

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: P331370-935

Luminaire Tested: **SA2XXDIP-C675D1080U935-4F0-1E-UDD-D1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331370-935
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-C675D1080U935-4F0-1E-UDD-D1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1080 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5632.4 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

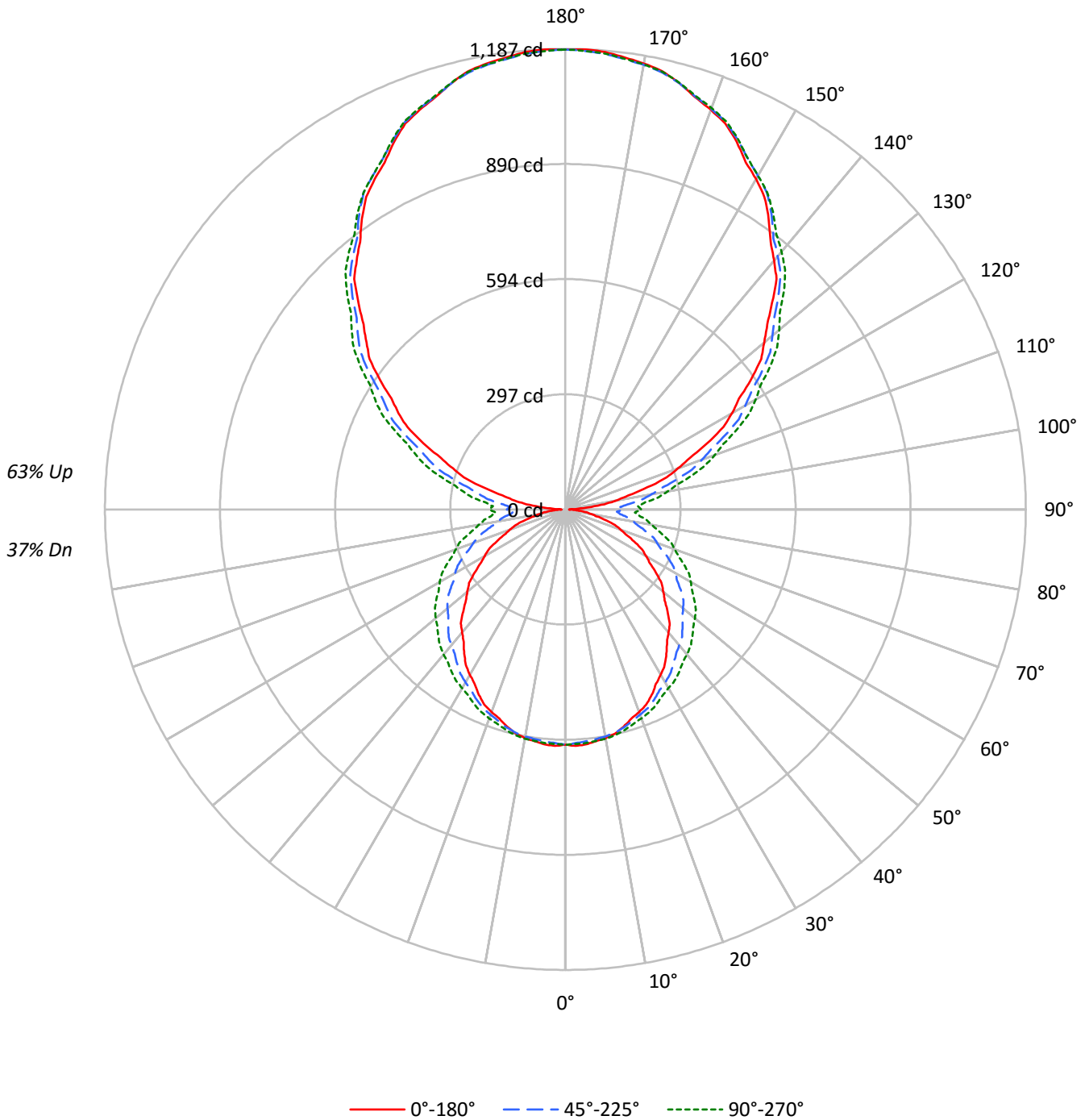
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331370-935

CATALOG NUMBER: SA2XXDIP-C675D1080U935-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331370-935

CATALOG NUMBER: SA2XXDIP-C675D1080U935-4F0-1E-UDD-D1

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 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 59 | 59 | 59 | 44 | 44 | 44 | 37 |
| 1 | 94 | 89 | 85 | 81 | 85 | 81 | 77 | 74 | 65 | 62 | 60 | 50 | 49 | 47 | 37 | 36 | 35 | 29 |
| 2 | 85 | 77 | 71 | 65 | 76 | 70 | 64 | 59 | 56 | 52 | 49 | 43 | 41 | 38 | 32 | 30 | 28 | 23 |
| 3 | 77 | 67 | 60 | 54 | 69 | 61 | 54 | 49 | 49 | 44 | 40 | 38 | 35 | 32 | 28 | 26 | 24 | 19 |
| 4 | 70 | 59 | 51 | 45 | 63 | 54 | 47 | 41 | 43 | 38 | 34 | 34 | 30 | 27 | 25 | 22 | 20 | 16 |
| 5 | 64 | 53 | 44 | 38 | 58 | 48 | 40 | 35 | 39 | 33 | 29 | 30 | 26 | 23 | 22 | 19 | 17 | 14 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 35 | 30 | 35 | 29 | 25 | 27 | 23 | 20 | 20 | 17 | 15 | 12 |
| 7 | 55 | 42 | 34 | 29 | 49 | 38 | 31 | 26 | 31 | 26 | 22 | 24 | 21 | 18 | 18 | 15 | 13 | 10 |
| 8 | 50 | 38 | 30 | 25 | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 16 | 17 | 14 | 12 | 9 |
| 9 | 47 | 35 | 27 | 22 | 42 | 32 | 25 | 20 | 26 | 21 | 17 | 20 | 17 | 14 | 15 | 13 | 11 | 8 |
| 10 | 44 | 32 | 24 | 20 | 39 | 29 | 23 | 18 | 24 | 19 | 15 | 19 | 15 | 12 | 14 | 11 | 10 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9792 | 9792 | 9792 |
| 5° | 9839 | 9426 | 9390 |
| 10° | 9778 | 9148 | 9044 |
| 15° | 9643 | 8853 | 8681 |
| 20° | 9473 | 8536 | 8331 |
| 25° | 9305 | 8231 | 8014 |
| 30° | 9067 | 7919 | 7694 |
| 35° | 8828 | 7615 | 7468 |
| 40° | 8576 | 7358 | 7243 |
| 45° | 8334 | 7127 | 7051 |
| 50° | 8078 | 6920 | 6861 |
| 55° | 7810 | 6696 | 6668 |
| 60° | 7480 | 6465 | 6465 |
| 65° | 7135 | 6192 | 6222 |
| 70° | 6751 | 5899 | 5960 |
| 75° | 6257 | 5612 | 5720 |
| 80° | 5488 | 5319 | 5476 |
| 85° | 4743 | 5064 | 5286 |



TEST NUMBER: P331370-935

CATALOG NUMBER: SA2XXDIP-C675D1080U935-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 57.5 | 1.0 |
| 10°-20° | 164.8 | 2.9 |
| 20°-30° | 249.7 | 4.4 |
| 30°-40° | 304.2 | 5.4 |
| 40°-50° | 327.2 | 5.8 |
| 50°-60° | 317.8 | 5.6 |
| 60°-70° | 277.5 | 4.9 |
| 70°-80° | 213.6 | 3.8 |
| 80°-90° | 148.1 | 2.6 |
| 90°-100° | 173.9 | 3.1 |
| 100°-110° | 305.4 | 5.4 |
| 110°-120° | 446.3 | 7.9 |
| 120°-130° | 550.9 | 9.8 |
| 130°-140° | 599.6 | 10.6 |
| 140°-150° | 578.9 | 10.3 |
| 150°-160° | 484.0 | 8.6 |
| 160°-170° | 321.0 | 5.7 |
| 170°-180° | 112.2 | 2.0 |
| 0°-30° | 472.0 | 8.4 |
| 0°-40° | 776.1 | 13.8 |
| 0°-60° | 1421.1 | 25.2 |
| 0°-90° | 2060.3 | 36.6 |
| 90°-120° | 925.5 | 16.4 |
| 90°-150° | 2654.9 | 47.1 |
| 90°-180° | 3572.0 | 63.4 |
| 0°-180° | 5632.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 606 | 606 | 606 | 606 | 606 | |
| 5° | 608 | 605 | 600 | 605 | 605 | 58 |
| 15° | 580 | 582 | 582 | 589 | 589 | 163 |
| 25° | 527 | 534 | 541 | 552 | 555 | 242 |
| 35° | 454 | 469 | 486 | 505 | 512 | 284 |
| 45° | 373 | 397 | 427 | 453 | 463 | 288 |
| 55° | 286 | 318 | 363 | 394 | 406 | 255 |
| 65° | 195 | 239 | 290 | 325 | 338 | 194 |
| 75° | 108 | 158 | 214 | 250 | 263 | 114 |
| 85° | 32 | 86 | 142 | 178 | 192 | 34 |
| 90° | 10 | 74 | 151 | 183 | 196 | 9 |
| 95° | 59 | 110 | 165 | 197 | 207 | 65 |
| 105° | 219 | 249 | 296 | 327 | 338 | 232 |
| 115° | 404 | 420 | 457 | 481 | 489 | 399 |
| 125° | 584 | 594 | 618 | 638 | 646 | 522 |
| 135° | 754 | 765 | 776 | 792 | 797 | 582 |
| 145° | 914 | 921 | 927 | 933 | 934 | 571 |
| 155° | 1045 | 1048 | 1051 | 1056 | 1053 | 481 |
| 165° | 1137 | 1136 | 1136 | 1142 | 1138 | 321 |
| 175° | 1183 | 1180 | 1178 | 1184 | 1179 | 112 |
| 180° | 1185 | 1185 | 1185 | 1185 | 1185 | |



TEST NUMBER: P331370-935

CATALOG NUMBER: SA2XXDIP-C675D1080U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 |
| 2.5° | 610.0 | 609.5 | 609.1 | 608.6 | 608.1 | 607.3 | 606.2 | 605.1 | 604.1 | 603.0 | 603.7 |
| 5° | 608.2 | 607.6 | 607.1 | 606.5 | 605.9 | 605.0 | 603.8 | 602.7 | 601.5 | 600.3 | 601.5 |
| 7.5° | 602.8 | 602.4 | 602.0 | 601.6 | 601.2 | 600.5 | 599.7 | 598.7 | 597.9 | 597.0 | 598.4 |
| 10° | 598.6 | 598.1 | 597.8 | 597.4 | 597.0 | 596.5 | 595.9 | 595.4 | 594.8 | 594.2 | 595.7 |
| 12.5° | 591.5 | 591.6 | 591.7 | 591.8 | 591.9 | 591.7 | 591.2 | 590.8 | 590.4 | 590.0 | 591.5 |
| 15° | 580.1 | 580.5 | 580.9 | 581.3 | 581.7 | 581.9 | 581.9 | 581.9 | 581.9 | 581.9 | 583.6 |
| 17.5° | 565.3 | 566.2 | 567.0 | 567.8 | 568.6 | 569.4 | 570.0 | 570.6 | 571.2 | 571.9 | 573.7 |
| 20° | 555.5 | 556.5 | 557.4 | 558.4 | 559.4 | 560.3 | 561.0 | 561.9 | 562.7 | 563.4 | 565.6 |
| 22.5° | 544.9 | 546.0 | 547.3 | 548.4 | 549.5 | 550.6 | 551.7 | 552.8 | 553.9 | 555.0 | 557.2 |
| 25° | 527.4 | 528.7 | 530.1 | 531.5 | 532.9 | 534.4 | 536.1 | 538.0 | 539.7 | 541.4 | 543.8 |
| 27.5° | 506.3 | 508.5 | 510.7 | 513.0 | 515.2 | 517.4 | 519.4 | 521.5 | 523.6 | 525.6 | 528.6 |
| 30° | 492.2 | 494.7 | 497.3 | 499.8 | 502.4 | 504.9 | 507.5 | 510.0 | 512.6 | 515.1 | 518.1 |
| 32.5° | 476.7 | 479.6 | 482.4 | 485.3 | 488.2 | 491.1 | 494.1 | 497.1 | 500.1 | 503.1 | 506.7 |
| 35° | 454.4 | 457.7 | 461.1 | 464.3 | 467.7 | 471.2 | 474.9 | 478.6 | 482.3 | 486.0 | 490.3 |
| 37.5° | 430.2 | 434.0 | 437.8 | 441.6 | 445.5 | 449.8 | 454.6 | 459.4 | 464.2 | 469.0 | 473.8 |
| 40° | 414.0 | 418.3 | 422.6 | 426.9 | 431.2 | 435.9 | 441.3 | 446.5 | 451.8 | 457.0 | 462.1 |
| 42.5° | 398.6 | 402.8 | 407.1 | 411.4 | 415.7 | 420.9 | 427.0 | 433.0 | 439.0 | 445.1 | 450.6 |
| 45° | 372.6 | 378.0 | 383.2 | 388.5 | 393.7 | 399.8 | 406.7 | 413.5 | 420.3 | 427.1 | 433.3 |
| 47.5° | 347.2 | 352.9 | 358.7 | 364.4 | 370.1 | 377.0 | 385.0 | 393.0 | 401.1 | 409.1 | 415.4 |
| 50° | 329.6 | 335.7 | 341.7 | 347.8 | 353.8 | 361.3 | 370.1 | 378.8 | 387.6 | 396.4 | 403.0 |
| 52.5° | 312.7 | 319.1 | 325.5 | 331.8 | 338.2 | 346.0 | 355.2 | 364.5 | 373.8 | 383.1 | 389.9 |
| 55° | 285.7 | 292.7 | 299.7 | 306.8 | 313.7 | 322.4 | 332.5 | 342.7 | 352.8 | 363.0 | 370.1 |
| 57.5° | 258.9 | 266.9 | 274.8 | 282.8 | 290.7 | 299.8 | 310.1 | 320.5 | 330.9 | 341.2 | 348.8 |
| 60° | 240.0 | 248.3 | 256.8 | 265.2 | 273.5 | 283.4 | 294.5 | 305.6 | 316.7 | 327.9 | 335.3 |
| 62.5° | 223.1 | 231.8 | 240.5 | 249.2 | 258.0 | 267.9 | 279.0 | 290.1 | 301.3 | 312.4 | 320.3 |
| 65° | 195.1 | 204.7 | 214.3 | 223.9 | 233.4 | 243.9 | 255.5 | 267.0 | 278.5 | 290.1 | 298.1 |
| 67.5° | 169.4 | 179.4 | 189.5 | 199.5 | 209.5 | 220.3 | 232.1 | 243.9 | 255.7 | 267.5 | 275.6 |
| 70° | 151.2 | 161.4 | 171.5 | 181.7 | 191.8 | 202.9 | 215.1 | 227.1 | 239.3 | 251.4 | 259.8 |
| 72.5° | 134.3 | 144.7 | 155.2 | 165.7 | 176.2 | 187.5 | 199.8 | 212.1 | 224.4 | 236.6 | 244.9 |
| 75° | 108.1 | 119.1 | 130.0 | 140.9 | 151.9 | 163.6 | 176.1 | 188.6 | 201.0 | 213.6 | 222.0 |
| 77.5° | 82.8 | 94.3 | 105.7 | 117.1 | 128.5 | 140.7 | 153.3 | 166.1 | 178.7 | 191.4 | 199.8 |
| 80° | 66.0 | 77.8 | 89.7 | 101.7 | 113.6 | 125.9 | 138.6 | 151.3 | 163.9 | 176.7 | 184.9 |
| 82.5° | 51.8 | 63.6 | 75.3 | 87.1 | 98.9 | 111.2 | 124.1 | 136.9 | 149.7 | 162.6 | 170.8 |
| 85° | 31.7 | 43.7 | 55.9 | 67.9 | 80.1 | 92.4 | 104.9 | 117.4 | 129.9 | 142.4 | 150.6 |
| 87.5° | 17.4 | 29.6 | 41.8 | 54.0 | 66.1 | 79.0 | 92.5 | 105.9 | 119.4 | 132.9 | 140.8 |
| 90° | 9.8 | 23.8 | 37.8 | 51.7 | 65.8 | 81.5 | 98.8 | 116.2 | 133.6 | 151.0 | 158.4 |
| 92.5° | 25.9 | 38.4 | 50.9 | 63.4 | 75.9 | 88.8 | 101.9 | 115.1 | 128.3 | 141.5 | 149.2 |
| 95° | 59.1 | 70.4 | 81.9 | 93.2 | 104.6 | 116.4 | 128.6 | 140.8 | 152.9 | 165.1 | 172.5 |
| 97.5° | 101.2 | 111.3 | 121.4 | 131.6 | 141.6 | 152.7 | 164.9 | 176.9 | 189.1 | 201.1 | 208.4 |
| 100° | 133.2 | 142.2 | 151.2 | 160.1 | 169.2 | 179.5 | 191.1 | 202.7 | 214.3 | 225.9 | 233.2 |
| 102.5° | 166.1 | 174.1 | 182.1 | 190.1 | 198.2 | 207.9 | 219.4 | 230.8 | 242.3 | 253.8 | 261.1 |
| 105° | 219.4 | 225.8 | 232.1 | 238.4 | 244.8 | 253.2 | 263.8 | 274.4 | 285.0 | 295.6 | 302.9 |
| 107.5° | 274.1 | 279.6 | 285.1 | 290.6 | 296.1 | 303.7 | 313.4 | 323.1 | 332.9 | 342.6 | 349.4 |
| 110° | 308.6 | 313.8 | 319.0 | 324.3 | 329.5 | 336.9 | 346.5 | 356.0 | 365.7 | 375.2 | 381.4 |



TEST NUMBER: P331370-935

CATALOG NUMBER: SA2XXDIP-C675D1080U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 347.0 | 351.5 | 356.2 | 360.8 | 365.4 | 372.2 | 381.1 | 390.0 | 399.0 | 407.9 | 413.6 |
| 115° | 403.6 | 407.1 | 410.5 | 414.0 | 417.5 | 423.4 | 431.8 | 440.1 | 448.4 | 456.8 | 462.4 |
| 117.5° | 459.1 | 462.3 | 465.5 | 468.6 | 471.8 | 476.8 | 483.7 | 490.6 | 497.5 | 504.4 | 509.6 |
| 120° | 496.7 | 499.3 | 501.8 | 504.4 | 507.0 | 511.3 | 517.3 | 523.3 | 529.3 | 535.4 | 540.9 |
| 122.5° | 531.1 | 533.6 | 536.0 | 538.5 | 540.9 | 545.2 | 551.3 | 557.3 | 563.4 | 569.6 | 574.4 |
| 125° | 583.8 | 585.8 | 587.8 | 589.9 | 591.9 | 595.6 | 601.2 | 606.8 | 612.3 | 617.9 | 622.6 |
| 127.5° | 636.0 | 638.3 | 640.7 | 643.1 | 645.4 | 648.7 | 652.9 | 657.1 | 661.4 | 665.6 | 669.7 |
| 130° | 668.8 | 671.5 | 674.2 | 676.9 | 679.6 | 682.8 | 686.5 | 690.1 | 693.8 | 697.4 | 701.6 |
| 132.5° | 705.7 | 707.8 | 710.0 | 712.1 | 714.3 | 717.0 | 720.2 | 723.5 | 726.8 | 730.0 | 733.6 |
| 135° | 754.0 | 756.4 | 758.9 | 761.3 | 763.8 | 766.2 | 768.5 | 770.9 | 773.4 | 775.8 | 779.6 |
| 137.5° | 805.8 | 807.7 | 809.7 | 811.7 | 813.6 | 815.3 | 816.7 | 818.2 | 819.7 | 821.0 | 824.5 |
| 140° | 837.0 | 838.8 | 840.6 | 842.4 | 844.2 | 845.8 | 847.4 | 848.9 | 850.3 | 851.9 | 855.0 |
| 142.5° | 869.0 | 870.8 | 872.6 | 874.4 | 876.2 | 877.5 | 878.4 | 879.2 | 880.0 | 880.9 | 883.6 |
| 145° | 914.1 | 915.7 | 917.2 | 918.8 | 920.3 | 921.8 | 923.1 | 924.5 | 925.7 | 927.1 | 928.5 |
| 147.5° | 955.1 | 957.0 | 958.8 | 960.7 | 962.6 | 964.0 | 964.8 | 965.8 | 966.6 | 967.5 | 968.2 |
| 150° | 983.1 | 984.5 | 985.8 | 987.1 | 988.4 | 989.5 | 990.5 | 991.4 | 992.2 | 993.2 | 993.8 |
| 152.5° | 1007.9 | 1009.3 | 1010.6 | 1011.9 | 1013.2 | 1014.4 | 1015.5 | 1016.6 | 1017.7 | 1018.7 | 1019.6 |
| 155° | 1045.2 | 1045.8 | 1046.5 | 1047.1 | 1047.8 | 1048.4 | 1049.1 | 1049.8 | 1050.5 | 1051.1 | 1052.2 |
| 157.5° | 1076.9 | 1077.4 | 1077.8 | 1078.2 | 1078.7 | 1079.1 | 1079.5 | 1080.0 | 1080.3 | 1080.7 | 1082.3 |
| 160° | 1096.1 | 1096.6 | 1097.0 | 1097.4 | 1097.9 | 1098.2 | 1098.5 | 1098.7 | 1098.9 | 1099.2 | 1100.4 |
| 162.5° | 1113.7 | 1113.8 | 1113.9 | 1114.0 | 1114.1 | 1114.2 | 1114.5 | 1114.7 | 1114.9 | 1115.2 | 1116.6 |
| 165° | 1137.1 | 1137.0 | 1136.7 | 1136.4 | 1136.3 | 1136.2 | 1136.2 | 1136.2 | 1136.2 | 1136.2 | 1137.7 |
| 167.5° | 1156.8 | 1156.1 | 1155.4 | 1154.8 | 1154.1 | 1153.7 | 1153.7 | 1153.7 | 1153.6 | 1153.6 | 1155.1 |
| 170° | 1167.2 | 1166.5 | 1165.8 | 1165.1 | 1164.5 | 1164.1 | 1163.8 | 1163.6 | 1163.4 | 1163.1 | 1164.7 |
| 172.5° | 1174.3 | 1173.7 | 1173.0 | 1172.3 | 1171.6 | 1171.2 | 1171.0 | 1170.8 | 1170.5 | 1170.4 | 1171.9 |
| 175° | 1183.2 | 1182.5 | 1181.8 | 1181.1 | 1180.5 | 1179.9 | 1179.5 | 1179.1 | 1178.6 | 1178.1 | 1179.7 |
| 177.5° | 1186.7 | 1186.2 | 1185.7 | 1185.2 | 1184.6 | 1184.1 | 1183.8 | 1183.4 | 1183.1 | 1182.8 | 1183.8 |
| 180° | 1185.2 | 1185.2 | 1185.2 | 1185.2 | 1185.2 | 1185.2 | 1185.2 | 1185.2 | 1185.2 | 1185.2 | 1185.2 |



TEST NUMBER: P331370-935

CATALOG NUMBER: SA2XXDIP-C675D1080U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 |
| 2.5° | 604.5 | 605.3 | 606.1 | 606.3 | 606.0 | 605.7 | 605.4 | 605.1 |
| 5° | 602.7 | 603.8 | 605.0 | 605.5 | 605.3 | 605.1 | 604.9 | 604.7 |
| 7.5° | 599.8 | 601.2 | 602.6 | 603.2 | 603.0 | 602.8 | 602.6 | 602.4 |
| 10° | 597.3 | 598.8 | 600.5 | 601.1 | 600.9 | 600.7 | 600.5 | 600.3 |
| 12.5° | 593.1 | 594.6 | 596.2 | 596.8 | 596.7 | 596.5 | 596.3 | 596.1 |
| 15° | 585.4 | 587.1 | 588.9 | 589.7 | 589.5 | 589.3 | 589.1 | 588.9 |
| 17.5° | 575.5 | 577.4 | 579.2 | 580.1 | 580.1 | 580.1 | 580.1 | 580.1 |
| 20° | 567.7 | 569.9 | 572.0 | 573.1 | 573.1 | 573.1 | 573.1 | 573.1 |
| 22.5° | 559.3 | 561.5 | 563.5 | 564.8 | 565.1 | 565.4 | 565.8 | 566.0 |
| 25° | 546.1 | 548.5 | 550.8 | 552.2 | 552.8 | 553.5 | 554.1 | 554.7 |
| 27.5° | 531.6 | 534.5 | 537.5 | 539.2 | 539.6 | 540.0 | 540.4 | 540.9 |
| 30° | 521.3 | 524.4 | 527.5 | 529.4 | 530.0 | 530.6 | 531.2 | 531.8 |
| 32.5° | 510.3 | 513.9 | 517.5 | 519.8 | 520.9 | 521.9 | 523.0 | 524.0 |
| 35° | 494.6 | 498.9 | 503.3 | 506.1 | 507.5 | 508.9 | 510.1 | 511.5 |
| 37.5° | 478.5 | 483.3 | 488.1 | 491.2 | 492.7 | 494.0 | 495.5 | 497.0 |
| 40° | 467.2 | 472.3 | 477.3 | 480.8 | 482.5 | 484.3 | 486.0 | 487.8 |
| 42.5° | 456.2 | 461.8 | 467.3 | 471.0 | 472.7 | 474.5 | 476.2 | 477.9 |
| 45° | 439.3 | 445.3 | 451.4 | 455.4 | 457.4 | 459.3 | 461.2 | 463.2 |
| 47.5° | 421.7 | 428.1 | 434.4 | 438.6 | 440.7 | 442.9 | 445.1 | 447.2 |
| 50° | 409.7 | 416.3 | 423.0 | 427.4 | 429.6 | 431.7 | 433.8 | 435.9 |
| 52.5° | 396.7 | 403.5 | 410.3 | 414.8 | 417.1 | 419.4 | 421.7 | 424.0 |
| 55° | 377.0 | 384.1 | 391.2 | 395.9 | 398.5 | 401.0 | 403.6 | 406.0 |
| 57.5° | 356.4 | 363.9 | 371.5 | 376.6 | 379.2 | 381.8 | 384.4 | 386.9 |
| 60° | 342.7 | 350.1 | 357.6 | 362.7 | 365.3 | 368.1 | 370.8 | 373.6 |
| 62.5° | 328.1 | 336.0 | 344.0 | 349.2 | 351.7 | 354.3 | 356.9 | 359.5 |
| 65° | 306.1 | 314.1 | 322.1 | 327.4 | 329.9 | 332.4 | 335.0 | 337.5 |
| 67.5° | 283.7 | 291.8 | 299.9 | 305.3 | 307.9 | 310.6 | 313.2 | 315.9 |
| 70° | 268.2 | 276.6 | 285.0 | 290.3 | 292.7 | 295.1 | 297.4 | 299.7 |
| 72.5° | 253.1 | 261.3 | 269.6 | 275.1 | 277.9 | 280.8 | 283.5 | 286.4 |
| 75° | 230.4 | 238.8 | 247.2 | 252.6 | 255.2 | 257.7 | 260.3 | 262.8 |
| 77.5° | 208.2 | 216.5 | 224.9 | 230.4 | 233.2 | 235.9 | 238.6 | 241.3 |
| 80° | 193.0 | 201.3 | 209.5 | 215.0 | 217.7 | 220.4 | 223.2 | 225.9 |
| 82.5° | 179.0 | 187.2 | 195.4 | 200.8 | 203.4 | 206.0 | 208.5 | 211.1 |
| 85° | 158.8 | 167.0 | 175.2 | 180.6 | 183.4 | 186.1 | 188.9 | 191.6 |
| 87.5° | 148.6 | 156.5 | 164.4 | 169.6 | 172.1 | 174.7 | 177.2 | 179.8 |
| 90° | 165.7 | 173.1 | 180.5 | 185.5 | 188.0 | 190.6 | 193.2 | 195.7 |
| 92.5° | 157.0 | 164.7 | 172.5 | 177.5 | 179.9 | 182.4 | 184.7 | 187.1 |
| 95° | 179.9 | 187.4 | 194.8 | 199.4 | 201.3 | 203.2 | 205.2 | 207.1 |
| 97.5° | 215.6 | 222.8 | 230.1 | 234.8 | 237.0 | 239.3 | 241.6 | 243.8 |
| 100° | 240.4 | 247.6 | 254.9 | 259.4 | 261.3 | 263.2 | 265.2 | 267.1 |
| 102.5° | 268.3 | 275.5 | 282.8 | 287.4 | 289.3 | 291.2 | 293.2 | 295.1 |
| 105° | 310.2 | 317.5 | 324.8 | 329.4 | 331.6 | 333.7 | 335.9 | 338.0 |
| 107.5° | 356.1 | 362.8 | 369.5 | 373.5 | 374.6 | 375.7 | 376.9 | 378.0 |
| 110° | 387.7 | 394.0 | 400.2 | 404.1 | 405.5 | 407.0 | 408.5 | 410.0 |



TEST NUMBER: P331370-935

CATALOG NUMBER: SA2XXDIP-C675D1080U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 419.3 | 425.1 | 430.8 | 434.5 | 436.1 | 437.7 | 439.5 | 441.1 |
| 115° | 468.0 | 473.7 | 479.3 | 482.9 | 484.4 | 485.9 | 487.3 | 488.8 |
| 117.5° | 514.9 | 520.1 | 525.4 | 528.7 | 530.0 | 531.3 | 532.6 | 534.0 |
| 120° | 546.3 | 551.8 | 557.2 | 560.7 | 562.2 | 563.7 | 565.2 | 566.6 |
| 122.5° | 579.1 | 583.9 | 588.7 | 591.8 | 593.1 | 594.4 | 595.8 | 597.1 |
| 125° | 627.2 | 631.8 | 636.4 | 639.5 | 641.0 | 642.6 | 644.0 | 645.6 |
| 127.5° | 673.7 | 677.8 | 681.8 | 684.3 | 685.4 | 686.4 | 687.3 | 688.4 |
| 130° | 705.9 | 710.2 | 714.4 | 716.9 | 717.6 | 718.2 | 718.8 | 719.5 |
| 132.5° | 737.1 | 740.6 | 744.2 | 746.4 | 747.3 | 748.1 | 749.0 | 749.8 |
| 135° | 783.5 | 787.4 | 791.3 | 793.7 | 794.5 | 795.5 | 796.3 | 797.3 |
| 137.5° | 827.9 | 831.3 | 834.7 | 836.6 | 837.1 | 837.6 | 838.0 | 838.4 |
| 140° | 858.1 | 861.3 | 864.4 | 866.1 | 866.3 | 866.6 | 866.9 | 867.2 |
| 142.5° | 886.2 | 888.9 | 891.6 | 892.9 | 893.1 | 893.2 | 893.4 | 893.5 |
| 145° | 929.9 | 931.3 | 932.7 | 933.4 | 933.5 | 933.6 | 933.7 | 933.8 |
| 147.5° | 968.8 | 969.5 | 970.1 | 970.3 | 969.8 | 969.5 | 969.1 | 968.7 |
| 150° | 994.5 | 995.1 | 995.8 | 995.8 | 995.1 | 994.5 | 993.8 | 993.2 |
| 152.5° | 1020.5 | 1021.2 | 1022.1 | 1022.1 | 1021.2 | 1020.5 | 1019.6 | 1018.7 |
| 155° | 1053.3 | 1054.5 | 1055.6 | 1055.8 | 1055.2 | 1054.5 | 1053.8 | 1053.1 |
| 157.5° | 1083.7 | 1085.3 | 1086.8 | 1087.0 | 1085.9 | 1084.9 | 1083.8 | 1082.7 |
| 160° | 1101.8 | 1103.1 | 1104.5 | 1104.7 | 1103.8 | 1102.9 | 1102.0 | 1101.1 |
| 162.5° | 1118.2 | 1119.6 | 1121.2 | 1121.4 | 1120.3 | 1119.3 | 1118.2 | 1117.1 |
| 165° | 1139.3 | 1140.8 | 1142.4 | 1142.5 | 1141.5 | 1140.4 | 1139.3 | 1138.2 |
| 167.5° | 1156.7 | 1158.2 | 1159.8 | 1159.9 | 1158.8 | 1157.6 | 1156.5 | 1155.4 |
| 170° | 1166.2 | 1167.8 | 1169.3 | 1169.5 | 1168.1 | 1166.8 | 1165.4 | 1164.2 |
| 172.5° | 1173.5 | 1175.0 | 1176.6 | 1176.6 | 1175.4 | 1174.0 | 1172.7 | 1171.3 |
| 175° | 1181.3 | 1182.8 | 1184.4 | 1184.5 | 1183.2 | 1181.8 | 1180.5 | 1179.1 |
| 177.5° | 1184.9 | 1185.9 | 1187.0 | 1187.0 | 1185.9 | 1184.9 | 1183.8 | 1182.8 |
| 180° | 1185.2 | 1185.2 | 1185.2 | 1185.2 | 1185.2 | 1185.2 | 1185.2 | 1185.2 |

(END OF REPORT)