3 | 378.9 | 376.3 | 377.5 | 376.3 | 375.7 |
| 45°    | 354.2 | 355.3 | 355.7 | 353.8 | 355.7 | 355.3 | 354.2 | 353.4 | 352.2 | 351.8 | 351.5 |
| 47.5°  | 331.7 | 331.8 | 331.7 | 333.4 | 331.7 | 331.8 | 331.7 | 330.7 | 329.0 | 328.3 | 326.5 |
| 50°    | 316.1 | 315.3 | 316.1 | 315.3 | 316.1 | 315.3 | 316.1 | 314.2 | 313.1 | 311.1 | 309.6 |
| 52.5°  | 299.4 | 299.6 | 299.1 | 299.0 | 299.1 | 299.6 | 299.4 | 297.0 | 296.4 | 295.8 | 293.4 |
| 55°    | 273.5 | 274.2 | 273.8 | 273.8 | 273.8 | 274.2 | 273.5 | 272.0 | 271.6 | 269.2 | 267.0 |
| 57.5°  | 246.5 | 247.2 | 247.7 | 246.0 | 247.7 | 247.2 | 246.5 | 246.3 | 246.0 | 243.7 | 241.3 |
| 60°    | 227.8 | 229.6 | 229.3 | 228.5 | 229.3 | 229.6 | 227.8 | 228.1 | 227.0 | 225.5 | 224.0 |
| 62.5°  | 210.6 | 211.3 | 211.2 | 211.1 | 211.2 | 211.3 | 210.6 | 208.8 | 208.3 | 206.8 | 205.3 |
| 65°    | 184.0 | 184.8 | 183.7 | 184.8 | 183.7 | 184.8 | 184.0 | 182.9 | 180.3 | 179.6 | 178.0 |
| 67.5°  | 155.4 | 155.7 | 156.5 | 157.0 | 156.5 | 155.7 | 155.4 | 155.9 | 154.2 | 152.8 | 152.5 |
| 70°    | 137.6 | 137.2 | 138.5 | 139.6 | 138.5 | 137.2 | 137.6 | 136.9 | 135.7 | 134.6 | 133.1 |
| 72.5°  | 119.0 | 119.8 | 119.4 | 120.3 | 119.4 | 119.8 | 119.0 | 119.1 | 118.0 | 116.5 | 115.0 |
| 75°    | 91.7  | 92.8  | 92.4  | 93.5  | 92.4  | 92.8  | 91.7  | 92.4  | 91.7  | 90.2  | 88.7  |
| 77.5°  | 66.2  | 66.3  | 66.2  | 66.9  | 66.2  | 66.3  | 66.2  | 66.9  | 66.0  | 66.6  | 64.8  |
| 80°    | 50.5  | 49.8  | 49.0  | 50.5  | 49.0  | 49.8  | 50.5  | 50.5  | 49.4  | 50.5  | 49.4  |
| 82.5°  | 35.1  | 35.6  | 34.8  | 34.8  | 34.8  | 35.6  | 35.1  | 36.1  | 35.5  | 36.1  | 34.9  |
| 85°    | 16.3  | 15.9  | 15.0  | 15.0  | 15.0  | 15.9  | 16.3  | 16.3  | 17.4  | 16.6  | 16.6  |
| 87.5°  | 4.6   | 4.4   | 4.4   | 4.1   | 4.4   | 4.4   | 4.6   | 4.6   | 4.6   | 5.2   | 5.0   |
| 90°    | 8.4   | 8.5   | 8.7   | 8.8   | 8.7   | 8.5   | 8.4   | 8.3   | 8.0   | 7.6   | 7.3   |
| 92.5°  | 8.6   | 8.7   | 8.7   | 8.8   | 8.7   | 8.7   | 8.6   | 8.5   | 8.3   | 8.2   | 8.0   |
| 95°    | 14.2  | 14.1  | 14.1  | 14.0  | 14.1  | 14.1  | 14.2  | 14.3  | 14.1  | 13.8  | 13.4  |
| 97.5°  | 18.5  | 18.6  | 18.7  | 18.8  | 18.7  | 18.6  | 18.5  | 18.4  | 18.2  | 17.9  | 17.7  |
| 100°   | 21.4  | 21.6  | 21.7  | 21.9  | 21.7  | 21.6  | 21.4  | 21.3  | 20.9  | 20.4  | 19.8  |
| 102.5° | 22.8  | 23.0  | 23.2  | 23.4  | 23.2  | 23.0  | 22.8  | 22.6  | 22.1  | 21.4  | 20.6  |
| 105°   | 23.9  | 24.2  | 24.5  | 24.8  | 24.5  | 24.2  | 23.9  | 23.6  | 23.1  | 22.3  | 21.5  |
| 107.5° | 24.6  | 24.9  | 25.2  | 25.5  | 25.2  | 24.9  | 24.6  | 24.3  | 24.6  | 25.4  | 26.3  |
| 110°   | 24.9  | 25.2  | 25.5  | 25.8  | 25.5  | 25.2  | 24.9  | 24.6  | 28.1  | 35.3  | 42.6  |



TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 25.3  | 25.5  | 25.9  | 26.1  | 25.9  | 25.5  | 25.3  | 25.1  | 38.3  | 64.7  | 91.2  |
| 115°   | 42.4  | 37.3  | 32.0  | 26.8  | 32.0  | 37.3  | 42.4  | 47.7  | 67.1  | 100.7 | 134.3 |
| 117.5° | 160.9 | 143.7 | 126.5 | 109.4 | 126.5 | 143.7 | 160.9 | 178.0 | 190.7 | 198.7 | 206.9 |
| 120°   | 228.5 | 218.7 | 208.9 | 199.1 | 208.9 | 218.7 | 228.5 | 238.3 | 242.8 | 242.0 | 241.1 |
| 122.5° | 254.3 | 252.4 | 250.4 | 248.5 | 250.4 | 252.4 | 254.3 | 256.1 | 256.8 | 256.3 | 255.8 |
| 125°   | 278.5 | 278.7 | 278.9 | 279.1 | 278.9 | 278.7 | 278.5 | 278.3 | 277.9 | 277.4 | 276.9 |
| 127.5° | 298.4 | 298.4 | 298.4 | 298.5 | 298.4 | 298.4 | 298.4 | 298.3 | 297.9 | 297.2 | 296.5 |
| 130°   | 310.7 | 310.6 | 310.6 | 310.5 | 310.6 | 310.6 | 310.7 | 310.8 | 310.4 | 309.6 | 308.8 |
| 132.5° | 322.4 | 322.4 | 322.3 | 322.2 | 322.3 | 322.4 | 322.4 | 322.6 | 322.2 | 321.5 | 320.9 |
| 135°   | 339.7 | 339.5 | 339.4 | 339.2 | 339.4 | 339.5 | 339.7 | 339.8 | 339.5 | 338.8 | 338.1 |
| 137.5° | 355.5 | 355.3 | 355.0 | 354.8 | 355.0 | 355.3 | 355.5 | 355.7 | 355.5 | 354.8 | 354.1 |
| 140°   | 365.5 | 365.2 | 364.8 | 364.4 | 364.8 | 365.2 | 365.5 | 365.9 | 365.7 | 365.1 | 364.4 |
| 142.5° | 374.9 | 374.6 | 374.2 | 373.8 | 374.2 | 374.6 | 374.9 | 375.3 | 375.2 | 374.6 | 374.0 |
| 145°   | 388.0 | 387.7 | 387.3 | 386.9 | 387.3 | 387.7 | 388.0 | 388.4 | 388.3 | 387.8 | 387.3 |
| 147.5° | 399.4 | 399.1 | 398.8 | 398.5 | 398.8 | 399.1 | 399.4 | 399.7 | 399.7 | 399.3 | 398.9 |
| 150°   | 406.7 | 406.3 | 405.9 | 405.6 | 405.9 | 406.3 | 406.7 | 407.0 | 407.0 | 406.5 | 406.1 |
| 152.5° | 412.9 | 412.5 | 412.0 | 411.5 | 412.0 | 412.5 | 412.9 | 413.4 | 413.4 | 413.0 | 412.6 |
| 155°   | 421.6 | 421.1 | 420.5 | 419.9 | 420.5 | 421.1 | 421.6 | 422.2 | 422.3 | 421.8 | 421.4 |
| 157.5° | 429.2 | 428.7 | 428.1 | 427.6 | 428.1 | 428.7 | 429.2 | 429.8 | 429.8 | 429.4 | 428.9 |
| 160°   | 433.5 | 433.0 | 432.5 | 432.0 | 432.5 | 433.0 | 433.5 | 434.0 | 434.0 | 433.6 | 433.2 |
| 162.5° | 437.5 | 436.9 | 436.3 | 435.7 | 436.3 | 436.9 | 437.5 | 438.2 | 438.2 | 437.7 | 437.2 |
| 165°   | 442.6 | 442.1 | 441.6 | 441.1 | 441.6 | 442.1 | 442.6 | 443.1 | 443.1 | 442.6 | 442.1 |
| 167.5° | 446.6 | 445.9 | 445.2 | 444.5 | 445.2 | 445.9 | 446.6 | 447.2 | 447.3 | 446.8 | 446.3 |
| 170°   | 448.7 | 448.0 | 447.4 | 446.7 | 447.4 | 448.0 | 448.7 | 449.3 | 449.4 | 448.9 | 448.4 |
| 172.5° | 450.2 | 449.6 | 448.9 | 448.3 | 448.9 | 449.6 | 450.2 | 450.9 | 450.9 | 450.4 | 449.9 |
| 175°   | 451.8 | 451.1 | 450.3 | 449.6 | 450.3 | 451.1 | 451.8 | 452.5 | 452.6 | 452.1 | 451.6 |
| 177.5° | 452.0 | 451.5 | 451.0 | 450.5 | 451.0 | 451.5 | 452.0 | 452.5 | 452.6 | 452.2 | 451.8 |
| 180°   | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 |



TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5°   | 943.0 | 946.3 | 951.5 | 956.8 | 960.2 | 966.5 | 968.4 | 971.4 | 974.1 | 980.4 | 987.0 |
| 5°     | 888.6 | 893.8 | 906.3 | 913.0 | 922.5 | 933.4 | 940.6 | 948.2 | 956.4 | 970.8 | 984.0 |
| 7.5°   | 830.2 | 839.0 | 854.4 | 867.2 | 880.6 | 896.3 | 907.6 | 922.5 | 934.8 | 955.0 | 974.4 |
| 10°    | 791.2 | 803.7 | 817.7 | 832.7 | 851.6 | 868.2 | 884.0 | 902.9 | 918.0 | 942.1 | 964.7 |
| 12.5°  | 756.3 | 758.1 | 778.1 | 794.8 | 820.5 | 841.0 | 859.3 | 883.5 | 898.4 | 927.1 | 950.9 |
| 15°    | 695.1 | 706.4 | 724.5 | 737.7 | 768.2 | 794.3 | 819.9 | 845.2 | 862.1 | 897.6 | 928.9 |
| 17.5°  | 643.6 | 654.0 | 672.6 | 694.2 | 716.1 | 741.9 | 775.2 | 801.8 | 824.9 | 865.4 | 902.4 |
| 20°    | 611.0 | 623.8 | 642.7 | 664.9 | 684.2 | 712.5 | 741.0 | 771.6 | 796.5 | 842.1 | 885.6 |
| 22.5°  | 583.2 | 593.3 | 608.5 | 630.5 | 651.6 | 677.4 | 708.8 | 742.0 | 768.2 | 817.4 | 861.4 |
| 25°    | 544.2 | 552.5 | 562.3 | 580.5 | 604.2 | 632.5 | 657.0 | 693.6 | 731.6 | 777.7 | 830.8 |
| 27.5°  | 509.1 | 514.9 | 523.6 | 539.6 | 558.0 | 584.4 | 611.7 | 646.3 | 684.7 | 734.6 | 790.7 |
| 30°    | 487.7 | 491.4 | 500.1 | 513.3 | 531.4 | 552.1 | 579.7 | 612.9 | 652.1 | 702.7 | 758.4 |
| 32.5°  | 469.0 | 472.4 | 478.1 | 490.7 | 506.3 | 524.1 | 548.9 | 582.1 | 619.5 | 669.1 | 730.9 |
| 35°    | 440.9 | 443.5 | 448.4 | 458.6 | 467.3 | 484.6 | 505.3 | 535.5 | 570.6 | 618.1 | 682.3 |
| 37.5°  | 412.9 | 416.5 | 419.5 | 423.8 | 434.9 | 446.4 | 464.4 | 489.9 | 524.3 | 572.3 | 633.4 |
| 40°    | 394.5 | 397.5 | 402.0 | 403.9 | 412.9 | 423.1 | 437.9 | 461.2 | 495.9 | 539.7 | 599.3 |
| 42.5°  | 375.8 | 378.8 | 381.5 | 383.7 | 391.5 | 400.5 | 413.7 | 433.8 | 464.5 | 507.2 | 566.1 |
| 45°    | 350.3 | 350.7 | 353.4 | 357.5 | 361.3 | 367.7 | 377.2 | 394.5 | 418.3 | 458.3 | 511.8 |
| 47.5°  | 324.6 | 325.0 | 325.5 | 327.3 | 331.4 | 337.2 | 343.5 | 357.6 | 378.9 | 410.8 | 462.9 |
| 50°    | 307.4 | 306.6 | 307.4 | 308.9 | 311.5 | 316.4 | 323.6 | 333.8 | 351.1 | 380.9 | 428.8 |
| 52.5°  | 290.7 | 290.6 | 290.1 | 290.7 | 292.9 | 296.2 | 301.2 | 309.9 | 325.5 | 352.8 | 395.1 |
| 55°    | 265.5 | 263.6 | 264.0 | 262.5 | 265.9 | 266.6 | 270.4 | 277.6 | 291.1 | 310.0 | 349.6 |
| 57.5°  | 238.5 | 237.0 | 235.3 | 234.9 | 234.6 | 236.6 | 239.6 | 245.3 | 255.7 | 272.3 | 304.4 |
| 60°    | 221.4 | 219.5 | 217.2 | 216.5 | 216.5 | 217.6 | 219.1 | 223.3 | 233.1 | 247.8 | 274.2 |
| 62.5°  | 203.9 | 201.7 | 200.4 | 198.3 | 197.7 | 198.9 | 200.5 | 203.4 | 210.5 | 224.3 | 247.0 |
| 65°    | 176.9 | 174.2 | 172.4 | 172.0 | 171.3 | 170.1 | 170.9 | 173.9 | 179.6 | 190.5 | 208.5 |
| 67.5°  | 149.8 | 147.3 | 146.8 | 144.7 | 143.6 | 143.8 | 143.6 | 146.2 | 149.6 | 159.0 | 172.5 |
| 70°    | 132.0 | 130.1 | 129.4 | 127.4 | 126.7 | 125.9 | 125.2 | 127.4 | 130.9 | 138.8 | 150.5 |
| 72.5°  | 113.9 | 112.3 | 110.7 | 109.1 | 109.3 | 108.5 | 108.4 | 109.7 | 112.5 | 119.8 | 128.8 |
| 75°    | 87.9  | 88.3  | 86.3  | 84.5  | 84.1  | 83.3  | 83.3  | 84.5  | 85.6  | 91.3  | 98.5  |
| 77.5°  | 63.7  | 63.4  | 61.8  | 61.2  | 60.9  | 60.1  | 60.9  | 61.6  | 62.2  | 66.0  | 71.3  |
| 80°    | 48.7  | 48.7  | 46.8  | 46.8  | 46.4  | 45.2  | 46.4  | 45.6  | 47.2  | 50.9  | 54.7  |
| 82.5°  | 34.7  | 34.1  | 34.1  | 33.5  | 33.4  | 32.6  | 33.1  | 33.8  | 34.4  | 37.1  | 39.3  |
| 85°    | 17.0  | 17.0  | 16.6  | 16.3  | 16.6  | 16.3  | 16.6  | 17.0  | 17.4  | 18.5  | 20.4  |
| 87.5°  | 5.0   | 5.3   | 5.5   | 5.6   | 5.5   | 5.7   | 5.9   | 6.0   | 6.5   | 6.6   | 6.7   |
| 90°    | 6.9   | 6.6   | 6.0   | 5.4   | 4.7   | 4.2   | 3.5   | 2.7   | 1.9   | 1.1   | 0.3   |
| 92.5°  | 7.8   | 7.6   | 7.3   | 7.0   | 6.7   | 6.5   | 6.3   | 6.4   | 6.5   | 6.6   | 6.6   |
| 95°    | 13.1  | 12.7  | 12.2  | 11.7  | 11.2  | 10.7  | 11.6  | 14.0  | 16.5  | 18.8  | 21.2  |
| 97.5°  | 17.4  | 17.1  | 15.9  | 14.6  | 13.5  | 12.3  | 15.1  | 21.9  | 28.6  | 35.3  | 42.1  |
| 100°   | 19.2  | 18.6  | 17.4  | 16.2  | 14.9  | 13.6  | 18.1  | 28.0  | 37.9  | 47.9  | 57.8  |
| 102.5° | 19.9  | 19.1  | 29.5  | 39.8  | 50.1  | 60.4  | 66.7  | 68.8  | 70.8  | 72.9  | 75.0  |
| 105°   | 20.7  | 19.9  | 39.7  | 59.6  | 79.4  | 99.2  | 108.0 | 105.8 | 103.6 | 101.4 | 99.3  |
| 107.5° | 27.1  | 27.9  | 51.6  | 75.4  | 99.2  | 122.9 | 133.9 | 132.2 | 130.4 | 128.7 | 126.8 |
| 110°   | 49.9  | 57.2  | 78.1  | 99.1  | 120.1 | 141.0 | 150.8 | 149.3 | 147.7 | 146.1 | 144.6 |



TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 117.6 | 144.1 | 149.3 | 154.5 | 159.7 | 164.8 | 166.7 | 165.4 | 164.1 | 162.7 | 161.4 |
| 115°   | 167.8 | 201.5 | 199.7 | 197.8 | 196.0 | 194.2 | 192.7 | 191.5 | 190.3 | 188.9 | 187.7 |
| 117.5° | 215.0 | 223.2 | 221.9 | 220.7 | 219.4 | 218.1 | 216.8 | 215.5 | 214.1 | 212.7 | 211.4 |
| 120°   | 240.2 | 239.3 | 238.0 | 236.7 | 235.4 | 234.1 | 232.9 | 231.9 | 230.8 | 229.6 | 228.5 |
| 122.5° | 255.3 | 254.8 | 253.4 | 251.9 | 250.4 | 249.0 | 247.8 | 246.6 | 245.5 | 244.4 | 243.2 |
| 125°   | 276.4 | 275.9 | 274.5 | 273.2 | 271.8 | 270.4 | 269.2 | 268.3 | 267.3 | 266.4 | 265.5 |
| 127.5° | 295.7 | 295.0 | 294.0 | 293.0 | 291.9 | 290.8 | 289.8 | 288.8 | 287.7 | 286.7 | 285.6 |
| 130°   | 308.0 | 307.3 | 306.5 | 305.7 | 304.9 | 304.1 | 303.1 | 301.9 | 300.7 | 299.6 | 298.4 |
| 132.5° | 320.2 | 319.5 | 318.7 | 317.9 | 317.1 | 316.3 | 315.5 | 314.5 | 313.5 | 312.5 | 311.5 |
| 135°   | 337.4 | 336.7 | 336.0 | 335.4 | 334.7 | 334.1 | 333.2 | 331.9 | 330.8 | 329.6 | 328.5 |
| 137.5° | 353.4 | 352.6 | 351.9 | 351.1 | 350.4 | 349.7 | 348.9 | 348.1 | 347.3 | 346.5 | 345.7 |
| 140°   | 363.8 | 363.0 | 362.3 | 361.5 | 360.7 | 359.9 | 359.2 | 358.6 | 358.0 | 357.5 | 356.9 |
| 142.5° | 373.3 | 372.7 | 371.8 | 370.9 | 370.0 | 369.1 | 368.4 | 367.9 | 367.3 | 366.8 | 366.3 |
| 145°   | 386.8 | 386.3 | 385.1 | 383.8 | 382.5 | 381.3 | 380.7 | 380.8 | 380.9 | 381.0 | 381.0 |
| 147.5° | 398.5 | 398.2 | 397.0 | 395.8 | 394.5 | 393.2 | 392.8 | 393.0 | 393.3 | 393.6 | 393.9 |
| 150°   | 405.7 | 405.3 | 404.0 | 402.9 | 401.7 | 400.6 | 400.2 | 400.7 | 401.2 | 401.7 | 402.2 |
| 152.5° | 412.1 | 411.7 | 410.6 | 409.5 | 408.4 | 407.3 | 407.1 | 407.6 | 408.2 | 408.8 | 409.3 |
| 155°   | 421.0 | 420.5 | 419.7 | 418.8 | 418.0 | 417.1 | 417.0 | 417.6 | 418.3 | 418.9 | 419.6 |
| 157.5° | 428.4 | 427.9 | 427.3 | 426.7 | 426.1 | 425.5 | 425.4 | 426.0 | 426.5 | 427.1 | 427.6 |
| 160°   | 432.7 | 432.3 | 431.9 | 431.4 | 431.0 | 430.6 | 430.6 | 431.0 | 431.4 | 431.9 | 432.3 |
| 162.5° | 436.8 | 436.3 | 435.9 | 435.5 | 435.0 | 434.7 | 434.7 | 435.2 | 435.7 | 436.1 | 436.5 |
| 165°   | 441.6 | 441.1 | 440.9 | 440.7 | 440.5 | 440.3 | 440.4 | 440.8 | 441.2 | 441.7 | 442.1 |
| 167.5° | 445.8 | 445.2 | 445.0 | 444.8 | 444.6 | 444.4 | 444.5 | 444.9 | 445.5 | 445.9 | 446.3 |
| 170°   | 447.9 | 447.4 | 447.2 | 447.1 | 446.9 | 446.8 | 446.9 | 447.4 | 447.8 | 448.2 | 448.7 |
| 172.5° | 449.4 | 448.9 | 448.8 | 448.6 | 448.5 | 448.3 | 448.5 | 448.9 | 449.3 | 449.8 | 450.2 |
| 175°   | 451.1 | 450.6 | 450.5 | 450.3 | 450.2 | 450.0 | 450.2 | 450.7 | 451.2 | 451.7 | 452.2 |
| 177.5° | 451.4 | 451.0 | 450.9 | 450.9 | 450.8 | 450.8 | 450.9 | 451.3 | 451.7 | 452.1 | 452.5 |
| 180°   | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 |



TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 981.3 | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  |
| 2.5°   | 986.4 | 988.0  | 992.8  | 997.6  | 1003.0 | 1004.5 | 1006.9 | 1004.8 | 1004.2 | 1010.0 | 1014.2 |
| 5°     | 989.3 | 996.0  | 1009.3 | 1021.3 | 1031.5 | 1038.6 | 1046.2 | 1049.2 | 1054.9 | 1062.8 | 1072.6 |
| 7.5°   | 986.0 | 999.3  | 1020.1 | 1037.6 | 1056.7 | 1070.6 | 1081.4 | 1090.6 | 1101.7 | 1116.7 | 1133.1 |
| 10°    | 982.5 | 1000.2 | 1025.4 | 1046.9 | 1070.4 | 1088.0 | 1102.8 | 1117.1 | 1133.7 | 1154.5 | 1175.9 |
| 12.5°  | 975.8 | 996.8  | 1028.4 | 1053.9 | 1083.9 | 1101.4 | 1121.2 | 1152.1 | 1169.9 | 1198.8 | 1229.0 |
| 15°    | 962.5 | 985.8  | 1030.0 | 1061.3 | 1095.2 | 1128.4 | 1165.0 | 1194.4 | 1223.9 | 1240.8 | 1283.4 |
| 17.5°  | 942.6 | 976.9  | 1025.8 | 1062.4 | 1105.5 | 1157.7 | 1198.8 | 1232.2 | 1266.2 | 1293.6 | 1315.0 |
| 20°    | 926.7 | 964.0  | 1019.8 | 1063.6 | 1114.8 | 1171.0 | 1218.2 | 1252.1 | 1281.5 | 1304.5 | 1317.8 |
| 22.5°  | 906.5 | 953.4  | 1007.7 | 1059.0 | 1124.5 | 1180.1 | 1229.6 | 1256.4 | 1280.9 | 1292.1 | 1297.2 |
| 25°    | 874.5 | 931.2  | 992.6  | 1055.2 | 1129.1 | 1188.0 | 1233.2 | 1249.5 | 1256.7 | 1245.7 | 1227.6 |
| 27.5°  | 840.3 | 903.3  | 975.2  | 1048.1 | 1126.3 | 1182.9 | 1215.3 | 1212.7 | 1200.6 | 1165.2 | 1136.9 |
| 30°    | 814.7 | 884.0  | 961.3  | 1040.9 | 1119.3 | 1174.4 | 1193.3 | 1174.4 | 1146.9 | 1107.3 | 1066.9 |
| 32.5°  | 787.8 | 859.6  | 946.5  | 1030.7 | 1106.7 | 1155.1 | 1159.2 | 1126.7 | 1084.1 | 1039.2 | 988.8  |
| 35°    | 747.1 | 824.9  | 918.7  | 1007.7 | 1079.7 | 1110.3 | 1092.2 | 1034.9 | 984.3  | 922.9  | 854.2  |
| 37.5°  | 701.1 | 787.0  | 881.1  | 974.1  | 1039.5 | 1047.4 | 1002.5 | 942.1  | 870.8  | 798.6  | 717.8  |
| 40°    | 666.8 | 757.7  | 854.6  | 948.5  | 1006.2 | 997.9  | 940.6  | 874.2  | 789.3  | 701.1  | 626.0  |
| 42.5°  | 636.0 | 726.9  | 825.7  | 917.8  | 964.0  | 941.2  | 874.2  | 792.7  | 701.6  | 618.4  | 549.8  |
| 45°    | 582.7 | 676.2  | 777.3  | 866.3  | 892.7  | 851.6  | 763.0  | 672.5  | 582.7  | 513.3  | 459.0  |
| 47.5°  | 531.0 | 623.4  | 723.5  | 801.7  | 811.1  | 755.8  | 658.9  | 565.8  | 488.7  | 432.1  | 393.8  |
| 50°    | 492.9 | 585.7  | 684.9  | 754.7  | 751.6  | 684.9  | 585.3  | 496.7  | 432.2  | 386.6  | 360.9  |
| 52.5°  | 458.8 | 546.4  | 641.8  | 705.2  | 689.2  | 616.4  | 521.4  | 442.7  | 389.7  | 354.0  | 330.7  |
| 55°    | 405.8 | 486.9  | 577.4  | 628.3  | 599.0  | 518.2  | 437.9  | 374.5  | 335.3  | 308.5  | 290.4  |
| 57.5°  | 353.1 | 429.2  | 506.6  | 538.1  | 505.5  | 431.0  | 364.1  | 318.1  | 288.6  | 268.7  | 257.0  |
| 60°    | 320.5 | 387.0  | 456.0  | 483.1  | 444.2  | 377.9  | 325.1  | 284.0  | 260.2  | 244.0  | 233.5  |
| 62.5°  | 288.0 | 347.4  | 412.5  | 427.3  | 391.7  | 335.7  | 288.9  | 254.7  | 235.2  | 220.8  | 210.9  |
| 65°    | 243.7 | 292.3  | 341.7  | 351.5  | 318.7  | 275.3  | 238.3  | 216.1  | 198.7  | 188.2  | 180.3  |
| 67.5°  | 199.9 | 238.8  | 273.9  | 281.8  | 253.1  | 223.0  | 196.2  | 176.9  | 165.1  | 156.3  | 149.7  |
| 70°    | 173.9 | 204.8  | 233.5  | 239.8  | 216.8  | 190.1  | 169.8  | 154.2  | 143.7  | 136.1  | 129.8  |
| 72.5°  | 146.4 | 172.2  | 196.0  | 200.4  | 181.6  | 161.1  | 144.4  | 132.2  | 122.9  | 118.1  | 111.9  |
| 75°    | 112.0 | 127.1  | 145.6  | 146.7  | 134.3  | 121.8  | 109.0  | 101.1  | 96.1   | 90.2   | 87.2   |
| 77.5°  | 79.1  | 90.9   | 101.5  | 103.5  | 96.1   | 87.7   | 80.5   | 74.2   | 70.1   | 67.3   | 64.5   |
| 80°    | 60.4  | 69.8   | 74.3   | 77.0   | 71.7   | 65.6   | 61.5   | 57.4   | 54.7   | 52.8   | 50.9   |
| 82.5°  | 43.1  | 49.0   | 53.2   | 55.2   | 52.3   | 48.8   | 44.5   | 42.2   | 40.2   | 38.6   | 38.0   |
| 85°    | 21.9  | 24.5   | 27.2   | 27.9   | 27.2   | 25.7   | 23.4   | 23.4   | 22.2   | 21.9   | 21.9   |
| 87.5°  | 7.8   | 9.1    | 9.3    | 10.4   | 9.9    | 10.0   | 10.1   | 9.9    | 9.8    | 9.5    | 9.3    |
| 90°    | 1.1   | 1.9    | 2.7    | 3.5    | 4.2    | 4.7    | 5.4    | 6.0    | 6.6    | 6.9    | 7.3    |
| 92.5°  | 6.6   | 6.5    | 6.4    | 6.3    | 6.5    | 6.7    | 7.0    | 7.3    | 7.6    | 7.8    | 8.0    |
| 95°    | 18.8  | 16.5   | 14.0   | 11.6   | 10.7   | 11.2   | 11.7   | 12.2   | 12.7   | 13.1   | 13.4   |
| 97.5°  | 35.3  | 28.6   | 21.9   | 15.1   | 12.3   | 13.5   | 14.6   | 15.9   | 17.1   | 17.4   | 17.7   |
| 100°   | 47.9  | 37.9   | 28.0   | 18.1   | 13.6   | 14.9   | 16.2   | 17.4   | 18.6   | 19.2   | 19.8   |
| 102.5° | 72.9  | 70.8   | 68.8   | 66.7   | 60.4   | 50.1   | 39.8   | 29.5   | 19.1   | 19.9   | 20.6   |
| 105°   | 101.4 | 103.6  | 105.8  | 108.0  | 99.2   | 79.4   | 59.6   | 39.7   | 19.9   | 20.7   | 21.5   |
| 107.5° | 128.7 | 130.4  | 132.2  | 133.9  | 122.9  | 99.2   | 75.4   | 51.6   | 27.9   | 27.1   | 26.3   |
| 110°   | 146.1 | 147.7  | 149.3  | 150.8  | 141.0  | 120.1  | 99.1   | 78.1   | 57.2   | 49.9   | 42.6   |





TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 162.7 | 164.1 | 165.4 | 166.7 | 164.8 | 159.7 | 154.5 | 149.3 | 144.1 | 117.6 | 91.2  |
| 115°   | 188.9 | 190.3 | 191.5 | 192.7 | 194.2 | 196.0 | 197.8 | 199.7 | 201.5 | 167.8 | 134.3 |
| 117.5° | 212.7 | 214.1 | 215.5 | 216.8 | 218.1 | 219.4 | 220.7 | 221.9 | 223.2 | 215.0 | 206.9 |
| 120°   | 229.6 | 230.8 | 231.9 | 232.9 | 234.1 | 235.4 | 236.7 | 238.0 | 239.3 | 240.2 | 241.1 |
| 122.5° | 244.4 | 245.5 | 246.6 | 247.8 | 249.0 | 250.4 | 251.9 | 253.4 | 254.8 | 255.3 | 255.8 |
| 125°   | 266.4 | 267.3 | 268.3 | 269.2 | 270.4 | 271.8 | 273.2 | 274.5 | 275.9 | 276.4 | 276.9 |
| 127.5° | 286.7 | 287.7 | 288.8 | 289.8 | 290.8 | 291.9 | 293.0 | 294.0 | 295.0 | 295.7 | 296.5 |
| 130°   | 299.6 | 300.7 | 301.9 | 303.1 | 304.1 | 304.9 | 305.7 | 306.5 | 307.3 | 308.0 | 308.8 |
| 132.5° | 312.5 | 313.5 | 314.5 | 315.5 | 316.3 | 317.1 | 317.9 | 318.7 | 319.5 | 320.2 | 320.9 |
| 135°   | 329.6 | 330.8 | 331.9 | 333.2 | 334.1 | 334.7 | 335.4 | 336.0 | 336.7 | 337.4 | 338.1 |
| 137.5° | 346.5 | 347.3 | 348.1 | 348.9 | 349.7 | 350.4 | 351.1 | 351.9 | 352.6 | 353.4 | 354.1 |
| 140°   | 357.5 | 358.0 | 358.6 | 359.2 | 359.9 | 360.7 | 361.5 | 362.3 | 363.0 | 363.8 | 364.4 |
| 142.5° | 366.8 | 367.3 | 367.9 | 368.4 | 369.1 | 370.0 | 370.9 | 371.8 | 372.7 | 373.3 | 374.0 |
| 145°   | 381.0 | 380.9 | 380.8 | 380.7 | 381.3 | 382.5 | 383.8 | 385.1 | 386.3 | 386.8 | 387.3 |
| 147.5° | 393.6 | 393.3 | 393.0 | 392.8 | 393.2 | 394.5 | 395.8 | 397.0 | 398.2 | 398.5 | 398.9 |
| 150°   | 401.7 | 401.2 | 400.7 | 400.2 | 400.6 | 401.7 | 402.9 | 404.0 | 405.3 | 405.7 | 406.1 |
| 152.5° | 408.8 | 408.2 | 407.6 | 407.1 | 407.3 | 408.4 | 409.5 | 410.6 | 411.7 | 412.1 | 412.6 |
| 155°   | 418.9 | 418.3 | 417.6 | 417.0 | 417.1 | 418.0 | 418.8 | 419.7 | 420.5 | 421.0 | 421.4 |
| 157.5° | 427.1 | 426.5 | 426.0 | 425.4 | 425.5 | 426.1 | 426.7 | 427.3 | 427.9 | 428.4 | 428.9 |
| 160°   | 431.9 | 431.4 | 431.0 | 430.6 | 430.6 | 431.0 | 431.4 | 431.9 | 432.3 | 432.7 | 433.2 |
| 162.5° | 436.1 | 435.7 | 435.2 | 434.7 | 434.7 | 435.0 | 435.5 | 435.9 | 436.3 | 436.8 | 437.2 |
| 165°   | 441.7 | 441.2 | 440.8 | 440.4 | 440.3 | 440.5 | 440.7 | 440.9 | 441.1 | 441.6 | 442.1 |
| 167.5° | 445.9 | 445.5 | 444.9 | 444.5 | 444.4 | 444.6 | 444.8 | 445.0 | 445.2 | 445.8 | 446.3 |
| 170°   | 448.2 | 447.8 | 447.4 | 446.9 | 446.8 | 446.9 | 447.1 | 447.2 | 447.4 | 447.9 | 448.4 |
| 172.5° | 449.8 | 449.3 | 448.9 | 448.5 | 448.3 | 448.5 | 448.6 | 448.8 | 448.9 | 449.4 | 449.9 |
| 175°   | 451.7 | 451.2 | 450.7 | 450.2 | 450.0 | 450.2 | 450.3 | 450.5 | 450.6 | 451.1 | 451.6 |
| 177.5° | 452.1 | 451.7 | 451.3 | 450.9 | 450.8 | 450.8 | 450.9 | 450.9 | 451.0 | 451.4 | 451.8 |
| 180°   | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 |



TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  | 981.3  |
| 2.5°   | 1017.8 | 1022.1 | 1022.1 | 1022.7 | 1027.4 | 1026.9 | 1026.6 |
| 5°     | 1083.2 | 1089.5 | 1090.4 | 1097.1 | 1101.7 | 1100.1 | 1096.0 |
| 7.5°   | 1144.8 | 1156.7 | 1165.8 | 1170.8 | 1176.8 | 1180.4 | 1178.8 |
| 10°    | 1193.7 | 1211.0 | 1221.5 | 1228.7 | 1237.4 | 1243.9 | 1241.5 |
| 12.5°  | 1238.0 | 1258.7 | 1273.1 | 1285.5 | 1286.6 | 1294.8 | 1289.2 |
| 15°    | 1307.2 | 1329.1 | 1331.3 | 1340.4 | 1347.6 | 1346.8 | 1347.2 |
| 17.5°  | 1330.0 | 1337.1 | 1338.5 | 1338.7 | 1338.8 | 1336.2 | 1330.4 |
| 20°    | 1321.9 | 1319.3 | 1312.8 | 1308.0 | 1299.3 | 1298.1 | 1290.6 |
| 22.5°  | 1283.2 | 1274.9 | 1258.8 | 1248.2 | 1234.7 | 1231.1 | 1229.0 |
| 25°    | 1207.2 | 1188.7 | 1163.1 | 1138.6 | 1131.8 | 1118.6 | 1122.4 |
| 27.5°  | 1102.9 | 1074.1 | 1046.3 | 1026.4 | 1008.5 | 988.7  | 994.3  |
| 30°    | 1029.6 | 997.1  | 958.0  | 927.8  | 908.6  | 889.7  | 886.3  |
| 32.5°  | 942.1  | 894.5  | 850.8  | 824.3  | 794.8  | 782.8  | 769.8  |
| 35°    | 791.2  | 744.9  | 701.5  | 664.2  | 642.7  | 626.0  | 611.0  |
| 37.5°  | 655.5  | 602.2  | 567.1  | 536.9  | 521.4  | 511.9  | 514.2  |
| 40°    | 571.4  | 524.6  | 499.0  | 475.9  | 461.6  | 454.8  | 456.4  |
| 42.5°  | 503.2  | 468.2  | 447.1  | 431.3  | 421.2  | 417.4  | 416.5  |
| 45°    | 425.8  | 406.2  | 388.8  | 379.8  | 374.9  | 370.7  | 368.1  |
| 47.5°  | 373.0  | 357.0  | 347.2  | 341.8  | 337.5  | 333.4  | 333.3  |
| 50°    | 341.3  | 330.7  | 324.0  | 318.3  | 314.9  | 311.8  | 314.6  |
| 52.5°  | 317.2  | 307.5  | 300.7  | 295.7  | 294.4  | 291.6  | 291.6  |
| 55°    | 281.3  | 273.8  | 268.9  | 264.4  | 262.2  | 260.6  | 258.7  |
| 57.5°  | 248.7  | 241.6  | 237.1  | 234.2  | 229.9  | 228.4  | 227.8  |
| 60°    | 225.5  | 219.8  | 215.3  | 211.6  | 209.6  | 206.7  | 206.7  |
| 62.5°  | 204.1  | 198.4  | 194.2  | 191.4  | 188.2  | 187.0  | 187.3  |
| 65°    | 173.1  | 168.5  | 164.4  | 161.4  | 160.7  | 158.4  | 159.2  |
| 67.5°  | 144.6  | 141.6  | 137.2  | 135.5  | 134.1  | 132.9  | 132.0  |
| 70°    | 125.6  | 122.6  | 120.3  | 118.1  | 116.9  | 116.9  | 116.9  |
| 72.5°  | 109.6  | 105.9  | 104.6  | 101.8  | 102.4  | 101.2  | 100.0  |
| 75°    | 84.8   | 82.6   | 81.5   | 80.3   | 78.5   | 78.5   | 78.5   |
| 77.5°  | 62.4   | 61.8   | 60.4   | 59.2   | 58.8   | 58.4   | 58.6   |
| 80°    | 48.3   | 47.9   | 47.2   | 47.2   | 46.4   | 46.0   | 45.2   |
| 82.5°  | 37.1   | 36.2   | 35.6   | 35.3   | 35.2   | 35.1   | 35.0   |
| 85°    | 21.1   | 20.4   | 20.4   | 20.7   | 20.0   | 20.0   | 20.4   |
| 87.5°  | 9.7    | 9.7    | 9.5    | 9.5    | 9.9    | 9.6    | 9.6    |
| 90°    | 7.6    | 8.0    | 8.3    | 8.4    | 8.5    | 8.7    | 8.8    |
| 92.5°  | 8.2    | 8.3    | 8.5    | 8.6    | 8.7    | 8.7    | 8.8    |
| 95°    | 13.8   | 14.1   | 14.3   | 14.2   | 14.1   | 14.1   | 14.0   |
| 97.5°  | 17.9   | 18.2   | 18.4   | 18.5   | 18.6   | 18.7   | 18.8   |
| 100°   | 20.4   | 20.9   | 21.3   | 21.4   | 21.6   | 21.7   | 21.9   |
| 102.5° | 21.4   | 22.1   | 22.6   | 22.8   | 23.0   | 23.2   | 23.4   |
| 105°   | 22.3   | 23.1   | 23.6   | 23.9   | 24.2   | 24.5   | 24.8   |
| 107.5° | 25.4   | 24.6   | 24.3   | 24.6   | 24.9   | 25.2   | 25.5   |
| 110°   | 35.3   | 28.1   | 24.6   | 24.9   | 25.2   | 25.5   | 25.8   |



TEST NUMBER: P331285-840

CATALOG NUMBER: S122DIP-S485D330U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 64.7  | 38.3  | 25.1  | 25.3  | 25.5  | 25.9  | 26.1  |
| 115°   | 100.7 | 67.1  | 47.7  | 42.4  | 37.3  | 32.0  | 26.8  |
| 117.5° | 198.7 | 190.7 | 178.0 | 160.9 | 143.7 | 126.5 | 109.4 |
| 120°   | 242.0 | 242.8 | 238.3 | 228.5 | 218.7 | 208.9 | 199.1 |
| 122.5° | 256.3 | 256.8 | 256.1 | 254.3 | 252.4 | 250.4 | 248.5 |
| 125°   | 277.4 | 277.9 | 278.3 | 278.5 | 278.7 | 278.9 | 279.1 |
| 127.5° | 297.2 | 297.9 | 298.3 | 298.4 | 298.4 | 298.4 | 298.5 |
| 130°   | 309.6 | 310.4 | 310.8 | 310.7 | 310.6 | 310.6 | 310.5 |
| 132.5° | 321.5 | 322.2 | 322.6 | 322.4 | 322.4 | 322.3 | 322.2 |
| 135°   | 338.8 | 339.5 | 339.8 | 339.7 | 339.5 | 339.4 | 339.2 |
| 137.5° | 354.8 | 355.5 | 355.7 | 355.5 | 355.3 | 355.0 | 354.8 |
| 140°   | 365.1 | 365.7 | 365.9 | 365.5 | 365.2 | 364.8 | 364.4 |
| 142.5° | 374.6 | 375.2 | 375.3 | 374.9 | 374.6 | 374.2 | 373.8 |
| 145°   | 387.8 | 388.3 | 388.4 | 388.0 | 387.7 | 387.3 | 386.9 |
| 147.5° | 399.3 | 399.7 | 399.7 | 399.4 | 399.1 | 398.8 | 398.5 |
| 150°   | 406.5 | 407.0 | 407.0 | 406.7 | 406.3 | 405.9 | 405.6 |
| 152.5° | 413.0 | 413.4 | 413.4 | 412.9 | 412.5 | 412.0 | 411.5 |
| 155°   | 421.8 | 422.3 | 422.2 | 421.6 | 421.1 | 420.5 | 419.9 |
| 157.5° | 429.4 | 429.8 | 429.8 | 429.2 | 428.7 | 428.1 | 427.6 |
| 160°   | 433.6 | 434.0 | 434.0 | 433.5 | 433.0 | 432.5 | 432.0 |
| 162.5° | 437.7 | 438.2 | 438.2 | 437.5 | 436.9 | 436.3 | 435.7 |
| 165°   | 442.6 | 443.1 | 443.1 | 442.6 | 442.1 | 441.6 | 441.1 |
| 167.5° | 446.8 | 447.3 | 447.2 | 446.6 | 445.9 | 445.2 | 444.5 |
| 170°   | 448.9 | 449.4 | 449.3 | 448.7 | 448.0 | 447.4 | 446.7 |
| 172.5° | 450.4 | 450.9 | 450.9 | 450.2 | 449.6 | 448.9 | 448.3 |
| 175°   | 452.1 | 452.6 | 452.5 | 451.8 | 451.1 | 450.3 | 449.6 |
| 177.5° | 452.2 | 452.6 | 452.5 | 452.0 | 451.5 | 451.0 | 450.5 |
| 180°   | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 | 451.2 |

(END OF REPORT)