

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: P331421-840

Luminaire Tested: **SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331421-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 330 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

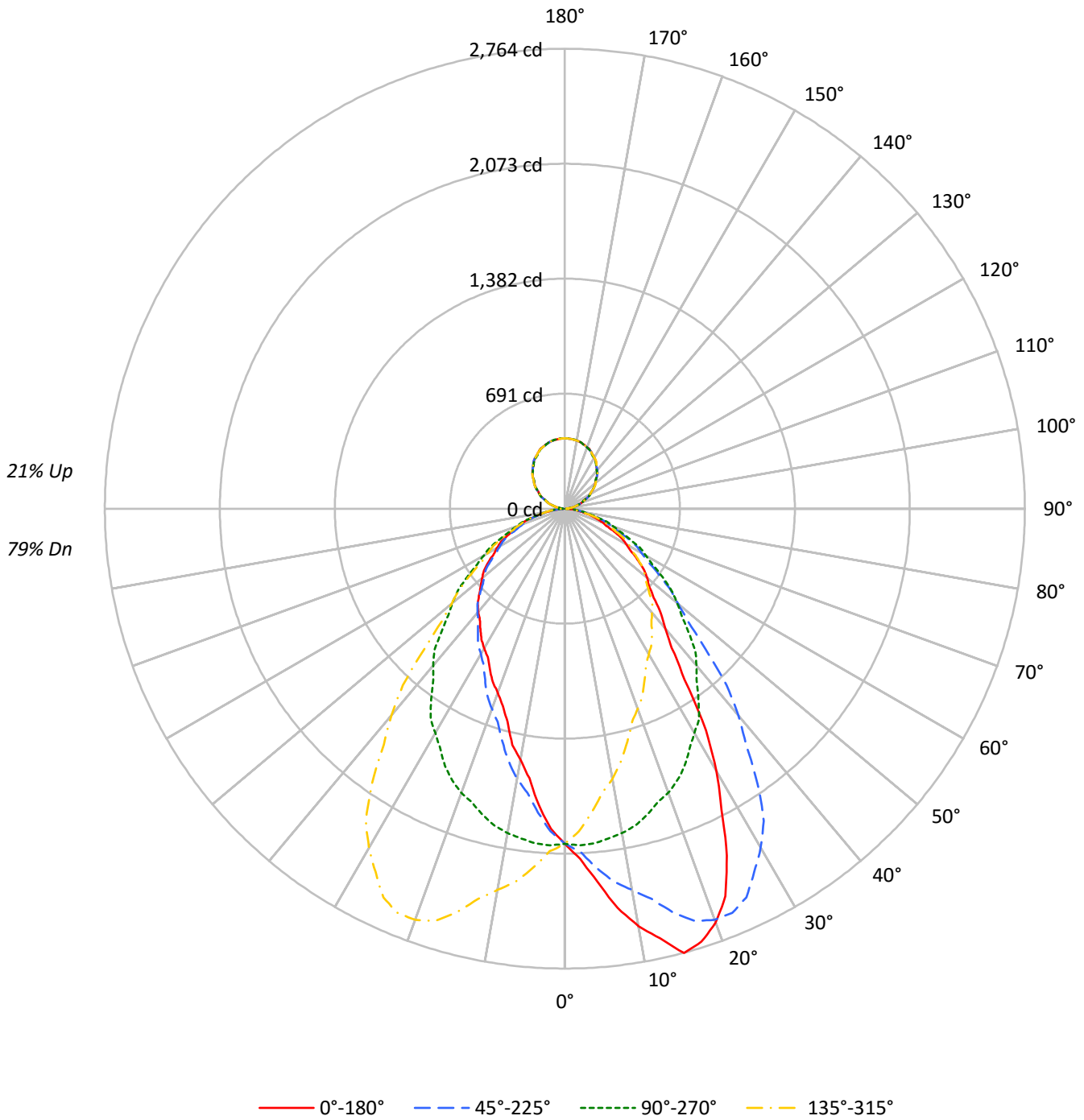
Lumens per Lamp: N/A
Luminaire Lumens: 5626.6 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 49.8
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: P331421-840
CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-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 | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 91 | 91 | 91 | 83 | 83 | 83 | 79 |
| 1 | 105 | 101 | 97 | 94 | 100 | 97 | 93 | 90 | 89 | 86 | 84 | 81 | 79 | 77 | 74 | 73 | 71 | 68 |
| 2 | 96 | 89 | 83 | 78 | 92 | 85 | 80 | 75 | 79 | 74 | 70 | 72 | 69 | 66 | 66 | 64 | 61 | 58 |
| 3 | 88 | 79 | 72 | 66 | 84 | 76 | 69 | 64 | 70 | 65 | 60 | 65 | 60 | 57 | 60 | 56 | 53 | 50 |
| 4 | 81 | 71 | 63 | 57 | 78 | 68 | 61 | 55 | 63 | 57 | 52 | 58 | 53 | 49 | 54 | 50 | 46 | 44 |
| 5 | 75 | 63 | 55 | 49 | 72 | 61 | 54 | 48 | 57 | 50 | 46 | 53 | 47 | 43 | 49 | 45 | 41 | 39 |
| 6 | 70 | 57 | 49 | 43 | 66 | 55 | 48 | 42 | 52 | 45 | 40 | 48 | 43 | 38 | 45 | 40 | 37 | 34 |
| 7 | 65 | 52 | 44 | 39 | 62 | 51 | 43 | 38 | 47 | 41 | 36 | 44 | 39 | 34 | 41 | 36 | 33 | 31 |
| 8 | 60 | 48 | 40 | 35 | 58 | 46 | 39 | 34 | 43 | 37 | 32 | 41 | 35 | 31 | 38 | 33 | 30 | 28 |
| 9 | 56 | 44 | 36 | 31 | 54 | 43 | 36 | 31 | 40 | 34 | 29 | 37 | 32 | 28 | 35 | 30 | 27 | 25 |
| 10 | 53 | 41 | 33 | 28 | 51 | 39 | 33 | 28 | 37 | 31 | 27 | 35 | 30 | 26 | 33 | 28 | 25 | 23 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 32513 | 32513 | 32513 | 32513 |
| 5° | 36451 | 32725 | 29000 | 32725 |
| 10° | 41769 | 32455 | 25097 | 32455 |
| 15° | 46208 | 31861 | 22173 | 31861 |
| 20° | 45505 | 31223 | 20213 | 31223 |
| 25° | 41031 | 30375 | 18971 | 30375 |
| 30° | 33907 | 29015 | 18066 | 29015 |
| 35° | 24711 | 27595 | 17420 | 27595 |
| 40° | 19736 | 25918 | 17062 | 25918 |
| 45° | 17249 | 23980 | 16575 | 23980 |
| 50° | 16211 | 22102 | 16252 | 22102 |
| 55° | 14945 | 20194 | 15817 | 20194 |
| 60° | 13695 | 18167 | 15145 | 18167 |
| 65° | 12478 | 16351 | 14487 | 16351 |
| 70° | 11325 | 14578 | 13520 | 14578 |
| 75° | 10044 | 12601 | 11977 | 12601 |
| 80° | 8638 | 10432 | 9642 | 10432 |
| 85° | 7744 | 7744 | 5743 | 7744 |



TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 191.8 | 3.4 |
| 10°-20° | 557.5 | 9.9 |
| 20°-30° | 809.1 | 14.4 |
| 30°-40° | 853.9 | 15.2 |
| 40°-50° | 756.0 | 13.4 |
| 50°-60° | 603.3 | 10.7 |
| 60°-70° | 410.1 | 7.3 |
| 70°-80° | 210.2 | 3.7 |
| 80°-90° | 52.4 | 0.9 |
| 90°-100° | 26.8 | 0.5 |
| 100°-110° | 83.2 | 1.5 |
| 110°-120° | 142.2 | 2.5 |
| 120°-130° | 187.0 | 3.3 |
| 130°-140° | 209.9 | 3.7 |
| 140°-150° | 205.8 | 3.7 |
| 150°-160° | 172.7 | 3.1 |
| 160°-170° | 114.5 | 2.0 |
| 170°-180° | 40.0 | 0.7 |
| 0°-30° | 1558.5 | 27.7 |
| 0°-40° | 2412.3 | 42.9 |
| 0°-60° | 3771.7 | 67.0 |
| 0°-90° | 4444.4 | 79.0 |
| 90°-120° | 252.2 | 4.5 |
| 90°-150° | 855.0 | 15.2 |
| 90°-180° | 1182.0 | 21.0 |
| 0°-180° | 5626.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2014 | 2014 | 2014 | 2014 | 2014 | |
| 5° | 2249 | 2019 | 1789 | 2019 | 2249 | 225 |
| 15° | 2764 | 1906 | 1326 | 1906 | 2764 | 763 |
| 25° | 2303 | 1705 | 1065 | 1705 | 2303 | 1041 |
| 35° | 1254 | 1400 | 884 | 1400 | 1254 | 815 |
| 45° | 755 | 1050 | 726 | 1050 | 755 | 594 |
| 55° | 531 | 717 | 562 | 717 | 531 | 476 |
| 65° | 327 | 428 | 379 | 428 | 327 | 325 |
| 75° | 161 | 202 | 192 | 202 | 161 | 172 |
| 85° | 42 | 42 | 31 | 42 | 42 | 46 |
| 90° | 12 | 0 | 12 | 0 | 12 | 7 |
| 95° | 22 | 19 | 22 | 19 | 22 | 25 |
| 105° | 79 | 77 | 79 | 77 | 79 | 83 |
| 115° | 143 | 143 | 143 | 143 | 143 | 141 |
| 125° | 208 | 208 | 208 | 208 | 208 | 186 |
| 135° | 272 | 269 | 272 | 269 | 272 | 209 |
| 145° | 330 | 326 | 330 | 326 | 330 | 206 |
| 155° | 376 | 373 | 376 | 373 | 376 | 173 |
| 165° | 406 | 406 | 406 | 406 | 406 | 115 |
| 175° | 421 | 422 | 421 | 422 | 421 | 40 |
| 180° | 423 | 423 | 423 | 423 | 423 | |



TEST NUMBER: P331421-840
 CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 |
| 2.5° | 2106.6 | 2107.2 | 2108.4 | 2098.5 | 2097.3 | 2097.3 | 2088.6 | 2081.2 | 2072.5 | 2060.7 | 2062.0 |
| 5° | 2249.0 | 2257.5 | 2260.6 | 2251.3 | 2237.4 | 2235.8 | 2222.7 | 2201.0 | 2180.9 | 2164.6 | 2153.0 |
| 7.5° | 2418.9 | 2422.4 | 2414.8 | 2402.6 | 2392.2 | 2373.6 | 2349.1 | 2325.1 | 2291.6 | 2260.8 | 2237.9 |
| 10° | 2547.7 | 2552.3 | 2539.2 | 2521.4 | 2506.7 | 2485.1 | 2449.4 | 2413.1 | 2368.9 | 2326.4 | 2292.3 |
| 12.5° | 2645.5 | 2657.0 | 2640.1 | 2637.8 | 2612.6 | 2582.8 | 2540.4 | 2522.0 | 2459.9 | 2400.7 | 2364.2 |
| 15° | 2764.4 | 2763.6 | 2765.2 | 2750.5 | 2731.9 | 2727.2 | 2682.4 | 2633.6 | 2546.2 | 2511.3 | 2450.9 |
| 17.5° | 2730.1 | 2741.8 | 2747.2 | 2747.0 | 2746.6 | 2743.7 | 2729.3 | 2698.5 | 2654.6 | 2598.2 | 2528.5 |
| 20° | 2648.4 | 2663.8 | 2666.1 | 2683.9 | 2694.0 | 2707.1 | 2712.6 | 2704.0 | 2677.0 | 2629.8 | 2569.4 |
| 22.5° | 2522.0 | 2526.4 | 2533.7 | 2561.3 | 2583.1 | 2616.2 | 2633.3 | 2661.9 | 2651.6 | 2628.5 | 2578.1 |
| 25° | 2303.2 | 2295.4 | 2322.5 | 2336.4 | 2386.7 | 2439.3 | 2477.3 | 2519.1 | 2556.3 | 2578.7 | 2563.9 |
| 27.5° | 2040.3 | 2028.7 | 2069.3 | 2106.3 | 2147.2 | 2204.1 | 2263.2 | 2333.0 | 2391.1 | 2463.7 | 2488.6 |
| 30° | 1818.7 | 1825.6 | 1864.3 | 1903.8 | 1965.7 | 2046.2 | 2112.7 | 2189.4 | 2272.2 | 2353.5 | 2409.9 |
| 32.5° | 1579.7 | 1606.5 | 1630.9 | 1691.4 | 1746.0 | 1835.7 | 1933.2 | 2029.0 | 2132.3 | 2224.7 | 2312.2 |
| 35° | 1253.7 | 1284.6 | 1318.8 | 1362.8 | 1439.5 | 1528.4 | 1623.7 | 1752.9 | 1893.8 | 2019.9 | 2123.6 |
| 37.5° | 1055.3 | 1050.4 | 1069.9 | 1101.8 | 1163.8 | 1235.7 | 1345.2 | 1472.9 | 1638.7 | 1787.0 | 1933.2 |
| 40° | 936.4 | 933.3 | 947.3 | 976.6 | 1023.9 | 1076.5 | 1172.5 | 1284.6 | 1438.7 | 1619.8 | 1793.9 |
| 42.5° | 854.7 | 856.6 | 864.3 | 885.0 | 917.4 | 960.7 | 1032.6 | 1128.0 | 1269.1 | 1439.7 | 1626.8 |
| 45° | 755.4 | 760.7 | 769.3 | 779.3 | 797.9 | 833.5 | 873.7 | 941.9 | 1053.3 | 1195.7 | 1379.9 |
| 47.5° | 683.8 | 684.0 | 692.7 | 701.5 | 712.5 | 732.6 | 765.4 | 808.1 | 886.8 | 1002.7 | 1161.0 |
| 50° | 645.4 | 640.1 | 646.2 | 653.2 | 664.8 | 678.7 | 700.3 | 740.6 | 793.2 | 886.9 | 1019.3 |
| 52.5° | 598.3 | 598.5 | 604.1 | 606.7 | 617.1 | 631.1 | 650.9 | 678.7 | 726.4 | 799.6 | 908.4 |
| 55° | 530.9 | 534.7 | 537.9 | 542.5 | 551.8 | 561.9 | 577.3 | 595.9 | 633.1 | 688.0 | 768.5 |
| 57.5° | 467.5 | 468.7 | 471.8 | 480.6 | 486.5 | 495.7 | 510.5 | 527.4 | 551.5 | 592.2 | 652.7 |
| 60° | 424.1 | 424.1 | 430.3 | 434.1 | 441.9 | 451.2 | 462.8 | 479.1 | 500.7 | 534.0 | 582.8 |
| 62.5° | 384.5 | 383.8 | 386.4 | 392.6 | 398.6 | 407.3 | 418.8 | 432.6 | 453.0 | 482.6 | 522.7 |
| 65° | 326.6 | 325.1 | 329.7 | 331.2 | 337.4 | 346.0 | 355.3 | 369.9 | 386.2 | 407.9 | 443.4 |
| 67.5° | 270.8 | 272.8 | 275.2 | 278.1 | 281.6 | 290.5 | 296.7 | 307.1 | 320.8 | 338.8 | 362.9 |
| 70° | 239.9 | 239.9 | 239.9 | 242.3 | 246.9 | 251.6 | 257.7 | 266.2 | 279.4 | 294.9 | 316.5 |
| 72.5° | 205.2 | 207.7 | 210.2 | 208.8 | 214.7 | 217.4 | 224.9 | 229.7 | 242.3 | 252.2 | 271.4 |
| 75° | 161.0 | 161.0 | 161.0 | 164.8 | 167.1 | 169.5 | 174.1 | 178.7 | 185.0 | 197.3 | 207.4 |
| 77.5° | 120.1 | 119.8 | 120.6 | 121.5 | 124.0 | 126.7 | 128.2 | 132.3 | 138.0 | 143.8 | 152.3 |
| 80° | 92.9 | 94.4 | 95.2 | 96.7 | 96.7 | 98.3 | 99.1 | 104.5 | 108.4 | 112.2 | 117.6 |
| 82.5° | 71.8 | 72.1 | 72.3 | 72.6 | 73.2 | 74.1 | 76.1 | 77.9 | 79.3 | 82.5 | 86.6 |
| 85° | 41.8 | 41.0 | 41.0 | 42.5 | 41.8 | 41.8 | 43.3 | 44.8 | 44.8 | 45.6 | 48.0 |
| 87.5° | 18.5 | 18.5 | 19.1 | 18.5 | 18.5 | 19.1 | 19.1 | 18.6 | 19.2 | 19.8 | 20.1 |
| 90° | 12.1 | 12.0 | 12.0 | 11.9 | 11.8 | 11.8 | 12.0 | 12.2 | 12.3 | 12.5 | 10.7 |
| 92.5° | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.4 | 11.4 | 11.4 | 11.3 | 10.9 |
| 95° | 22.1 | 22.3 | 22.4 | 22.6 | 22.7 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.7 |
| 97.5° | 38.3 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.1 |
| 100° | 48.9 | 49.0 | 49.1 | 49.1 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.0 |
| 102.5° | 60.9 | 61.0 | 61.0 | 61.1 | 61.2 | 61.2 | 61.1 | 61.1 | 61.0 | 60.9 | 60.6 |
| 105° | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.0 | 78.8 | 78.7 | 78.5 | 78.4 |
| 107.5° | 96.4 | 96.8 | 97.3 | 97.6 | 98.0 | 98.1 | 98.1 | 98.0 | 97.9 | 97.9 | 97.9 |
| 110° | 109.9 | 110.2 | 110.4 | 110.6 | 110.9 | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 122.7 | 122.9 | 123.1 | 123.3 | 123.4 | 123.6 | 123.8 | 124.0 | 124.2 | 124.4 | 124.4 |
| 115° | 142.7 | 143.0 | 143.2 | 143.4 | 143.7 | 143.8 | 143.9 | 144.0 | 144.1 | 144.1 | 144.3 |
| 117.5° | 161.8 | 162.0 | 162.3 | 162.5 | 162.7 | 162.9 | 163.1 | 163.3 | 163.5 | 163.7 | 164.1 |
| 120° | 175.2 | 175.4 | 175.6 | 175.9 | 176.1 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.9 |
| 122.5° | 188.3 | 188.4 | 188.6 | 188.8 | 189.0 | 189.1 | 189.3 | 189.6 | 189.8 | 190.0 | 190.4 |
| 125° | 208.3 | 208.4 | 208.5 | 208.6 | 208.6 | 208.8 | 209.0 | 209.3 | 209.5 | 209.7 | 210.1 |
| 127.5° | 226.6 | 226.9 | 227.1 | 227.4 | 227.6 | 227.9 | 228.2 | 228.5 | 228.7 | 229.0 | 229.3 |
| 130° | 239.7 | 240.0 | 240.3 | 240.8 | 241.1 | 241.3 | 241.5 | 241.6 | 241.8 | 241.9 | 242.1 |
| 132.5° | 252.4 | 252.6 | 252.9 | 253.1 | 253.4 | 253.7 | 254.0 | 254.3 | 254.7 | 255.0 | 255.0 |
| 135° | 271.9 | 272.2 | 272.4 | 272.6 | 272.9 | 273.0 | 273.1 | 273.2 | 273.2 | 273.3 | 273.2 |
| 137.5° | 289.5 | 289.9 | 290.2 | 290.5 | 290.8 | 291.0 | 291.0 | 291.1 | 291.2 | 291.2 | 291.0 |
| 140° | 301.8 | 302.2 | 302.5 | 302.8 | 303.1 | 303.3 | 303.3 | 303.3 | 303.3 | 303.3 | 302.9 |
| 142.5° | 313.0 | 313.3 | 313.6 | 314.0 | 314.3 | 314.4 | 314.3 | 314.3 | 314.2 | 314.1 | 313.9 |
| 145° | 329.6 | 330.0 | 330.3 | 330.6 | 330.9 | 331.0 | 330.9 | 330.9 | 330.8 | 330.7 | 330.2 |
| 147.5° | 344.6 | 344.9 | 345.2 | 345.5 | 345.8 | 345.9 | 345.7 | 345.5 | 345.4 | 345.2 | 344.9 |
| 150° | 354.3 | 354.6 | 354.8 | 355.0 | 355.3 | 355.3 | 355.0 | 354.8 | 354.6 | 354.3 | 354.0 |
| 152.5° | 363.5 | 363.8 | 364.1 | 364.4 | 364.7 | 364.7 | 364.4 | 364.1 | 363.8 | 363.5 | 363.0 |
| 155° | 375.7 | 376.0 | 376.2 | 376.4 | 376.7 | 376.6 | 376.2 | 375.8 | 375.4 | 375.0 | 374.8 |
| 157.5° | 386.3 | 386.7 | 387.0 | 387.4 | 387.8 | 387.7 | 387.2 | 386.6 | 386.1 | 385.6 | 385.4 |
| 160° | 392.8 | 393.1 | 393.4 | 393.7 | 394.0 | 394.0 | 393.5 | 393.0 | 392.5 | 392.1 | 392.0 |
| 162.5° | 398.5 | 398.9 | 399.3 | 399.7 | 400.0 | 400.0 | 399.4 | 398.9 | 398.4 | 397.8 | 397.8 |
| 165° | 406.1 | 406.4 | 406.8 | 407.2 | 407.6 | 407.5 | 407.0 | 406.4 | 405.9 | 405.3 | 405.3 |
| 167.5° | 412.1 | 412.5 | 412.9 | 413.4 | 413.8 | 413.7 | 413.1 | 412.6 | 412.0 | 411.5 | 411.5 |
| 170° | 415.3 | 415.8 | 416.3 | 416.8 | 417.2 | 417.2 | 416.6 | 416.1 | 415.5 | 415.0 | 415.1 |
| 172.5° | 417.9 | 418.4 | 418.8 | 419.3 | 419.8 | 419.7 | 419.2 | 418.6 | 418.1 | 417.5 | 417.6 |
| 175° | 420.6 | 421.1 | 421.6 | 422.1 | 422.5 | 422.5 | 421.9 | 421.4 | 420.8 | 420.3 | 420.4 |
| 177.5° | 421.9 | 422.3 | 422.7 | 423.0 | 423.4 | 423.4 | 423.0 | 422.7 | 422.3 | 421.9 | 422.0 |
| 180° | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 |
| 2.5° | 2066.4 | 2061.4 | 2058.3 | 2047.2 | 2037.2 | 2027.3 | 2024.3 | 2025.5 | 2011.9 | 1998.8 | 1993.3 |
| 5° | 2146.9 | 2131.3 | 2116.7 | 2095.8 | 2071.0 | 2043.9 | 2029.9 | 2019.1 | 1992.1 | 1962.7 | 1945.6 |
| 7.5° | 2219.0 | 2196.9 | 2168.5 | 2129.2 | 2093.1 | 2050.5 | 2023.5 | 1999.4 | 1959.8 | 1918.3 | 1893.0 |
| 10° | 2262.9 | 2232.7 | 2196.4 | 2148.4 | 2104.3 | 2052.4 | 2016.0 | 1979.6 | 1933.2 | 1883.7 | 1852.7 |
| 12.5° | 2300.7 | 2260.0 | 2224.2 | 2162.6 | 2110.4 | 2045.6 | 2002.5 | 1951.2 | 1902.3 | 1843.4 | 1813.1 |
| 15° | 2390.7 | 2315.5 | 2247.5 | 2177.8 | 2113.5 | 2023.0 | 1975.0 | 1906.1 | 1841.9 | 1769.2 | 1734.3 |
| 17.5° | 2460.1 | 2375.7 | 2268.5 | 2180.0 | 2105.1 | 2004.8 | 1934.3 | 1851.8 | 1775.8 | 1692.7 | 1645.4 |
| 20° | 2499.7 | 2403.0 | 2287.6 | 2182.4 | 2092.6 | 1978.1 | 1901.5 | 1817.2 | 1728.2 | 1634.5 | 1583.5 |
| 22.5° | 2523.2 | 2421.6 | 2307.5 | 2173.1 | 2067.9 | 1956.4 | 1860.0 | 1767.6 | 1677.4 | 1576.3 | 1522.8 |
| 25° | 2530.7 | 2437.8 | 2317.1 | 2165.5 | 2036.9 | 1910.8 | 1794.7 | 1705.0 | 1595.8 | 1501.4 | 1423.2 |
| 27.5° | 2493.9 | 2427.3 | 2311.2 | 2150.8 | 2001.1 | 1853.7 | 1724.2 | 1622.6 | 1507.4 | 1404.9 | 1326.4 |
| 30° | 2448.6 | 2409.9 | 2296.9 | 2136.0 | 1972.7 | 1814.0 | 1671.6 | 1556.3 | 1441.8 | 1338.1 | 1257.6 |
| 32.5° | 2378.7 | 2370.4 | 2271.0 | 2115.0 | 1942.4 | 1763.9 | 1616.6 | 1500.0 | 1373.1 | 1271.2 | 1194.5 |
| 35° | 2241.3 | 2278.4 | 2215.7 | 2067.9 | 1885.2 | 1692.5 | 1533.1 | 1400.0 | 1268.5 | 1170.9 | 1098.9 |
| 37.5° | 2057.1 | 2149.3 | 2132.9 | 1999.0 | 1808.2 | 1614.9 | 1438.9 | 1299.7 | 1174.4 | 1075.9 | 1005.3 |
| 40° | 1930.2 | 2047.8 | 2064.8 | 1946.4 | 1753.7 | 1554.8 | 1368.3 | 1229.7 | 1107.4 | 1017.7 | 946.4 |
| 42.5° | 1793.9 | 1931.4 | 1978.1 | 1883.2 | 1694.3 | 1491.7 | 1305.1 | 1161.6 | 1040.6 | 953.3 | 890.2 |
| 45° | 1565.6 | 1747.5 | 1831.9 | 1777.7 | 1595.1 | 1387.7 | 1195.7 | 1050.2 | 940.3 | 858.3 | 809.5 |
| 47.5° | 1352.2 | 1551.0 | 1664.4 | 1645.2 | 1484.7 | 1279.3 | 1089.5 | 949.9 | 842.9 | 777.5 | 733.9 |
| 50° | 1201.1 | 1405.4 | 1542.4 | 1548.6 | 1405.4 | 1201.8 | 1011.5 | 879.9 | 781.6 | 720.5 | 684.9 |
| 52.5° | 1069.9 | 1264.9 | 1414.2 | 1447.0 | 1316.9 | 1121.4 | 941.5 | 810.6 | 724.1 | 667.9 | 636.0 |
| 55° | 898.5 | 1063.4 | 1229.0 | 1289.3 | 1184.9 | 999.2 | 832.7 | 717.4 | 636.1 | 597.4 | 569.6 |
| 57.5° | 747.0 | 884.4 | 1037.3 | 1104.1 | 1039.7 | 880.7 | 724.7 | 624.5 | 558.7 | 524.7 | 503.3 |
| 60° | 667.1 | 775.5 | 911.7 | 991.4 | 935.6 | 794.1 | 657.8 | 562.6 | 508.5 | 478.3 | 458.2 |
| 62.5° | 592.8 | 688.8 | 804.0 | 876.9 | 846.5 | 713.0 | 591.0 | 507.0 | 460.2 | 431.8 | 417.3 |
| 65° | 489.1 | 564.9 | 654.0 | 721.2 | 701.1 | 599.8 | 500.0 | 428.0 | 390.8 | 368.4 | 356.8 |
| 67.5° | 402.7 | 457.6 | 519.3 | 578.2 | 562.0 | 490.2 | 410.0 | 354.0 | 326.3 | 306.9 | 299.9 |
| 70° | 348.3 | 390.0 | 445.0 | 492.2 | 479.1 | 420.2 | 356.8 | 308.8 | 284.8 | 268.5 | 261.6 |
| 72.5° | 296.3 | 330.6 | 372.5 | 411.1 | 402.2 | 353.4 | 300.4 | 264.2 | 245.8 | 230.8 | 225.1 |
| 75° | 223.7 | 249.9 | 275.5 | 301.0 | 298.7 | 260.8 | 229.8 | 202.0 | 187.3 | 175.7 | 173.4 |
| 77.5° | 165.1 | 179.9 | 197.2 | 212.4 | 208.1 | 186.5 | 162.2 | 146.2 | 135.4 | 127.6 | 126.4 |
| 80° | 126.1 | 134.6 | 147.0 | 157.8 | 152.5 | 143.2 | 123.8 | 112.2 | 104.5 | 96.7 | 93.6 |
| 82.5° | 91.5 | 100.0 | 107.4 | 113.3 | 109.2 | 100.5 | 88.6 | 80.7 | 76.0 | 70.7 | 69.5 |
| 85° | 48.0 | 52.6 | 55.7 | 57.3 | 55.7 | 50.3 | 44.8 | 41.8 | 38.0 | 35.6 | 34.8 |
| 87.5° | 20.4 | 20.0 | 19.7 | 20.6 | 18.6 | 18.4 | 15.8 | 13.7 | 13.2 | 12.8 | 11.8 |
| 90° | 9.0 | 7.3 | 5.6 | 4.1 | 3.2 | 2.2 | 1.3 | 0.4 | 1.3 | 2.2 | 3.2 |
| 92.5° | 10.5 | 10.1 | 9.7 | 9.2 | 8.5 | 7.8 | 7.1 | 6.4 | 7.1 | 7.8 | 8.5 |
| 95° | 22.5 | 22.3 | 22.2 | 21.7 | 20.9 | 20.1 | 19.4 | 18.6 | 19.4 | 20.1 | 20.9 |
| 97.5° | 37.8 | 37.5 | 37.2 | 36.7 | 36.0 | 35.2 | 34.6 | 33.9 | 34.6 | 35.2 | 36.0 |
| 100° | 48.8 | 48.5 | 48.3 | 47.9 | 47.3 | 46.6 | 45.9 | 45.3 | 45.9 | 46.6 | 47.3 |
| 102.5° | 60.3 | 60.0 | 59.8 | 59.3 | 58.8 | 58.3 | 57.8 | 57.3 | 57.8 | 58.3 | 58.8 |
| 105° | 78.2 | 78.1 | 77.9 | 77.7 | 77.5 | 77.2 | 77.0 | 76.7 | 77.0 | 77.2 | 77.5 |
| 107.5° | 97.9 | 97.9 | 97.9 | 97.7 | 97.4 | 96.9 | 96.6 | 96.2 | 96.6 | 96.9 | 97.4 |
| 110° | 111.0 | 111.0 | 111.0 | 110.7 | 110.3 | 109.8 | 109.3 | 108.9 | 109.3 | 109.8 | 110.3 |



TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 124.5 | 124.5 | 124.6 | 124.4 | 123.9 | 123.5 | 123.0 | 122.5 | 123.0 | 123.5 | 123.9 |
| 115° | 144.4 | 144.6 | 144.8 | 144.6 | 144.1 | 143.7 | 143.2 | 142.7 | 143.2 | 143.7 | 144.1 |
| 117.5° | 164.6 | 165.0 | 165.5 | 165.4 | 164.7 | 164.1 | 163.5 | 162.8 | 163.5 | 164.1 | 164.7 |
| 120° | 177.5 | 178.1 | 178.7 | 178.7 | 178.1 | 177.5 | 176.9 | 176.2 | 176.9 | 177.5 | 178.1 |
| 122.5° | 190.9 | 191.3 | 191.8 | 191.6 | 190.8 | 190.1 | 189.2 | 188.5 | 189.2 | 190.1 | 190.8 |
| 125° | 210.3 | 210.5 | 210.8 | 210.5 | 209.7 | 209.0 | 208.3 | 207.6 | 208.3 | 209.0 | 209.7 |
| 127.5° | 229.6 | 229.9 | 230.1 | 229.8 | 228.9 | 228.1 | 227.2 | 226.3 | 227.2 | 228.1 | 228.9 |
| 130° | 242.3 | 242.4 | 242.6 | 242.1 | 241.1 | 240.0 | 239.0 | 238.0 | 239.0 | 240.0 | 241.1 |
| 132.5° | 255.0 | 254.9 | 254.9 | 254.5 | 253.6 | 252.8 | 252.0 | 251.2 | 252.0 | 252.8 | 253.6 |
| 135° | 273.0 | 272.9 | 272.7 | 272.2 | 271.2 | 270.4 | 269.5 | 268.6 | 269.5 | 270.4 | 271.2 |
| 137.5° | 290.8 | 290.6 | 290.4 | 290.0 | 289.3 | 288.5 | 287.8 | 287.1 | 287.8 | 288.5 | 289.3 |
| 140° | 302.5 | 302.1 | 301.6 | 301.1 | 300.4 | 299.7 | 299.0 | 298.3 | 299.0 | 299.7 | 300.4 |
| 142.5° | 313.6 | 313.3 | 313.1 | 312.6 | 311.8 | 311.1 | 310.4 | 309.7 | 310.4 | 311.1 | 311.8 |
| 145° | 329.8 | 329.3 | 328.8 | 328.3 | 327.8 | 327.2 | 326.7 | 326.1 | 326.7 | 327.2 | 327.8 |
| 147.5° | 344.6 | 344.2 | 343.9 | 343.4 | 342.7 | 342.0 | 341.4 | 340.7 | 341.4 | 342.0 | 342.7 |
| 150° | 353.7 | 353.4 | 353.0 | 352.6 | 352.1 | 351.6 | 351.2 | 350.7 | 351.2 | 351.6 | 352.1 |
| 152.5° | 362.6 | 362.2 | 361.9 | 361.4 | 361.0 | 360.5 | 360.0 | 359.6 | 360.0 | 360.5 | 361.0 |
| 155° | 374.5 | 374.3 | 374.1 | 373.8 | 373.5 | 373.3 | 373.0 | 372.8 | 373.0 | 373.3 | 373.5 |
| 157.5° | 385.3 | 385.2 | 385.0 | 384.9 | 384.7 | 384.5 | 384.4 | 384.2 | 384.4 | 384.5 | 384.7 |
| 160° | 391.9 | 391.8 | 391.8 | 391.6 | 391.5 | 391.3 | 391.2 | 391.0 | 391.2 | 391.3 | 391.5 |
| 162.5° | 397.7 | 397.6 | 397.5 | 397.5 | 397.4 | 397.4 | 397.4 | 397.3 | 397.4 | 397.4 | 397.4 |
| 165° | 405.3 | 405.3 | 405.3 | 405.4 | 405.5 | 405.5 | 405.6 | 405.7 | 405.6 | 405.5 | 405.5 |
| 167.5° | 411.5 | 411.5 | 411.6 | 411.7 | 411.9 | 412.2 | 412.4 | 412.6 | 412.4 | 412.2 | 411.9 |
| 170° | 415.1 | 415.2 | 415.3 | 415.5 | 415.7 | 415.9 | 416.2 | 416.4 | 416.2 | 415.9 | 415.7 |
| 172.5° | 417.7 | 417.8 | 417.8 | 418.0 | 418.2 | 418.5 | 418.7 | 418.9 | 418.7 | 418.5 | 418.2 |
| 175° | 420.6 | 420.8 | 420.9 | 421.1 | 421.3 | 421.6 | 421.8 | 422.1 | 421.8 | 421.6 | 421.3 |
| 177.5° | 422.2 | 422.3 | 422.4 | 422.6 | 422.8 | 422.9 | 423.1 | 423.3 | 423.1 | 422.9 | 422.8 |
| 180° | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 |



TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 |
| 2.5° | 1987.1 | 1983.4 | 1970.3 | 1963.6 | 1952.5 | 1941.9 | 1935.1 | 1938.2 | 1940.7 | 1939.4 | 1937.5 |
| 5° | 1930.2 | 1915.4 | 1893.0 | 1873.6 | 1859.7 | 1834.2 | 1823.3 | 1818.0 | 1813.3 | 1807.9 | 1802.4 |
| 7.5° | 1862.3 | 1839.2 | 1807.0 | 1779.4 | 1753.3 | 1721.6 | 1703.5 | 1692.7 | 1681.5 | 1669.3 | 1658.5 |
| 10° | 1814.0 | 1781.5 | 1747.5 | 1708.8 | 1677.9 | 1649.2 | 1623.7 | 1606.6 | 1591.1 | 1576.5 | 1565.6 |
| 12.5° | 1763.3 | 1725.9 | 1683.7 | 1630.8 | 1596.7 | 1555.7 | 1551.9 | 1521.9 | 1497.6 | 1488.5 | 1475.8 |
| 15° | 1682.4 | 1629.8 | 1576.5 | 1513.8 | 1486.7 | 1449.6 | 1426.3 | 1403.1 | 1382.2 | 1367.5 | 1363.6 |
| 17.5° | 1590.7 | 1522.6 | 1469.5 | 1424.4 | 1380.1 | 1342.0 | 1320.6 | 1302.0 | 1284.9 | 1265.2 | 1262.5 |
| 20° | 1520.8 | 1461.9 | 1403.9 | 1364.4 | 1318.8 | 1280.0 | 1253.7 | 1235.2 | 1220.4 | 1208.8 | 1198.8 |
| 22.5° | 1454.5 | 1390.1 | 1337.0 | 1293.8 | 1248.8 | 1217.5 | 1196.8 | 1178.8 | 1166.6 | 1153.8 | 1144.3 |
| 25° | 1348.2 | 1297.9 | 1239.8 | 1191.0 | 1153.9 | 1133.8 | 1116.7 | 1101.3 | 1093.6 | 1085.0 | 1074.2 |
| 27.5° | 1255.2 | 1199.2 | 1144.9 | 1107.1 | 1074.5 | 1056.7 | 1044.6 | 1034.1 | 1026.8 | 1021.9 | 1015.7 |
| 30° | 1189.5 | 1133.0 | 1090.5 | 1053.3 | 1026.2 | 1008.5 | 1000.7 | 994.5 | 985.9 | 982.9 | 979.8 |
| 32.5° | 1126.3 | 1075.4 | 1039.1 | 1006.8 | 981.0 | 969.4 | 962.3 | 956.7 | 950.1 | 947.0 | 940.8 |
| 35° | 1037.0 | 994.5 | 958.9 | 941.1 | 920.2 | 910.1 | 904.7 | 897.0 | 890.8 | 887.7 | 886.9 |
| 37.5° | 953.0 | 916.0 | 892.6 | 869.7 | 860.9 | 854.7 | 847.3 | 842.0 | 840.2 | 839.7 | 838.9 |
| 40° | 898.5 | 868.3 | 847.5 | 828.9 | 825.0 | 815.7 | 809.5 | 804.9 | 804.9 | 805.7 | 804.9 |
| 42.5° | 849.0 | 821.9 | 803.4 | 787.4 | 782.8 | 777.3 | 771.1 | 770.8 | 772.0 | 774.7 | 772.0 |
| 45° | 774.0 | 754.6 | 741.4 | 733.7 | 725.2 | 719.7 | 718.9 | 721.2 | 722.1 | 722.9 | 725.2 |
| 47.5° | 704.9 | 692.1 | 680.1 | 671.6 | 667.9 | 666.9 | 666.0 | 670.0 | 673.8 | 675.2 | 678.7 |
| 50° | 664.0 | 649.3 | 639.2 | 633.8 | 630.8 | 629.1 | 630.8 | 635.4 | 638.4 | 642.4 | 644.7 |
| 52.5° | 618.2 | 607.8 | 600.9 | 596.7 | 595.4 | 596.4 | 596.7 | 602.0 | 606.9 | 608.3 | 609.4 |
| 55° | 554.9 | 547.1 | 545.6 | 538.7 | 541.7 | 541.0 | 544.8 | 548.0 | 552.6 | 557.2 | 558.0 |
| 57.5° | 491.7 | 485.5 | 481.4 | 482.0 | 482.9 | 486.4 | 489.6 | 495.0 | 500.0 | 504.9 | 505.3 |
| 60° | 449.7 | 446.6 | 444.2 | 444.2 | 445.8 | 450.4 | 454.2 | 459.7 | 462.8 | 465.9 | 468.2 |
| 62.5° | 411.2 | 408.2 | 405.9 | 407.1 | 411.1 | 413.8 | 418.4 | 421.3 | 424.4 | 427.5 | 428.6 |
| 65° | 350.6 | 349.0 | 351.3 | 352.9 | 353.7 | 357.6 | 362.9 | 365.3 | 368.4 | 369.9 | 375.4 |
| 67.5° | 294.7 | 295.0 | 294.7 | 296.9 | 301.3 | 302.3 | 307.4 | 312.9 | 313.5 | 316.4 | 319.9 |
| 70° | 256.9 | 258.5 | 260.0 | 261.6 | 265.5 | 267.0 | 270.8 | 273.2 | 276.3 | 278.6 | 280.9 |
| 72.5° | 222.3 | 222.6 | 224.1 | 223.8 | 227.0 | 230.5 | 233.7 | 236.0 | 239.1 | 242.1 | 244.4 |
| 75° | 171.1 | 171.1 | 172.6 | 173.4 | 177.2 | 181.1 | 180.4 | 181.9 | 185.0 | 188.0 | 189.7 |
| 77.5° | 124.9 | 123.2 | 124.9 | 125.7 | 126.9 | 130.2 | 130.8 | 133.0 | 136.5 | 135.4 | 137.1 |
| 80° | 95.2 | 92.9 | 95.2 | 95.9 | 95.9 | 99.9 | 99.9 | 101.4 | 103.7 | 101.4 | 103.7 |
| 82.5° | 68.0 | 66.9 | 68.6 | 68.8 | 70.0 | 70.1 | 71.4 | 71.7 | 74.0 | 72.9 | 74.0 |
| 85° | 34.0 | 33.3 | 34.0 | 33.3 | 34.0 | 34.8 | 34.8 | 34.0 | 34.0 | 35.6 | 33.3 |
| 87.5° | 11.3 | 11.0 | 10.7 | 11.1 | 10.8 | 10.5 | 9.9 | 9.9 | 9.8 | 8.6 | 8.6 |
| 90° | 4.1 | 5.6 | 7.3 | 9.0 | 10.7 | 12.5 | 12.3 | 12.2 | 12.0 | 11.8 | 11.8 |
| 92.5° | 9.2 | 9.7 | 10.1 | 10.5 | 10.9 | 11.3 | 11.4 | 11.4 | 11.4 | 11.5 | 11.5 |
| 95° | 21.7 | 22.2 | 22.3 | 22.5 | 22.7 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.7 |
| 97.5° | 36.7 | 37.2 | 37.5 | 37.8 | 38.1 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 |
| 100° | 47.9 | 48.3 | 48.5 | 48.8 | 49.0 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.2 |
| 102.5° | 59.3 | 59.8 | 60.0 | 60.3 | 60.6 | 60.9 | 61.0 | 61.1 | 61.1 | 61.2 | 61.2 |
| 105° | 77.7 | 77.9 | 78.1 | 78.2 | 78.4 | 78.5 | 78.7 | 78.8 | 79.0 | 79.2 | 79.2 |
| 107.5° | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.1 | 98.1 | 98.0 |
| 110° | 110.7 | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 | 110.9 |



TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 124.4 | 124.6 | 124.5 | 124.5 | 124.4 | 124.4 | 124.2 | 124.0 | 123.8 | 123.6 | 123.4 |
| 115° | 144.6 | 144.8 | 144.6 | 144.4 | 144.3 | 144.1 | 144.1 | 144.0 | 143.9 | 143.8 | 143.7 |
| 117.5° | 165.4 | 165.5 | 165.0 | 164.6 | 164.1 | 163.7 | 163.5 | 163.3 | 163.1 | 162.9 | 162.7 |
| 120° | 178.7 | 178.7 | 178.1 | 177.5 | 176.9 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.1 |
| 122.5° | 191.6 | 191.8 | 191.3 | 190.9 | 190.4 | 190.0 | 189.8 | 189.6 | 189.3 | 189.1 | 189.0 |
| 125° | 210.5 | 210.8 | 210.5 | 210.3 | 210.1 | 209.7 | 209.5 | 209.3 | 209.0 | 208.8 | 208.6 |
| 127.5° | 229.8 | 230.1 | 229.9 | 229.6 | 229.3 | 229.0 | 228.7 | 228.5 | 228.2 | 227.9 | 227.6 |
| 130° | 242.1 | 242.6 | 242.4 | 242.3 | 242.1 | 241.9 | 241.8 | 241.6 | 241.5 | 241.3 | 241.1 |
| 132.5° | 254.5 | 254.9 | 254.9 | 255.0 | 255.0 | 255.0 | 254.7 | 254.3 | 254.0 | 253.7 | 253.4 |
| 135° | 272.2 | 272.7 | 272.9 | 273.0 | 273.2 | 273.3 | 273.2 | 273.2 | 273.1 | 273.0 | 272.9 |
| 137.5° | 290.0 | 290.4 | 290.6 | 290.8 | 291.0 | 291.2 | 291.2 | 291.1 | 291.0 | 291.0 | 290.8 |
| 140° | 301.1 | 301.6 | 302.1 | 302.5 | 302.9 | 303.3 | 303.3 | 303.3 | 303.3 | 303.3 | 303.1 |
| 142.5° | 312.6 | 313.1 | 313.3 | 313.6 | 313.9 | 314.1 | 314.2 | 314.3 | 314.3 | 314.4 | 314.3 |
| 145° | 328.3 | 328.8 | 329.3 | 329.8 | 330.2 | 330.7 | 330.8 | 330.9 | 330.9 | 331.0 | 330.9 |
| 147.5° | 343.4 | 343.9 | 344.2 | 344.6 | 344.9 | 345.2 | 345.4 | 345.5 | 345.7 | 345.9 | 345.8 |
| 150° | 352.6 | 353.0 | 353.4 | 353.7 | 354.0 | 354.3 | 354.6 | 354.8 | 355.0 | 355.3 | 355.3 |
| 152.5° | 361.4 | 361.9 | 362.2 | 362.6 | 363.0 | 363.5 | 363.8 | 364.1 | 364.4 | 364.7 | 364.7 |
| 155° | 373.8 | 374.1 | 374.3 | 374.5 | 374.8 | 375.0 | 375.4 | 375.8 | 376.2 | 376.6 | 376.7 |
| 157.5° | 384.9 | 385.0 | 385.2 | 385.3 | 385.4 | 385.6 | 386.1 | 386.6 | 387.2 | 387.7 | 387.8 |
| 160° | 391.6 | 391.8 | 391.8 | 391.9 | 392.0 | 392.1 | 392.5 | 393.0 | 393.5 | 394.0 | 394.0 |
| 162.5° | 397.5 | 397.5 | 397.6 | 397.7 | 397.8 | 397.8 | 398.4 | 398.9 | 399.4 | 400.0 | 400.0 |
| 165° | 405.4 | 405.3 | 405.3 | 405.3 | 405.3 | 405.3 | 405.9 | 406.4 | 407.0 | 407.5 | 407.6 |
| 167.5° | 411.7 | 411.6 | 411.5 | 411.5 | 411.5 | 411.5 | 412.0 | 412.6 | 413.1 | 413.7 | 413.8 |
| 170° | 415.5 | 415.3 | 415.2 | 415.1 | 415.1 | 415.0 | 415.5 | 416.1 | 416.6 | 417.2 | 417.2 |
| 172.5° | 418.0 | 417.8 | 417.8 | 417.7 | 417.6 | 417.5 | 418.1 | 418.6 | 419.2 | 419.7 | 419.8 |
| 175° | 421.1 | 420.9 | 420.8 | 420.6 | 420.4 | 420.3 | 420.8 | 421.4 | 421.9 | 422.5 | 422.5 |
| 177.5° | 422.6 | 422.4 | 422.3 | 422.2 | 422.0 | 421.9 | 422.3 | 422.7 | 423.0 | 423.4 | 423.4 |
| 180° | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 |



TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 |
| 2.5° | 1931.4 | 1930.2 | 1930.2 | 1924.6 | 1930.2 | 1930.2 | 1931.4 | 1937.5 | 1939.4 | 1940.7 | 1938.2 |
| 5° | 1791.6 | 1789.3 | 1785.4 | 1789.3 | 1785.4 | 1789.3 | 1791.6 | 1802.4 | 1807.9 | 1813.3 | 1818.0 |
| 7.5° | 1653.4 | 1644.1 | 1642.7 | 1633.6 | 1642.7 | 1644.1 | 1653.4 | 1658.5 | 1669.3 | 1681.5 | 1692.7 |
| 10° | 1552.5 | 1546.3 | 1545.5 | 1530.8 | 1545.5 | 1546.3 | 1552.5 | 1565.6 | 1576.5 | 1591.1 | 1606.6 |
| 12.5° | 1475.7 | 1460.9 | 1463.8 | 1455.2 | 1463.8 | 1460.9 | 1475.7 | 1475.8 | 1488.5 | 1497.6 | 1521.9 |
| 15° | 1342.7 | 1342.7 | 1339.7 | 1326.5 | 1339.7 | 1342.7 | 1342.7 | 1363.6 | 1367.5 | 1382.2 | 1403.1 |
| 17.5° | 1247.3 | 1245.7 | 1238.3 | 1241.9 | 1238.3 | 1245.7 | 1247.3 | 1262.5 | 1265.2 | 1284.9 | 1302.0 |
| 20° | 1190.2 | 1185.7 | 1176.4 | 1176.4 | 1176.4 | 1185.7 | 1190.2 | 1198.8 | 1208.8 | 1220.4 | 1235.2 |
| 22.5° | 1136.4 | 1136.1 | 1126.2 | 1129.3 | 1126.2 | 1136.1 | 1136.4 | 1144.3 | 1153.8 | 1166.6 | 1178.8 |
| 25° | 1073.4 | 1067.2 | 1062.6 | 1064.9 | 1062.6 | 1067.2 | 1073.4 | 1074.2 | 1085.0 | 1093.6 | 1101.3 |
| 27.5° | 1013.7 | 1010.3 | 1010.0 | 1003.6 | 1010.0 | 1010.3 | 1013.7 | 1015.7 | 1021.9 | 1026.8 | 1034.1 |
| 30° | 979.0 | 971.3 | 972.8 | 969.0 | 972.8 | 971.3 | 979.0 | 979.8 | 982.9 | 985.9 | 994.5 |
| 32.5° | 939.4 | 936.5 | 935.0 | 931.8 | 935.0 | 936.5 | 939.4 | 940.8 | 947.0 | 950.1 | 956.7 |
| 35° | 885.3 | 886.2 | 882.2 | 883.8 | 882.2 | 886.2 | 885.3 | 886.9 | 887.7 | 890.8 | 897.0 |
| 37.5° | 838.2 | 840.6 | 838.8 | 839.2 | 838.8 | 840.6 | 838.2 | 838.9 | 839.7 | 840.2 | 842.0 |
| 40° | 807.2 | 807.2 | 807.2 | 809.5 | 807.2 | 807.2 | 807.2 | 804.9 | 805.7 | 804.9 | 804.9 |
| 42.5° | 777.5 | 776.3 | 775.0 | 774.9 | 775.0 | 776.3 | 777.5 | 772.0 | 774.7 | 772.0 | 770.8 |
| 45° | 726.7 | 729.0 | 729.8 | 725.9 | 729.8 | 729.0 | 726.7 | 725.2 | 722.9 | 722.1 | 721.2 |
| 47.5° | 680.8 | 681.1 | 680.8 | 684.2 | 680.8 | 681.1 | 680.8 | 678.7 | 675.2 | 673.8 | 670.0 |
| 50° | 648.5 | 647.0 | 648.5 | 647.0 | 648.5 | 647.0 | 648.5 | 644.7 | 642.4 | 638.4 | 635.4 |
| 52.5° | 614.5 | 614.8 | 613.9 | 613.6 | 613.9 | 614.8 | 614.5 | 609.4 | 608.3 | 606.9 | 602.0 |
| 55° | 561.1 | 562.6 | 561.9 | 561.9 | 561.9 | 562.6 | 561.1 | 558.0 | 557.2 | 552.6 | 548.0 |
| 57.5° | 505.8 | 507.3 | 508.3 | 504.9 | 508.3 | 507.3 | 505.8 | 505.3 | 504.9 | 500.0 | 495.0 |
| 60° | 467.5 | 471.3 | 470.5 | 469.0 | 470.5 | 471.3 | 467.5 | 468.2 | 465.9 | 462.8 | 459.7 |
| 62.5° | 432.1 | 433.5 | 433.4 | 433.1 | 433.4 | 433.5 | 432.1 | 428.6 | 427.5 | 424.4 | 421.3 |
| 65° | 377.7 | 379.2 | 376.9 | 379.2 | 376.9 | 379.2 | 377.7 | 375.4 | 369.9 | 368.4 | 365.3 |
| 67.5° | 319.0 | 319.5 | 321.1 | 322.2 | 321.1 | 319.5 | 319.0 | 319.9 | 316.4 | 313.5 | 312.9 |
| 70° | 282.5 | 281.8 | 284.1 | 286.4 | 284.1 | 281.8 | 282.5 | 280.9 | 278.6 | 276.3 | 273.2 |
| 72.5° | 244.1 | 245.8 | 245.0 | 246.7 | 245.0 | 245.8 | 244.1 | 244.4 | 242.1 | 239.1 | 236.0 |
| 75° | 188.0 | 190.4 | 189.7 | 192.0 | 189.7 | 190.4 | 188.0 | 189.7 | 188.0 | 185.0 | 181.9 |
| 77.5° | 135.9 | 136.2 | 135.9 | 137.1 | 135.9 | 136.2 | 135.9 | 137.1 | 135.4 | 136.5 | 133.0 |
| 80° | 103.7 | 102.2 | 100.6 | 103.7 | 100.6 | 102.2 | 103.7 | 103.7 | 101.4 | 103.7 | 101.4 |
| 82.5° | 72.1 | 73.0 | 71.5 | 71.5 | 71.5 | 73.0 | 72.1 | 74.0 | 72.9 | 74.0 | 71.7 |
| 85° | 33.3 | 32.5 | 31.0 | 31.0 | 31.0 | 32.5 | 33.3 | 33.3 | 35.6 | 34.0 | 34.0 |
| 87.5° | 8.6 | 8.0 | 8.0 | 7.4 | 8.0 | 8.0 | 8.6 | 8.6 | 8.6 | 9.8 | 9.9 |
| 90° | 11.9 | 12.0 | 12.0 | 12.1 | 12.0 | 12.0 | 11.9 | 11.8 | 11.8 | 12.0 | 12.2 |
| 92.5° | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.4 | 11.4 |
| 95° | 22.6 | 22.4 | 22.3 | 22.1 | 22.3 | 22.4 | 22.6 | 22.7 | 22.8 | 22.8 | 22.8 |
| 97.5° | 38.4 | 38.4 | 38.4 | 38.3 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 |
| 100° | 49.1 | 49.1 | 49.0 | 48.9 | 49.0 | 49.1 | 49.1 | 49.2 | 49.3 | 49.3 | 49.3 |
| 102.5° | 61.1 | 61.0 | 61.0 | 60.9 | 61.0 | 61.0 | 61.1 | 61.2 | 61.2 | 61.1 | 61.1 |
| 105° | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.0 | 78.8 |
| 107.5° | 97.6 | 97.3 | 96.8 | 96.4 | 96.8 | 97.3 | 97.6 | 98.0 | 98.1 | 98.1 | 98.0 |
| 110° | 110.6 | 110.4 | 110.2 | 109.9 | 110.2 | 110.4 | 110.6 | 110.9 | 111.0 | 111.0 | 111.0 |



TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 123.3 | 123.1 | 122.9 | 122.7 | 122.9 | 123.1 | 123.3 | 123.4 | 123.6 | 123.8 | 124.0 |
| 115° | 143.4 | 143.2 | 143.0 | 142.7 | 143.0 | 143.2 | 143.4 | 143.7 | 143.8 | 143.9 | 144.0 |
| 117.5° | 162.5 | 162.3 | 162.0 | 161.8 | 162.0 | 162.3 | 162.5 | 162.7 | 162.9 | 163.1 | 163.3 |
| 120° | 175.9 | 175.6 | 175.4 | 175.2 | 175.4 | 175.6 | 175.9 | 176.1 | 176.2 | 176.2 | 176.2 |
| 122.5° | 188.8 | 188.6 | 188.4 | 188.3 | 188.4 | 188.6 | 188.8 | 189.0 | 189.1 | 189.3 | 189.6 |
| 125° | 208.6 | 208.5 | 208.4 | 208.3 | 208.4 | 208.5 | 208.6 | 208.6 | 208.8 | 209.0 | 209.3 |
| 127.5° | 227.4 | 227.1 | 226.9 | 226.6 | 226.9 | 227.1 | 227.4 | 227.6 | 227.9 | 228.2 | 228.5 |
| 130° | 240.8 | 240.3 | 240.0 | 239.7 | 240.0 | 240.3 | 240.8 | 241.1 | 241.3 | 241.5 | 241.6 |
| 132.5° | 253.1 | 252.9 | 252.6 | 252.4 | 252.6 | 252.9 | 253.1 | 253.4 | 253.7 | 254.0 | 254.3 |
| 135° | 272.6 | 272.4 | 272.2 | 271.9 | 272.2 | 272.4 | 272.6 | 272.9 | 273.0 | 273.1 | 273.2 |
| 137.5° | 290.5 | 290.2 | 289.9 | 289.5 | 289.9 | 290.2 | 290.5 | 290.8 | 291.0 | 291.0 | 291.1 |
| 140° | 302.8 | 302.5 | 302.2 | 301.8 | 302.2 | 302.5 | 302.8 | 303.1 | 303.3 | 303.3 | 303.3 |
| 142.5° | 314.0 | 313.6 | 313.3 | 313.0 | 313.3 | 313.6 | 314.0 | 314.3 | 314.4 | 314.3 | 314.3 |
| 145° | 330.6 | 330.3 | 330.0 | 329.6 | 330.0 | 330.3 | 330.6 | 330.9 | 331.0 | 330.9 | 330.9 |
| 147.5° | 345.5 | 345.2 | 344.9 | 344.6 | 344.9 | 345.2 | 345.5 | 345.8 | 345.9 | 345.7 | 345.5 |
| 150° | 355.0 | 354.8 | 354.6 | 354.3 | 354.6 | 354.8 | 355.0 | 355.3 | 355.3 | 355.0 | 354.8 |
| 152.5° | 364.4 | 364.1 | 363.8 | 363.5 | 363.8 | 364.1 | 364.4 | 364.7 | 364.7 | 364.4 | 364.1 |
| 155° | 376.4 | 376.2 | 376.0 | 375.7 | 376.0 | 376.2 | 376.4 | 376.7 | 376.6 | 376.2 | 375.8 |
| 157.5° | 387.4 | 387.0 | 386.7 | 386.3 | 386.7 | 387.0 | 387.4 | 387.8 | 387.7 | 387.2 | 386.6 |
| 160° | 393.7 | 393.4 | 393.1 | 392.8 | 393.1 | 393.4 | 393.7 | 394.0 | 394.0 | 393.5 | 393.0 |
| 162.5° | 399.7 | 399.3 | 398.9 | 398.5 | 398.9 | 399.3 | 399.7 | 400.0 | 400.0 | 399.4 | 398.9 |
| 165° | 407.2 | 406.8 | 406.4 | 406.1 | 406.4 | 406.8 | 407.2 | 407.6 | 407.5 | 407.0 | 406.4 |
| 167.5° | 413.4 | 412.9 | 412.5 | 412.1 | 412.5 | 412.9 | 413.4 | 413.8 | 413.7 | 413.1 | 412.6 |
| 170° | 416.8 | 416.3 | 415.8 | 415.3 | 415.8 | 416.3 | 416.8 | 417.2 | 417.2 | 416.6 | 416.1 |
| 172.5° | 419.3 | 418.8 | 418.4 | 417.9 | 418.4 | 418.8 | 419.3 | 419.8 | 419.7 | 419.2 | 418.6 |
| 175° | 422.1 | 421.6 | 421.1 | 420.6 | 421.1 | 421.6 | 422.1 | 422.5 | 422.5 | 421.9 | 421.4 |
| 177.5° | 423.0 | 422.7 | 422.3 | 421.9 | 422.3 | 422.7 | 423.0 | 423.4 | 423.4 | 423.0 | 422.7 |
| 180° | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 |



TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 |
| 2.5° | 1935.1 | 1941.9 | 1952.5 | 1963.6 | 1970.3 | 1983.4 | 1987.1 | 1993.3 | 1998.8 | 2011.9 | 2025.5 |
| 5° | 1823.3 | 1834.2 | 1859.7 | 1873.6 | 1893.0 | 1915.4 | 1930.2 | 1945.6 | 1962.7 | 1992.1 | 2019.1 |
| 7.5° | 1703.5 | 1721.6 | 1753.3 | 1779.4 | 1807.0 | 1839.2 | 1862.3 | 1893.0 | 1918.3 | 1959.8 | 1999.4 |
| 10° | 1623.7 | 1649.2 | 1677.9 | 1708.8 | 1747.5 | 1781.5 | 1814.0 | 1852.7 | 1883.7 | 1933.2 | 1979.6 |
| 12.5° | 1551.9 | 1555.7 | 1596.7 | 1630.8 | 1683.7 | 1725.9 | 1763.3 | 1813.1 | 1843.4 | 1902.3 | 1951.2 |
| 15° | 1426.3 | 1449.6 | 1486.7 | 1513.8 | 1576.5 | 1629.8 | 1682.4 | 1734.3 | 1769.2 | 1841.9 | 1906.1 |
| 17.5° | 1320.6 | 1342.0 | 1380.1 | 1424.4 | 1469.5 | 1522.6 | 1590.7 | 1645.4 | 1692.7 | 1775.8 | 1851.8 |
| 20° | 1253.7 | 1280.0 | 1318.8 | 1364.4 | 1403.9 | 1461.9 | 1520.8 | 1583.5 | 1634.5 | 1728.2 | 1817.2 |
| 22.5° | 1196.8 | 1217.5 | 1248.8 | 1293.8 | 1337.0 | 1390.1 | 1454.5 | 1522.8 | 1576.3 | 1677.4 | 1767.6 |
| 25° | 1116.7 | 1133.8 | 1153.9 | 1191.0 | 1239.8 | 1297.9 | 1348.2 | 1423.2 | 1501.4 | 1595.8 | 1705.0 |
| 27.5° | 1044.6 | 1056.7 | 1074.5 | 1107.1 | 1144.9 | 1199.2 | 1255.2 | 1326.4 | 1404.9 | 1507.4 | 1622.6 |
| 30° | 1000.7 | 1008.5 | 1026.2 | 1053.3 | 1090.5 | 1133.0 | 1189.5 | 1257.6 | 1338.1 | 1441.8 | 1556.3 |
| 32.5° | 962.3 | 969.4 | 981.0 | 1006.8 | 1039.1 | 1075.4 | 1126.3 | 1194.5 | 1271.2 | 1373.1 | 1500.0 |
| 35° | 904.7 | 910.1 | 920.2 | 941.1 | 958.9 | 994.5 | 1037.0 | 1098.9 | 1170.9 | 1268.5 | 1400.0 |
| 37.5° | 847.3 | 854.7 | 860.9 | 869.7 | 892.6 | 916.0 | 953.0 | 1005.3 | 1075.9 | 1174.4 | 1299.7 |
| 40° | 809.5 | 815.7 | 825.0 | 828.9 | 847.5 | 868.3 | 898.5 | 946.4 | 1017.7 | 1107.4 | 1229.7 |
| 42.5° | 771.1 | 777.3 | 782.8 | 787.4 | 803.4 | 821.9 | 849.0 | 890.2 | 953.3 | 1040.6 | 1161.6 |
| 45° | 718.9 | 719.7 | 725.2 | 733.7 | 741.4 | 754.6 | 774.0 | 809.5 | 858.3 | 940.3 | 1050.2 |
| 47.5° | 666.0 | 666.9 | 667.9 | 671.6 | 680.1 | 692.1 | 704.9 | 733.9 | 777.5 | 842.9 | 949.9 |
| 50° | 630.8 | 629.1 | 630.8 | 633.8 | 639.2 | 649.3 | 664.0 | 684.9 | 720.5 | 781.6 | 879.9 |
| 52.5° | 596.7 | 596.4 | 595.4 | 596.7 | 600.9 | 607.8 | 618.2 | 636.0 | 667.9 | 724.1 | 810.6 |
| 55° | 544.8 | 541.0 | 541.7 | 538.7 | 545.6 | 547.1 | 554.9 | 569.6 | 597.4 | 636.1 | 717.4 |
| 57.5° | 489.6 | 486.4 | 482.9 | 482.0 | 481.4 | 485.5 | 491.7 | 503.3 | 524.7 | 558.7 | 624.5 |
| 60° | 454.2 | 450.4 | 445.8 | 444.2 | 444.2 | 446.6 | 449.7 | 458.2 | 478.3 | 508.5 | 562.6 |
| 62.5° | 418.4 | 413.8 | 411.1 | 407.1 | 405.9 | 408.2 | 411.2 | 417.3 | 431.8 | 460.2 | 507.0 |
| 65° | 362.9 | 357.6 | 353.7 | 352.9 | 351.3 | 349.0 | 350.6 | 356.8 | 368.4 | 390.8 | 428.0 |
| 67.5° | 307.4 | 302.3 | 301.3 | 296.9 | 294.7 | 295.0 | 294.7 | 299.9 | 306.9 | 326.3 | 354.0 |
| 70° | 270.8 | 267.0 | 265.5 | 261.6 | 260.0 | 258.5 | 256.9 | 261.6 | 268.5 | 284.8 | 308.8 |
| 72.5° | 233.7 | 230.5 | 227.0 | 223.8 | 224.1 | 222.6 | 222.3 | 225.1 | 230.8 | 245.8 | 264.2 |
| 75° | 180.4 | 181.1 | 177.2 | 173.4 | 172.6 | 171.1 | 171.1 | 173.4 | 175.7 | 187.3 | 202.0 |
| 77.5° | 130.8 | 130.2 | 126.9 | 125.7 | 124.9 | 123.2 | 124.9 | 126.4 | 127.6 | 135.4 | 146.2 |
| 80° | 99.9 | 99.9 | 95.9 | 95.9 | 95.2 | 92.9 | 95.2 | 93.6 | 96.7 | 104.5 | 112.2 |
| 82.5° | 71.4 | 70.1 | 70.0 | 68.8 | 68.6 | 66.9 | 68.0 | 69.5 | 70.7 | 76.0 | 80.7 |
| 85° | 34.8 | 34.8 | 34.0 | 33.3 | 34.0 | 33.3 | 34.0 | 34.8 | 35.6 | 38.0 | 41.8 |
| 87.5° | 9.9 | 10.5 | 10.8 | 11.1 | 10.7 | 11.0 | 11.3 | 11.8 | 12.8 | 13.2 | 13.7 |
| 90° | 12.3 | 12.5 | 10.7 | 9.0 | 7.3 | 5.6 | 4.1 | 3.2 | 2.2 | 1.3 | 0.4 |
| 92.5° | 11.4 | 11.3 | 10.9 | 10.5 | 10.1 | 9.7 | 9.2 | 8.5 | 7.8 | 7.1 | 6.4 |
| 95° | 22.8 | 22.8 | 22.7 | 22.5 | 22.3 | 22.2 | 21.7 | 20.9 | 20.1 | 19.4 | 18.6 |
| 97.5° | 38.4 | 38.4 | 38.1 | 37.8 | 37.5 | 37.2 | 36.7 | 36.0 | 35.2 | 34.6 | 33.9 |
| 100° | 49.3 | 49.3 | 49.0 | 48.8 | 48.5 | 48.3 | 47.9 | 47.3 | 46.6 | 45.9 | 45.3 |
| 102.5° | 61.0 | 60.9 | 60.6 | 60.3 | 60.0 | 59.8 | 59.3 | 58.8 | 58.3 | 57.8 | 57.3 |
| 105° | 78.7 | 78.5 | 78.4 | 78.2 | 78.1 | 77.9 | 77.7 | 77.5 | 77.2 | 77.0 | 76.7 |
| 107.5° | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.7 | 97.4 | 96.9 | 96.6 | 96.2 |
| 110° | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 | 110.7 | 110.3 | 109.8 | 109.3 | 108.9 |



TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 124.2 | 124.4 | 124.4 | 124.5 | 124.5 | 124.6 | 124.4 | 123.9 | 123.5 | 123.0 | 122.5 |
| 115° | 144.1 | 144.1 | 144.3 | 144.4 | 144.6 | 144.8 | 144.6 | 144.1 | 143.7 | 143.2 | 142.7 |
| 117.5° | 163.5 | 163.7 | 164.1 | 164.6 | 165.0 | 165.5 | 165.4 | 164.7 | 164.1 | 163.5 | 162.8 |
| 120° | 176.2 | 176.2 | 176.9 | 177.5 | 178.1 | 178.7 | 178.7 | 178.1 | 177.5 | 176.9 | 176.2 |
| 122.5° | 189.8 | 190.0 | 190.4 | 190.9 | 191.3 | 191.8 | 191.6 | 190.8 | 190.1 | 189.2 | 188.5 |
| 125° | 209.5 | 209.7 | 210.1 | 210.3 | 210.5 | 210.8 | 210.5 | 209.7 | 209.0 | 208.3 | 207.6 |
| 127.5° | 228.7 | 229.0 | 229.3 | 229.6 | 229.9 | 230.1 | 229.8 | 228.9 | 228.1 | 227.2 | 226.3 |
| 130° | 241.8 | 241.9 | 242.1 | 242.3 | 242.4 | 242.6 | 242.1 | 241.1 | 240.0 | 239.0 | 238.0 |
| 132.5° | 254.7 | 255.0 | 255.0 | 255.0 | 254.9 | 254.9 | 254.5 | 253.6 | 252.8 | 252.0 | 251.2 |
| 135° | 273.2 | 273.3 | 273.2 | 273.0 | 272.9 | 272.7 | 272.2 | 271.2 | 270.4 | 269.5 | 268.6 |
| 137.5° | 291.2 | 291.2 | 291.0 | 290.8 | 290.6 | 290.4 | 290.0 | 289.3 | 288.5 | 287.8 | 287.1 |
| 140° | 303.3 | 303.3 | 302.9 | 302.5 | 302.1 | 301.6 | 301.1 | 300.4 | 299.7 | 299.0 | 298.3 |
| 142.5° | 314.2 | 314.1 | 313.9 | 313.6 | 313.3 | 313.1 | 312.6 | 311.8 | 311.1 | 310.4 | 309.7 |
| 145° | 330.8 | 330.7 | 330.2 | 329.8 | 329.3 | 328.8 | 328.3 | 327.8 | 327.2 | 326.7 | 326.1 |
| 147.5° | 345.4 | 345.2 | 344.9 | 344.6 | 344.2 | 343.9 | 343.4 | 342.7 | 342.0 | 341.4 | 340.7 |
| 150° | 354.6 | 354.3 | 354.0 | 353.7 | 353.4 | 353.0 | 352.6 | 352.1 | 351.6 | 351.2 | 350.7 |
| 152.5° | 363.8 | 363.5 | 363.0 | 362.6 | 362.2 | 361.9 | 361.4 | 361.0 | 360.5 | 360.0 | 359.6 |
| 155° | 375.4 | 375.0 | 374.8 | 374.5 | 374.3 | 374.1 | 373.8 | 373.5 | 373.3 | 373.0 | 372.8 |
| 157.5° | 386.1 | 385.6 | 385.4 | 385.3 | 385.2 | 385.0 | 384.9 | 384.7 | 384.5 | 384.4 | 384.2 |
| 160° | 392.5 | 392.1 | 392.0 | 391.9 | 391.8 | 391.8 | 391.6 | 391.5 | 391.3 | 391.2 | 391.0 |
| 162.5° | 398.4 | 397.8 | 397.8 | 397.7 | 397.6 | 397.5 | 397.5 | 397.4 | 397.4 | 397.4 | 397.3 |
| 165° | 405.9 | 405.3 | 405.3 | 405.3 | 405.3 | 405.3 | 405.4 | 405.5 | 405.5 | 405.6 | 405.7 |
| 167.5° | 412.0 | 411.5 | 411.5 | 411.5 | 411.5 | 411.6 | 411.7 | 411.9 | 412.2 | 412.4 | 412.6 |
| 170° | 415.5 | 415.0 | 415.1 | 415.1 | 415.2 | 415.3 | 415.5 | 415.7 | 415.9 | 416.2 | 416.4 |
| 172.5° | 418.1 | 417.5 | 417.6 | 417.7 | 417.8 | 417.8 | 418.0 | 418.2 | 418.5 | 418.7 | 418.9 |
| 175° | 420.8 | 420.3 | 420.4 | 420.6 | 420.8 | 420.9 | 421.1 | 421.3 | 421.6 | 421.8 | 422.1 |
| 177.5° | 422.3 | 421.9 | 422.0 | 422.2 | 422.3 | 422.4 | 422.6 | 422.8 | 422.9 | 423.1 | 423.3 |
| 180° | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 |



TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 |
| 2.5° | 2024.3 | 2027.3 | 2037.2 | 2047.2 | 2058.3 | 2061.4 | 2066.4 | 2062.0 | 2060.7 | 2072.5 | 2081.2 |
| 5° | 2029.9 | 2043.9 | 2071.0 | 2095.8 | 2116.7 | 2131.3 | 2146.9 | 2153.0 | 2164.6 | 2180.9 | 2201.0 |
| 7.5° | 2023.5 | 2050.5 | 2093.1 | 2129.2 | 2168.5 | 2196.9 | 2219.0 | 2237.9 | 2260.8 | 2291.6 | 2325.1 |
| 10° | 2016.0 | 2052.4 | 2104.3 | 2148.4 | 2196.4 | 2232.7 | 2262.9 | 2292.3 | 2326.4 | 2368.9 | 2413.1 |
| 12.5° | 2002.5 | 2045.6 | 2110.4 | 2162.6 | 2224.2 | 2260.0 | 2300.7 | 2364.2 | 2400.7 | 2459.9 | 2522.0 |
| 15° | 1975.0 | 2023.0 | 2113.5 | 2177.8 | 2247.5 | 2315.5 | 2390.7 | 2450.9 | 2511.3 | 2546.2 | 2633.6 |
| 17.5° | 1934.3 | 2004.8 | 2105.1 | 2180.0 | 2268.5 | 2375.7 | 2460.1 | 2528.5 | 2598.2 | 2654.6 | 2698.5 |
| 20° | 1901.5 | 1978.1 | 2092.6 | 2182.4 | 2287.6 | 2403.0 | 2499.7 | 2569.4 | 2629.8 | 2677.0 | 2704.0 |
| 22.5° | 1860.0 | 1956.4 | 2067.9 | 2173.1 | 2307.5 | 2421.6 | 2523.2 | 2578.1 | 2628.5 | 2651.6 | 2661.9 |
| 25° | 1794.7 | 1910.8 | 2036.9 | 2165.5 | 2317.1 | 2437.8 | 2530.7 | 2563.9 | 2578.7 | 2556.3 | 2519.1 |
| 27.5° | 1724.2 | 1853.7 | 2001.1 | 2150.8 | 2311.2 | 2427.3 | 2493.9 | 2488.6 | 2463.7 | 2391.1 | 2333.0 |
| 30° | 1671.6 | 1814.0 | 1972.7 | 2136.0 | 2296.9 | 2409.9 | 2448.6 | 2409.9 | 2353.5 | 2272.2 | 2189.4 |
| 32.5° | 1616.6 | 1763.9 | 1942.4 | 2115.0 | 2271.0 | 2370.4 | 2378.7 | 2312.2 | 2224.7 | 2132.3 | 2029.0 |
| 35° | 1533.1 | 1692.5 | 1885.2 | 2067.9 | 2215.7 | 2278.4 | 2241.3 | 2123.6 | 2019.9 | 1893.8 | 1752.9 |
| 37.5° | 1438.9 | 1614.9 | 1808.2 | 1999.0 | 2132.9 | 2149.3 | 2057.1 | 1933.2 | 1787.0 | 1638.7 | 1472.9 |
| 40° | 1368.3 | 1554.8 | 1753.7 | 1946.4 | 2064.8 | 2047.8 | 1930.2 | 1793.9 | 1619.8 | 1438.7 | 1284.6 |
| 42.5° | 1305.1 | 1491.7 | 1694.3 | 1883.2 | 1978.1 | 1931.4 | 1793.9 | 1626.8 | 1439.7 | 1269.1 | 1128.0 |
| 45° | 1195.7 | 1387.7 | 1595.1 | 1777.7 | 1831.9 | 1747.5 | 1565.6 | 1379.9 | 1195.7 | 1053.3 | 941.9 |
| 47.5° | 1089.5 | 1279.3 | 1484.7 | 1645.2 | 1664.4 | 1551.0 | 1352.2 | 1161.0 | 1002.7 | 886.8 | 808.1 |
| 50° | 1011.5 | 1201.8 | 1405.4 | 1548.6 | 1542.4 | 1405.4 | 1201.1 | 1019.3 | 886.9 | 793.2 | 740.6 |
| 52.5° | 941.5 | 1121.4 | 1316.9 | 1447.0 | 1414.2 | 1264.9 | 1069.9 | 908.4 | 799.6 | 726.4 | 678.7 |
| 55° | 832.7 | 999.2 | 1184.9 | 1289.3 | 1229.0 | 1063.4 | 898.5 | 768.5 | 688.0 | 633.1 | 595.9 |
| 57.5° | 724.7 | 880.7 | 1039.7 | 1104.1 | 1037.3 | 884.4 | 747.0 | 652.7 | 592.2 | 551.5 | 527.4 |
| 60° | 657.8 | 794.1 | 935.6 | 991.4 | 911.7 | 775.5 | 667.1 | 582.8 | 534.0 | 500.7 | 479.1 |
| 62.5° | 591.0 | 713.0 | 846.5 | 876.9 | 804.0 | 688.8 | 592.8 | 522.7 | 482.6 | 453.0 | 432.6 |
| 65° | 500.0 | 599.8 | 701.1 | 721.2 | 654.0 | 564.9 | 489.1 | 443.4 | 407.9 | 386.2 | 369.9 |
| 67.5° | 410.0 | 490.2 | 562.0 | 578.2 | 519.3 | 457.6 | 402.7 | 362.9 | 338.8 | 320.8 | 307.1 |
| 70° | 356.8 | 420.2 | 479.1 | 492.2 | 445.0 | 390.0 | 348.3 | 316.5 | 294.9 | 279.4 | 266.2 |
| 72.5° | 300.4 | 353.4 | 402.2 | 411.1 | 372.5 | 330.6 | 296.3 | 271.4 | 252.2 | 242.3 | 229.7 |
| 75° | 229.8 | 260.8 | 298.7 | 301.0 | 275.5 | 249.9 | 223.7 | 207.4 | 197.3 | 185.0 | 178.7 |
| 77.5° | 162.2 | 186.5 | 208.1 | 212.4 | 197.2 | 179.9 | 165.1 | 152.3 | 143.8 | 138.0 | 132.3 |
| 80° | 123.8 | 143.2 | 152.5 | 157.8 | 147.0 | 134.6 | 126.1 | 117.6 | 112.2 | 108.4 | 104.5 |
| 82.5° | 88.6 | 100.5 | 109.2 | 113.3 | 107.4 | 100.0 | 91.5 | 86.6 | 82.5 | 79.3 | 77.9 |
| 85° | 44.8 | 50.3 | 55.7 | 57.3 | 55.7 | 52.6 | 48.0 | 48.0 | 45.6 | 44.8 | 44.8 |
| 87.5° | 15.8 | 18.4 | 18.6 | 20.6 | 19.7 | 20.0 | 20.4 | 20.1 | 19.8 | 19.2 | 18.6 |
| 90° | 1.3 | 2.2 | 3.2 | 4.1 | 5.6 | 7.3 | 9.0 | 10.7 | 12.5 | 12.3 | 12.2 |
| 92.5° | 7.1 | 7.8 | 8.5 | 9.2 | 9.7 | 10.1 | 10.5 | 10.9 | 11.3 | 11.4 | 11.4 |
| 95° | 19.4 | 20.1 | 20.9 | 21.7 | 22.2 | 22.3 | 22.5 | 22.7 | 22.8 | 22.8 | 22.8 |
| 97.5° | 34.6 | 35.2 | 36.0 | 36.7 | 37.2 | 37.5 | 37.8 | 38.1 | 38.4 | 38.4 | 38.4 |
| 100° | 45.9 | 46.6 | 47.3 | 47.9 | 48.3 | 48.5 | 48.8 | 49.0 | 49.3 | 49.3 | 49.3 |
| 102.5° | 57.8 | 58.3 | 58.8 | 59.3 | 59.8 | 60.0 | 60.3 | 60.6 | 60.9 | 61.0 | 61.1 |
| 105° | 77.0 | 77.2 | 77.5 | 77.7 | 77.9 | 78.1 | 78.2 | 78.4 | 78.5 | 78.7 | 78.8 |
| 107.5° | 96.6 | 96.9 | 97.4 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 |
| 110° | 109.3 | 109.8 | 110.3 | 110.7 | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 | 111.0 |



TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 123.0 | 123.5 | 123.9 | 124.4 | 124.6 | 124.5 | 124.5 | 124.4 | 124.4 | 124.2 | 124.0 |
| 115° | 143.2 | 143.7 | 144.1 | 144.6 | 144.8 | 144.6 | 144.4 | 144.3 | 144.1 | 144.1 | 144.0 |
| 117.5° | 163.5 | 164.1 | 164.7 | 165.4 | 165.5 | 165.0 | 164.6 | 164.1 | 163.7 | 163.5 | 163.3 |
| 120° | 176.9 | 177.5 | 178.1 | 178.7 | 178.7 | 178.1 | 177.5 | 176.9 | 176.2 | 176.2 | 176.2 |
| 122.5° | 189.2 | 190.1 | 190.8 | 191.6 | 191.8 | 191.3 | 190.9 | 190.4 | 190.0 | 189.8 | 189.6 |
| 125° | 208.3 | 209.0 | 209.7 | 210.5 | 210.8 | 210.5 | 210.3 | 210.1 | 209.7 | 209.5 | 209.3 |
| 127.5° | 227.2 | 228.1 | 228.9 | 229.8 | 230.1 | 229.9 | 229.6 | 229.3 | 229.0 | 228.7 | 228.5 |
| 130° | 239.0 | 240.0 | 241.1 | 242.1 | 242.6 | 242.4 | 242.3 | 242.1 | 241.9 | 241.8 | 241.6 |
| 132.5° | 252.0 | 252.8 | 253.6 | 254.5 | 254.9 | 254.9 | 255.0 | 255.0 | 255.0 | 254.7 | 254.3 |
| 135° | 269.5 | 270.4 | 271.2 | 272.2 | 272.7 | 272.9 | 273.0 | 273.2 | 273.3 | 273.2 | 273.2 |
| 137.5° | 287.8 | 288.5 | 289.3 | 290.0 | 290.4 | 290.6 | 290.8 | 291.0 | 291.2 | 291.2 | 291.1 |
| 140° | 299.0 | 299.7 | 300.4 | 301.1 | 301.6 | 302.1 | 302.5 | 302.9 | 303.3 | 303.3 | 303.3 |
| 142.5° | 310.4 | 311.1 | 311.8 | 312.6 | 313.1 | 313.3 | 313.6 | 313.9 | 314.1 | 314.2 | 314.3 |
| 145° | 326.7 | 327.2 | 327.8 | 328.3 | 328.8 | 329.3 | 329.8 | 330.2 | 330.7 | 330.8 | 330.9 |
| 147.5° | 341.4 | 342.0 | 342.7 | 343.4 | 343.9 | 344.2 | 344.6 | 344.9 | 345.2 | 345.4 | 345.5 |
| 150° | 351.2 | 351.6 | 352.1 | 352.6 | 353.0 | 353.4 | 353.7 | 354.0 | 354.3 | 354.6 | 354.8 |
| 152.5° | 360.0 | 360.5 | 361.0 | 361.4 | 361.9 | 362.2 | 362.6 | 363.0 | 363.5 | 363.8 | 364.1 |
| 155° | 373.0 | 373.3 | 373.5 | 373.8 | 374.1 | 374.3 | 374.5 | 374.8 | 375.0 | 375.4 | 375.8 |
| 157.5° | 384.4 | 384.5 | 384.7 | 384.9 | 385.0 | 385.2 | 385.3 | 385.4 | 385.6 | 386.1 | 386.6 |
| 160° | 391.2 | 391.3 | 391.5 | 391.6 | 391.8 | 391.8 | 391.9 | 392.0 | 392.1 | 392.5 | 393.0 |
| 162.5° | 397.4 | 397.4 | 397.4 | 397.5 | 397.5 | 397.6 | 397.7 | 397.8 | 397.8 | 398.4 | 398.9 |
| 165° | 405.6 | 405.5 | 405.5 | 405.4 | 405.3 | 405.3 | 405.3 | 405.3 | 405.3 | 405.9 | 406.4 |
| 167.5° | 412.4 | 412.2 | 411.9 | 411.7 | 411.6 | 411.5 | 411.5 | 411.5 | 411.5 | 412.0 | 412.6 |
| 170° | 416.2 | 415.9 | 415.7 | 415.5 | 415.3 | 415.2 | 415.1 | 415.1 | 415.0 | 415.5 | 416.1 |
| 172.5° | 418.7 | 418.5 | 418.2 | 418.0 | 417.8 | 417.8 | 417.7 | 417.6 | 417.5 | 418.1 | 418.6 |
| 175° | 421.8 | 421.6 | 421.3 | 421.1 | 420.9 | 420.8 | 420.6 | 420.4 | 420.3 | 420.8 | 421.4 |
| 177.5° | 423.1 | 422.9 | 422.8 | 422.6 | 422.4 | 422.3 | 422.2 | 422.0 | 421.9 | 422.3 | 422.7 |
| 180° | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 |



TEST NUMBER: P331421-840
 CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 | 2013.7 |
| 2.5° | 2088.6 | 2097.3 | 2097.3 | 2098.5 | 2108.4 | 2107.2 | 2106.6 |
| 5° | 2222.7 | 2235.8 | 2237.4 | 2251.3 | 2260.6 | 2257.5 | 2249.0 |
| 7.5° | 2349.1 | 2373.6 | 2392.2 | 2402.6 | 2414.8 | 2422.4 | 2418.9 |
| 10° | 2449.4 | 2485.1 | 2506.7 | 2521.4 | 2539.2 | 2552.3 | 2547.7 |
| 12.5° | 2540.4 | 2582.8 | 2612.6 | 2637.8 | 2640.1 | 2657.0 | 2645.5 |
| 15° | 2682.4 | 2727.2 | 2731.9 | 2750.5 | 2765.2 | 2763.6 | 2764.4 |
| 17.5° | 2729.3 | 2743.7 | 2746.6 | 2747.0 | 2747.2 | 2741.8 | 2730.1 |
| 20° | 2712.6 | 2707.1 | 2694.0 | 2683.9 | 2666.1 | 2663.8 | 2648.4 |
| 22.5° | 2633.3 | 2616.2 | 2583.1 | 2561.3 | 2533.7 | 2526.4 | 2522.0 |
| 25° | 2477.3 | 2439.3 | 2386.7 | 2336.4 | 2322.5 | 2295.4 | 2303.2 |
| 27.5° | 2263.2 | 2204.1 | 2147.2 | 2106.3 | 2069.3 | 2028.7 | 2040.3 |
| 30° | 2112.7 | 2046.2 | 1965.7 | 1903.8 | 1864.3 | 1825.6 | 1818.7 |
| 32.5° | 1933.2 | 1835.7 | 1746.0 | 1691.4 | 1630.9 | 1606.5 | 1579.7 |
| 35° | 1623.7 | 1528.4 | 1439.5 | 1362.8 | 1318.8 | 1284.6 | 1253.7 |
| 37.5° | 1345.2 | 1235.7 | 1163.8 | 1101.8 | 1069.9 | 1050.4 | 1055.3 |
| 40° | 1172.5 | 1076.5 | 1023.9 | 976.6 | 947.3 | 933.3 | 936.4 |
| 42.5° | 1032.6 | 960.7 | 917.4 | 885.0 | 864.3 | 856.6 | 854.7 |
| 45° | 873.7 | 833.5 | 797.9 | 779.3 | 769.3 | 760.7 | 755.4 |
| 47.5° | 765.4 | 732.6 | 712.5 | 701.5 | 692.7 | 684.0 | 683.8 |
| 50° | 700.3 | 678.7 | 664.8 | 653.2 | 646.2 | 640.1 | 645.4 |
| 52.5° | 650.9 | 631.1 | 617.1 | 606.7 | 604.1 | 598.5 | 598.3 |
| 55° | 577.3 | 561.9 | 551.8 | 542.5 | 537.9 | 534.7 | 530.9 |
| 57.5° | 510.5 | 495.7 | 486.5 | 480.6 | 471.8 | 468.7 | 467.5 |
| 60° | 462.8 | 451.2 | 441.9 | 434.1 | 430.3 | 424.1 | 424.1 |
| 62.5° | 418.8 | 407.3 | 398.6 | 392.6 | 386.4 | 383.8 | 384.5 |
| 65° | 355.3 | 346.0 | 337.4 | 331.2 | 329.7 | 325.1 | 326.6 |
| 67.5° | 296.7 | 290.5 | 281.6 | 278.1 | 275.2 | 272.8 | 270.8 |
| 70° | 257.7 | 251.6 | 246.9 | 242.3 | 239.9 | 239.9 | 239.9 |
| 72.5° | 224.9 | 217.4 | 214.7 | 208.8 | 210.2 | 207.7 | 205.2 |
| 75° | 174.1 | 169.5 | 167.1 | 164.8 | 161.0 | 161.0 | 161.0 |
| 77.5° | 128.2 | 126.7 | 124.0 | 121.5 | 120.6 | 119.8 | 120.1 |
| 80° | 99.1 | 98.3 | 96.7 | 96.7 | 95.2 | 94.4 | 92.9 |
| 82.5° | 76.1 | 74.1 | 73.2 | 72.6 | 72.3 | 72.1 | 71.8 |
| 85° | 43.3 | 41.8 | 41.8 | 42.5 | 41.0 | 41.0 | 41.8 |
| 87.5° | 19.1 | 19.1 | 18.5 | 18.5 | 19.1 | 18.5 | 18.5 |
| 90° | 12.0 | 11.8 | 11.8 | 11.9 | 12.0 | 12.0 | 12.1 |
| 92.5° | 11.4 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| 95° | 22.8 | 22.8 | 22.7 | 22.6 | 22.4 | 22.3 | 22.1 |
| 97.5° | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.3 |
| 100° | 49.3 | 49.3 | 49.2 | 49.1 | 49.1 | 49.0 | 48.9 |
| 102.5° | 61.1 | 61.2 | 61.2 | 61.1 | 61.0 | 61.0 | 60.9 |
| 105° | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| 107.5° | 98.1 | 98.1 | 98.0 | 97.6 | 97.3 | 96.8 | 96.4 |
| 110° | 111.0 | 111.0 | 110.9 | 110.6 | 110.4 | 110.2 | 109.9 |



TEST NUMBER: P331421-840

CATALOG NUMBER: SA2XXDIP-C1005D330U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 123.8 | 123.6 | 123.4 | 123.3 | 123.1 | 122.9 | 122.7 |
| 115° | 143.9 | 143.8 | 143.7 | 143.4 | 143.2 | 143.0 | 142.7 |
| 117.5° | 163.1 | 162.9 | 162.7 | 162.5 | 162.3 | 162.0 | 161.8 |
| 120° | 176.2 | 176.2 | 176.1 | 175.9 | 175.6 | 175.4 | 175.2 |
| 122.5° | 189.3 | 189.1 | 189.0 | 188.8 | 188.6 | 188.4 | 188.3 |
| 125° | 209.0 | 208.8 | 208.6 | 208.6 | 208.5 | 208.4 | 208.3 |
| 127.5° | 228.2 | 227.9 | 227.6 | 227.4 | 227.1 | 226.9 | 226.6 |
| 130° | 241.5 | 241.3 | 241.1 | 240.8 | 240.3 | 240.0 | 239.7 |
| 132.5° | 254.0 | 253.7 | 253.4 | 253.1 | 252.9 | 252.6 | 252.4 |
| 135° | 273.1 | 273.0 | 272.9 | 272.6 | 272.4 | 272.2 | 271.9 |
| 137.5° | 291.0 | 291.0 | 290.8 | 290.5 | 290.2 | 289.9 | 289.5 |
| 140° | 303.3 | 303.3 | 303.1 | 302.8 | 302.5 | 302.2 | 301.8 |
| 142.5° | 314.3 | 314.4 | 314.3 | 314.0 | 313.6 | 313.3 | 313.0 |
| 145° | 330.9 | 331.0 | 330.9 | 330.6 | 330.3 | 330.0 | 329.6 |
| 147.5° | 345.7 | 345.9 | 345.8 | 345.5 | 345.2 | 344.9 | 344.6 |
| 150° | 355.0 | 355.3 | 355.3 | 355.0 | 354.8 | 354.6 | 354.3 |
| 152.5° | 364.4 | 364.7 | 364.7 | 364.4 | 364.1 | 363.8 | 363.5 |
| 155° | 376.2 | 376.6 | 376.7 | 376.4 | 376.2 | 376.0 | 375.7 |
| 157.5° | 387.2 | 387.7 | 387.8 | 387.4 | 387.0 | 386.7 | 386.3 |
| 160° | 393.5 | 394.0 | 394.0 | 393.7 | 393.4 | 393.1 | 392.8 |
| 162.5° | 399.4 | 400.0 | 400.0 | 399.7 | 399.3 | 398.9 | 398.5 |
| 165° | 407.0 | 407.5 | 407.6 | 407.2 | 406.8 | 406.4 | 406.1 |
| 167.5° | 413.1 | 413.7 | 413.8 | 413.4 | 412.9 | 412.5 | 412.1 |
| 170° | 416.6 | 417.2 | 417.2 | 416.8 | 416.3 | 415.8 | 415.3 |
| 172.5° | 419.2 | 419.7 | 419.8 | 419.3 | 418.8 | 418.4 | 417.9 |
| 175° | 421.9 | 422.5 | 422.5 | 422.1 | 421.6 | 421.1 | 420.6 |
| 177.5° | 423.0 | 423.4 | 423.4 | 423.0 | 422.7 | 422.3 | 421.9 |
| 180° | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 | 422.8 |

(END OF REPORT)