

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: P332592-935

Luminaire Tested: **SA4XXDIP-C795D590U935-4F0-1E-UDD-D**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332592-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D590U935-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

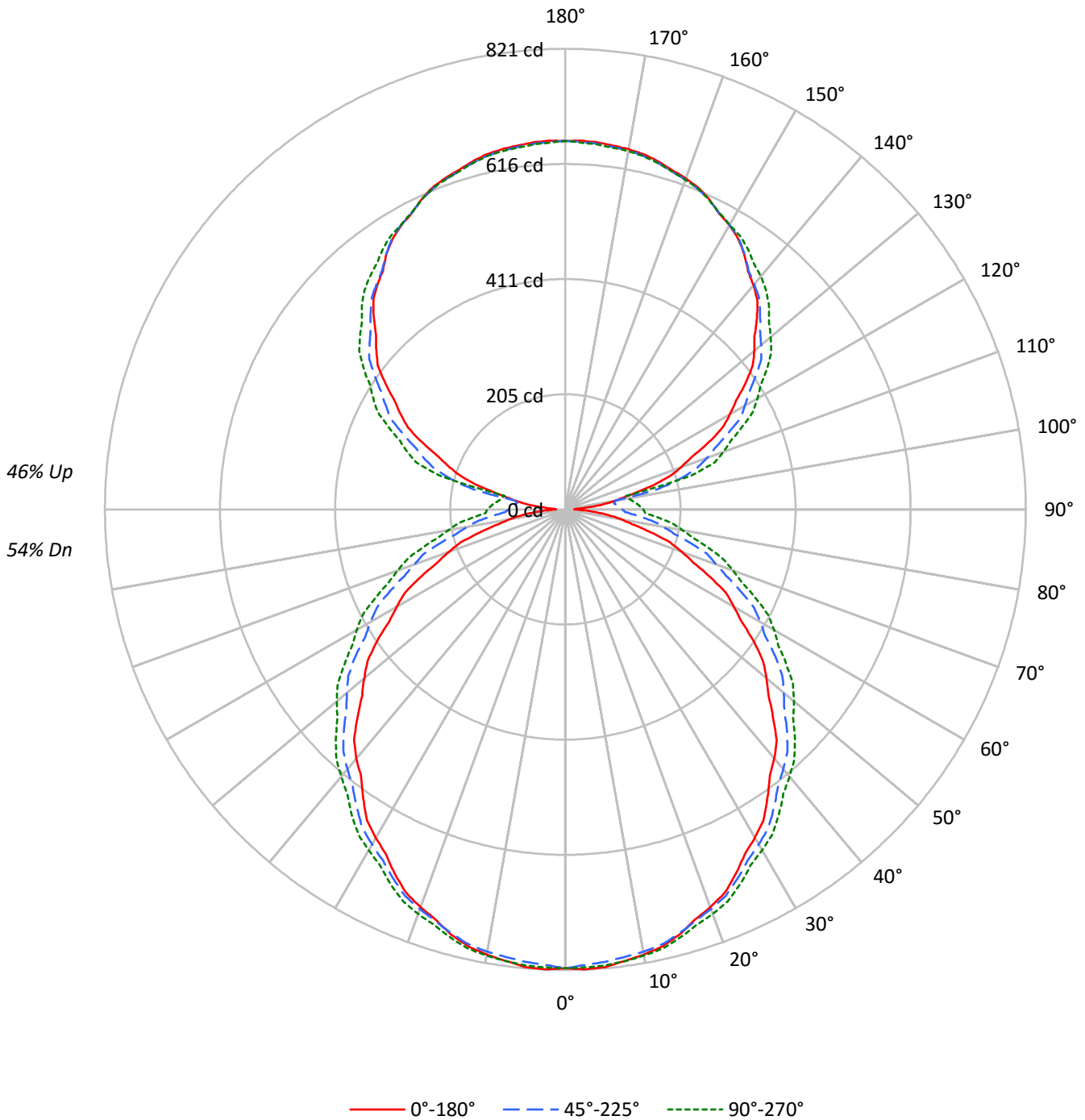
Lumens per Lamp: N/A
Luminaire Lumens: 4821.0 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: General Diffuse

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



TEST NUMBER: P332592-935
CATALOG NUMBER: SA4XXDIP-C795D590U935-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332592-935

CATALOG NUMBER: SA4XXDIP-C795D590U935-4F0-1E-UDD-D

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 72 | 72 | 72 | 59 | 59 | 59 | 54 | | | | |
| 1 | 97 | 93 | 88 | 84 | 90 | 86 | 82 | 79 | 73 | 70 | 68 | 61 | 59 | 58 | 51 | 49 | 48 | 43 | | | | |
| 2 | 88 | 80 | 74 | 68 | 81 | 74 | 69 | 64 | 63 | 59 | 55 | 53 | 50 | 47 | 44 | 42 | 40 | 35 | | | | |
| 3 | 80 | 70 | 62 | 56 | 74 | 65 | 58 | 53 | 56 | 50 | 46 | 47 | 43 | 39 | 39 | 36 | 33 | 29 | | | | |
| 4 | 73 | 62 | 54 | 47 | 67 | 57 | 50 | 44 | 49 | 43 | 39 | 41 | 37 | 33 | 34 | 31 | 28 | 25 | | | | |
| 5 | 67 | 55 | 46 | 40 | 62 | 51 | 44 | 38 | 44 | 38 | 33 | 37 | 32 | 29 | 31 | 27 | 24 | 21 | | | | |
| 6 | 62 | 49 | 41 | 35 | 57 | 46 | 38 | 33 | 39 | 33 | 29 | 33 | 29 | 25 | 28 | 24 | 21 | 18 | | | | |
| 7 | 57 | 44 | 36 | 30 | 53 | 41 | 34 | 29 | 36 | 30 | 25 | 30 | 26 | 22 | 25 | 22 | 19 | 16 | | | | |
| 8 | 53 | 40 | 32 | 27 | 49 | 38 | 30 | 25 | 32 | 27 | 22 | 28 | 23 | 20 | 23 | 20 | 17 | 14 | | | | |
| 9 | 49 | 37 | 29 | 24 | 45 | 34 | 27 | 22 | 30 | 24 | 20 | 25 | 21 | 18 | 21 | 18 | 15 | 13 | | | | |
| 10 | 46 | 34 | 26 | 21 | 43 | 31 | 25 | 20 | 27 | 22 | 18 | 23 | 19 | 16 | 20 | 16 | 14 | 12 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6603 | 6603 | 6603 |
| 5° | 6622 | 6453 | 6471 |
| 10° | 6582 | 6347 | 6342 |
| 15° | 6524 | 6225 | 6190 |
| 20° | 6435 | 6090 | 6044 |
| 25° | 6334 | 5939 | 5882 |
| 30° | 6226 | 5788 | 5714 |
| 35° | 6103 | 5635 | 5569 |
| 40° | 6004 | 5488 | 5417 |
| 45° | 5858 | 5352 | 5286 |
| 50° | 5735 | 5197 | 5149 |
| 55° | 5608 | 5051 | 4987 |
| 60° | 5409 | 4863 | 4840 |
| 65° | 5191 | 4662 | 4657 |
| 70° | 4927 | 4433 | 4447 |
| 75° | 4561 | 4182 | 4255 |
| 80° | 4149 | 3940 | 4067 |
| 85° | 3636 | 3724 | 3960 |



TEST NUMBER: P332592-935

CATALOG NUMBER: SA4XXDIP-C795D590U935-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 77.4 | 1.6 |
| 10°-20° | 221.9 | 4.6 |
| 20°-30° | 335.5 | 7.0 |
| 30°-40° | 405.9 | 8.4 |
| 40°-50° | 429.2 | 8.9 |
| 50°-60° | 403.9 | 8.4 |
| 60°-70° | 335.1 | 7.0 |
| 70°-80° | 235.4 | 4.9 |
| 80°-90° | 135.0 | 2.8 |
| 90°-100° | 101.5 | 2.1 |
| 100°-110° | 201.7 | 4.2 |
| 110°-120° | 313.2 | 6.5 |
| 120°-130° | 369.9 | 7.7 |
| 130°-140° | 381.6 | 7.9 |
| 140°-150° | 349.9 | 7.3 |
| 150°-160° | 280.6 | 5.8 |
| 160°-170° | 181.0 | 3.8 |
| 170°-180° | 62.4 | 1.3 |
| 0°-30° | 634.9 | 13.2 |
| 0°-40° | 1040.8 | 21.6 |
| 0°-60° | 1873.9 | 38.9 |
| 0°-90° | 2579.4 | 53.5 |
| 90°-120° | 616.4 | 12.8 |
| 90°-150° | 1717.7 | 35.6 |
| 90°-180° | 2242.0 | 46.5 |
| 0°-180° | 4821.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 818 | 818 | 818 | 818 | 818 | |
| 5° | 819 | 816 | 810 | 816 | 816 | 78 |
| 15° | 785 | 786 | 783 | 791 | 790 | 221 |
| 25° | 718 | 723 | 726 | 736 | 737 | 331 |
| 35° | 628 | 639 | 648 | 661 | 664 | 393 |
| 45° | 524 | 541 | 559 | 574 | 579 | 405 |
| 55° | 410 | 430 | 457 | 475 | 481 | 365 |
| 65° | 284 | 313 | 344 | 366 | 374 | 281 |
| 75° | 158 | 192 | 230 | 255 | 264 | 168 |
| 85° | 49 | 87 | 128 | 155 | 165 | 52 |
| 90° | 16 | 58 | 102 | 130 | 139 | 11 |
| 95° | 39 | 54 | 90 | 117 | 127 | 44 |
| 105° | 156 | 178 | 214 | 239 | 231 | 164 |
| 115° | 282 | 292 | 320 | 340 | 348 | 277 |
| 125° | 392 | 394 | 415 | 433 | 440 | 350 |
| 135° | 483 | 483 | 491 | 506 | 513 | 372 |
| 145° | 556 | 556 | 556 | 562 | 567 | 347 |
| 155° | 609 | 609 | 608 | 609 | 608 | 281 |
| 165° | 642 | 640 | 640 | 643 | 639 | 181 |
| 175° | 657 | 654 | 654 | 658 | 653 | 63 |
| 180° | 657 | 657 | 657 | 657 | 657 | |



TEST NUMBER: P332592-935

CATALOG NUMBER: SA4XXDIP-C795D590U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 817.9 | 817.9 | 817.9 | 817.9 | 817.9 | 817.9 | 817.9 | 817.9 | 817.9 | 817.9 | 817.9 |
| 2.5° | 820.8 | 820.3 | 819.8 | 819.3 | 818.8 | 817.9 | 816.6 | 815.3 | 814.0 | 812.7 | 813.8 |
| 5° | 818.7 | 818.1 | 817.5 | 816.9 | 816.3 | 815.3 | 813.8 | 812.4 | 811.0 | 809.6 | 811.2 |
| 7.5° | 811.8 | 811.4 | 811.1 | 810.7 | 810.3 | 809.5 | 808.4 | 807.2 | 806.0 | 804.9 | 806.7 |
| 10° | 805.9 | 805.7 | 805.6 | 805.3 | 805.1 | 804.5 | 803.5 | 802.5 | 801.4 | 800.4 | 802.3 |
| 12.5° | 797.9 | 797.8 | 797.8 | 797.7 | 797.7 | 797.4 | 796.7 | 795.9 | 795.2 | 794.5 | 796.3 |
| 15° | 784.9 | 785.1 | 785.2 | 785.5 | 785.7 | 785.5 | 784.9 | 784.3 | 783.6 | 783.0 | 784.9 |
| 17.5° | 767.1 | 767.7 | 768.3 | 769.0 | 769.6 | 769.7 | 769.6 | 769.6 | 769.4 | 769.3 | 771.2 |
| 20° | 754.7 | 755.3 | 755.9 | 756.5 | 757.1 | 757.5 | 757.7 | 757.9 | 758.1 | 758.3 | 760.3 |
| 22.5° | 740.7 | 741.5 | 742.3 | 743.0 | 743.8 | 744.4 | 744.8 | 745.1 | 745.5 | 745.9 | 747.9 |
| 25° | 718.0 | 719.2 | 720.5 | 721.7 | 722.9 | 723.8 | 724.4 | 725.0 | 725.7 | 726.3 | 728.5 |
| 27.5° | 692.8 | 694.5 | 696.3 | 698.1 | 699.9 | 701.3 | 702.2 | 703.1 | 704.0 | 705.0 | 707.1 |
| 30° | 675.9 | 677.5 | 679.2 | 680.8 | 682.4 | 683.9 | 685.4 | 686.7 | 688.2 | 689.6 | 691.8 |
| 32.5° | 657.5 | 659.5 | 661.5 | 663.4 | 665.4 | 667.1 | 668.7 | 670.3 | 671.9 | 673.5 | 676.1 |
| 35° | 628.3 | 630.7 | 633.2 | 635.6 | 638.0 | 640.2 | 642.3 | 644.4 | 646.4 | 648.4 | 651.3 |
| 37.5° | 598.7 | 601.6 | 604.4 | 607.2 | 610.0 | 612.7 | 615.2 | 617.7 | 620.3 | 622.8 | 625.7 |
| 40° | 579.7 | 582.4 | 585.0 | 587.6 | 590.3 | 593.1 | 595.9 | 598.7 | 601.6 | 604.4 | 607.5 |
| 42.5° | 557.8 | 560.7 | 563.7 | 566.6 | 569.6 | 572.7 | 576.1 | 579.5 | 582.8 | 586.1 | 589.5 |
| 45° | 523.8 | 527.7 | 531.6 | 535.5 | 539.3 | 543.2 | 547.1 | 551.0 | 554.7 | 558.6 | 562.1 |
| 47.5° | 491.5 | 495.4 | 499.4 | 503.4 | 507.4 | 511.6 | 516.1 | 520.6 | 525.0 | 529.5 | 533.1 |
| 50° | 468.0 | 472.4 | 476.9 | 481.4 | 485.9 | 490.3 | 494.8 | 499.3 | 503.8 | 508.2 | 512.4 |
| 52.5° | 444.5 | 449.0 | 453.5 | 458.0 | 462.4 | 467.3 | 472.3 | 477.5 | 482.7 | 487.8 | 491.8 |
| 55° | 410.3 | 414.6 | 418.9 | 423.1 | 427.4 | 432.6 | 438.7 | 444.8 | 450.9 | 457.0 | 461.1 |
| 57.5° | 372.0 | 377.3 | 382.6 | 387.9 | 393.1 | 398.8 | 404.9 | 411.0 | 417.1 | 423.1 | 427.9 |
| 60° | 347.1 | 352.4 | 357.7 | 363.0 | 368.2 | 374.3 | 381.0 | 387.7 | 394.4 | 401.1 | 405.8 |
| 62.5° | 322.9 | 328.7 | 334.5 | 340.3 | 346.0 | 352.3 | 359.0 | 365.8 | 372.5 | 379.2 | 383.8 |
| 65° | 283.9 | 290.4 | 297.0 | 303.4 | 310.0 | 316.7 | 323.6 | 330.5 | 337.4 | 344.3 | 349.4 |
| 67.5° | 246.3 | 253.3 | 260.2 | 267.1 | 274.1 | 281.2 | 288.6 | 296.0 | 303.4 | 310.8 | 316.0 |
| 70° | 220.7 | 227.6 | 234.5 | 241.5 | 248.4 | 255.7 | 263.5 | 271.2 | 278.9 | 286.6 | 292.1 |
| 72.5° | 195.8 | 202.9 | 210.0 | 217.1 | 224.1 | 231.8 | 240.0 | 248.2 | 256.5 | 264.7 | 270.0 |
| 75° | 157.6 | 165.1 | 172.5 | 180.1 | 187.6 | 195.7 | 204.2 | 212.8 | 221.4 | 229.9 | 235.6 |
| 77.5° | 121.8 | 129.8 | 137.8 | 145.8 | 153.7 | 162.2 | 171.2 | 180.1 | 189.1 | 198.0 | 203.8 |
| 80° | 99.8 | 108.0 | 116.1 | 124.2 | 132.4 | 140.9 | 149.9 | 158.9 | 167.8 | 176.8 | 182.9 |
| 82.5° | 77.8 | 86.3 | 94.8 | 103.2 | 111.7 | 120.5 | 129.4 | 138.4 | 147.3 | 156.3 | 162.5 |
| 85° | 48.6 | 57.1 | 65.6 | 74.2 | 82.7 | 91.6 | 100.7 | 109.9 | 119.1 | 128.2 | 134.3 |
| 87.5° | 27.4 | 35.9 | 44.5 | 53.0 | 61.6 | 70.4 | 79.5 | 88.6 | 97.6 | 106.8 | 112.8 |
| 90° | 16.1 | 25.5 | 34.8 | 44.2 | 53.5 | 62.9 | 72.6 | 82.2 | 91.9 | 101.5 | 108.1 |
| 92.5° | 20.1 | 27.5 | 34.9 | 42.3 | 49.7 | 58.2 | 67.8 | 77.4 | 87.0 | 96.7 | 103.1 |
| 95° | 38.9 | 41.9 | 44.9 | 48.0 | 51.0 | 56.7 | 65.1 | 73.6 | 82.1 | 90.5 | 96.6 |
| 97.5° | 68.2 | 76.3 | 84.4 | 92.5 | 100.6 | 102.6 | 98.8 | 94.8 | 90.9 | 87.0 | 92.4 |
| 100° | 90.7 | 97.9 | 105.1 | 112.4 | 119.7 | 119.7 | 112.6 | 105.5 | 98.3 | 91.2 | 94.9 |
| 102.5° | 116.6 | 122.6 | 128.7 | 134.8 | 140.9 | 146.8 | 152.7 | 158.4 | 164.3 | 170.0 | 155.4 |
| 105° | 156.1 | 160.8 | 165.5 | 170.2 | 175.0 | 181.4 | 189.4 | 197.5 | 205.6 | 213.7 | 219.7 |
| 107.5° | 194.3 | 197.9 | 201.6 | 205.3 | 209.0 | 214.7 | 222.6 | 230.5 | 238.3 | 246.2 | 251.7 |
| 110° | 219.5 | 222.7 | 225.8 | 229.0 | 232.2 | 237.7 | 245.5 | 253.2 | 261.1 | 268.8 | 273.7 |



TEST NUMBER: P332592-935

CATALOG NUMBER: SA4XXDIP-C795D590U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 243.9 | 247.0 | 250.1 | 253.2 | 256.4 | 261.5 | 268.5 | 275.7 | 282.8 | 289.9 | 294.4 |
| 115° | 281.5 | 283.7 | 285.9 | 288.0 | 290.2 | 294.5 | 300.8 | 307.2 | 313.7 | 320.0 | 324.8 |
| 117.5° | 316.2 | 317.7 | 319.3 | 320.8 | 322.4 | 326.2 | 332.6 | 338.9 | 345.2 | 351.5 | 355.7 |
| 120° | 339.1 | 340.1 | 341.1 | 342.2 | 343.2 | 346.6 | 352.4 | 358.3 | 364.0 | 369.8 | 374.1 |
| 122.5° | 361.0 | 361.4 | 361.8 | 362.2 | 362.6 | 365.7 | 371.3 | 377.1 | 382.8 | 388.6 | 392.8 |
| 125° | 391.7 | 391.9 | 392.1 | 392.4 | 392.6 | 395.1 | 400.0 | 404.8 | 409.7 | 414.7 | 418.8 |
| 127.5° | 421.4 | 421.3 | 421.1 | 421.0 | 420.9 | 423.1 | 427.5 | 432.0 | 436.4 | 440.7 | 444.4 |
| 130° | 439.9 | 439.8 | 439.7 | 439.5 | 439.5 | 441.3 | 444.8 | 448.4 | 451.9 | 455.6 | 459.3 |
| 132.5° | 457.5 | 457.5 | 457.5 | 457.5 | 457.5 | 459.0 | 462.0 | 465.0 | 468.0 | 471.1 | 474.7 |
| 135° | 483.1 | 483.0 | 482.9 | 482.8 | 482.7 | 483.6 | 485.4 | 487.3 | 489.1 | 491.0 | 494.5 |
| 137.5° | 506.6 | 506.4 | 506.3 | 506.2 | 506.0 | 506.5 | 507.6 | 508.9 | 510.0 | 511.2 | 514.4 |
| 140° | 521.9 | 521.9 | 521.9 | 522.0 | 522.0 | 522.2 | 522.6 | 523.1 | 523.5 | 523.9 | 526.8 |
| 142.5° | 534.9 | 535.3 | 535.6 | 536.1 | 536.4 | 536.6 | 536.6 | 536.6 | 536.6 | 536.6 | 539.2 |
| 145° | 555.9 | 556.0 | 556.1 | 556.3 | 556.4 | 556.5 | 556.5 | 556.5 | 556.5 | 556.5 | 557.8 |
| 147.5° | 572.7 | 573.1 | 573.5 | 573.9 | 574.3 | 574.5 | 574.4 | 574.3 | 574.1 | 574.0 | 574.3 |
| 150° | 584.9 | 585.1 | 585.3 | 585.6 | 585.8 | 585.9 | 585.7 | 585.7 | 585.6 | 585.4 | 585.4 |
| 152.5° | 594.3 | 594.7 | 595.0 | 595.3 | 595.6 | 595.6 | 595.5 | 595.3 | 595.0 | 594.9 | 595.0 |
| 155° | 608.6 | 608.6 | 608.7 | 608.8 | 609.0 | 608.8 | 608.6 | 608.2 | 607.9 | 607.5 | 608.0 |
| 157.5° | 620.6 | 620.5 | 620.4 | 620.4 | 620.4 | 620.1 | 619.7 | 619.4 | 619.0 | 618.6 | 619.2 |
| 160° | 627.7 | 627.3 | 627.0 | 626.7 | 626.4 | 626.1 | 626.0 | 625.9 | 625.8 | 625.7 | 626.4 |
| 162.5° | 634.0 | 633.5 | 633.1 | 632.7 | 632.3 | 632.1 | 631.9 | 631.8 | 631.7 | 631.6 | 632.2 |
| 165° | 641.9 | 641.4 | 640.8 | 640.2 | 639.7 | 639.5 | 639.5 | 639.5 | 639.5 | 639.5 | 640.3 |
| 167.5° | 648.2 | 647.6 | 647.0 | 646.5 | 645.9 | 645.6 | 645.6 | 645.5 | 645.4 | 645.3 | 646.4 |
| 170° | 651.8 | 651.1 | 650.4 | 649.8 | 649.1 | 648.8 | 648.9 | 649.0 | 649.2 | 649.3 | 650.1 |
| 172.5° | 654.1 | 653.4 | 652.8 | 652.1 | 651.5 | 651.2 | 651.3 | 651.4 | 651.5 | 651.6 | 652.6 |
| 175° | 656.7 | 656.0 | 655.3 | 654.7 | 654.0 | 653.8 | 653.8 | 654.0 | 654.1 | 654.2 | 655.1 |
| 177.5° | 657.8 | 657.2 | 656.6 | 656.0 | 655.4 | 655.1 | 655.3 | 655.5 | 655.7 | 655.8 | 656.6 |
| 180° | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 |



TEST NUMBER: P332592-935

CATALOG NUMBER: SA4XXDIP-C795D590U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 817.9 | 817.9 | 817.9 | 817.9 | 817.9 | 817.9 | 817.9 | 817.9 |
| 2.5° | 814.9 | 816.1 | 817.3 | 817.8 | 817.6 | 817.4 | 817.3 | 817.1 |
| 5° | 812.9 | 814.5 | 816.1 | 816.8 | 816.6 | 816.4 | 816.2 | 816.0 |
| 7.5° | 808.5 | 810.3 | 812.2 | 813.0 | 812.8 | 812.5 | 812.4 | 812.2 |
| 10° | 804.1 | 805.9 | 807.8 | 808.6 | 808.4 | 808.1 | 808.0 | 807.8 |
| 12.5° | 797.9 | 799.6 | 801.2 | 802.0 | 802.0 | 801.9 | 801.9 | 801.8 |
| 15° | 786.7 | 788.5 | 790.3 | 791.2 | 791.0 | 790.7 | 790.6 | 790.3 |
| 17.5° | 773.0 | 774.9 | 776.8 | 777.7 | 777.5 | 777.3 | 777.1 | 777.0 |
| 20° | 762.3 | 764.4 | 766.5 | 767.5 | 767.5 | 767.5 | 767.5 | 767.5 |
| 22.5° | 749.9 | 751.9 | 754.0 | 755.2 | 755.5 | 755.8 | 756.1 | 756.5 |
| 25° | 730.7 | 733.0 | 735.2 | 736.4 | 736.6 | 736.8 | 737.0 | 737.3 |
| 27.5° | 709.1 | 711.2 | 713.3 | 714.5 | 714.7 | 715.0 | 715.2 | 715.4 |
| 30° | 694.1 | 696.3 | 698.5 | 699.9 | 700.3 | 700.7 | 701.1 | 701.5 |
| 32.5° | 678.6 | 681.2 | 683.7 | 685.3 | 685.6 | 686.0 | 686.5 | 686.9 |
| 35° | 654.1 | 656.9 | 659.8 | 661.5 | 662.1 | 662.7 | 663.4 | 664.0 |
| 37.5° | 628.5 | 631.5 | 634.3 | 636.1 | 636.7 | 637.4 | 638.0 | 638.7 |
| 40° | 610.5 | 613.6 | 616.6 | 618.5 | 619.4 | 620.2 | 621.0 | 621.8 |
| 42.5° | 592.9 | 596.2 | 599.6 | 601.7 | 602.3 | 603.0 | 603.6 | 604.2 |
| 45° | 565.6 | 569.0 | 572.5 | 574.7 | 575.8 | 576.8 | 577.8 | 578.8 |
| 47.5° | 536.7 | 540.3 | 543.9 | 546.2 | 547.5 | 548.7 | 549.9 | 551.1 |
| 50° | 516.4 | 520.5 | 524.5 | 527.2 | 528.4 | 529.7 | 530.9 | 532.1 |
| 52.5° | 495.9 | 500.0 | 504.0 | 506.7 | 507.9 | 509.1 | 510.3 | 511.6 |
| 55° | 465.1 | 469.2 | 473.3 | 476.0 | 477.2 | 478.4 | 479.6 | 480.8 |
| 57.5° | 432.8 | 437.6 | 442.5 | 445.5 | 446.6 | 447.7 | 448.9 | 450.0 |
| 60° | 410.5 | 415.2 | 419.8 | 423.0 | 424.6 | 426.3 | 427.9 | 429.6 |
| 62.5° | 388.5 | 393.2 | 397.9 | 401.1 | 402.7 | 404.3 | 405.9 | 407.5 |
| 65° | 354.6 | 359.6 | 364.7 | 368.1 | 369.7 | 371.3 | 372.9 | 374.5 |
| 67.5° | 321.2 | 326.3 | 331.5 | 334.8 | 336.5 | 338.0 | 339.7 | 341.2 |
| 70° | 297.6 | 303.2 | 308.7 | 312.1 | 313.5 | 315.0 | 316.3 | 317.8 |
| 72.5° | 275.3 | 280.7 | 286.0 | 289.5 | 291.0 | 292.7 | 294.2 | 295.8 |
| 75° | 241.3 | 246.9 | 252.7 | 256.4 | 258.3 | 260.1 | 261.9 | 263.7 |
| 77.5° | 209.6 | 215.3 | 221.1 | 225.0 | 227.0 | 228.9 | 230.8 | 232.8 |
| 80° | 189.0 | 195.1 | 201.2 | 205.0 | 206.6 | 208.3 | 209.9 | 211.5 |
| 82.5° | 168.8 | 175.0 | 181.3 | 185.4 | 187.1 | 188.9 | 190.7 | 192.5 |
| 85° | 140.4 | 146.5 | 152.7 | 156.7 | 158.8 | 160.7 | 162.8 | 164.9 |
| 87.5° | 118.8 | 124.8 | 130.9 | 134.8 | 136.6 | 138.4 | 140.3 | 142.2 |
| 90° | 114.6 | 121.1 | 127.7 | 131.9 | 133.7 | 135.6 | 137.4 | 139.3 |
| 92.5° | 109.4 | 115.9 | 122.3 | 126.3 | 127.9 | 129.7 | 131.3 | 132.9 |
| 95° | 102.8 | 108.9 | 115.1 | 119.2 | 121.1 | 123.0 | 124.9 | 126.9 |
| 97.5° | 97.7 | 103.1 | 108.6 | 112.2 | 114.1 | 115.9 | 117.8 | 119.6 |
| 100° | 98.5 | 102.1 | 105.7 | 108.4 | 109.9 | 111.4 | 113.0 | 114.5 |
| 102.5° | 140.7 | 126.0 | 111.3 | 104.8 | 106.4 | 108.0 | 109.6 | 111.2 |
| 105° | 225.8 | 231.9 | 238.0 | 239.9 | 237.5 | 235.2 | 232.9 | 230.7 |
| 107.5° | 257.2 | 262.6 | 268.1 | 271.8 | 273.7 | 275.6 | 277.4 | 279.3 |
| 110° | 278.6 | 283.5 | 288.3 | 291.8 | 293.8 | 295.8 | 297.6 | 299.6 |



TEST NUMBER: P332592-935

CATALOG NUMBER: SA4XXDIP-C795D590U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 298.9 | 303.3 | 307.8 | 311.1 | 313.1 | 315.1 | 317.2 | 319.2 |
| 115° | 329.4 | 334.2 | 338.8 | 341.9 | 343.3 | 344.7 | 346.1 | 347.6 |
| 117.5° | 359.9 | 364.0 | 368.2 | 371.1 | 372.7 | 374.3 | 375.9 | 377.5 |
| 120° | 378.4 | 382.7 | 387.0 | 389.9 | 391.2 | 392.6 | 394.1 | 395.5 |
| 122.5° | 396.9 | 401.1 | 405.4 | 408.1 | 409.3 | 410.6 | 411.8 | 413.1 |
| 125° | 423.0 | 427.2 | 431.4 | 434.2 | 435.5 | 436.8 | 438.2 | 439.5 |
| 127.5° | 448.0 | 451.5 | 455.1 | 457.6 | 458.9 | 460.2 | 461.5 | 462.8 |
| 130° | 463.1 | 466.9 | 470.6 | 473.1 | 474.4 | 475.6 | 476.8 | 478.0 |
| 132.5° | 478.3 | 481.9 | 485.5 | 487.9 | 489.0 | 490.2 | 491.3 | 492.4 |
| 135° | 498.0 | 501.4 | 504.9 | 507.4 | 508.9 | 510.2 | 511.7 | 513.2 |
| 137.5° | 517.6 | 520.8 | 524.0 | 526.1 | 527.0 | 528.1 | 529.0 | 529.9 |
| 140° | 529.9 | 532.8 | 535.8 | 537.9 | 539.0 | 540.1 | 541.2 | 542.3 |
| 142.5° | 541.7 | 544.2 | 546.8 | 548.5 | 549.4 | 550.3 | 551.2 | 552.1 |
| 145° | 559.1 | 560.4 | 561.8 | 562.9 | 564.0 | 565.0 | 566.0 | 567.1 |
| 147.5° | 574.5 | 574.8 | 575.1 | 575.6 | 576.3 | 577.0 | 577.8 | 578.6 |
| 150° | 585.4 | 585.4 | 585.4 | 585.5 | 585.6 | 585.7 | 585.8 | 585.9 |
| 152.5° | 595.2 | 595.4 | 595.6 | 595.6 | 595.6 | 595.5 | 595.4 | 595.4 |
| 155° | 608.4 | 608.8 | 609.2 | 609.3 | 609.0 | 608.6 | 608.4 | 608.0 |
| 157.5° | 619.7 | 620.4 | 620.9 | 620.9 | 620.4 | 619.7 | 619.2 | 618.6 |
| 160° | 627.0 | 627.7 | 628.4 | 628.4 | 627.7 | 627.0 | 626.4 | 625.7 |
| 162.5° | 632.9 | 633.5 | 634.2 | 634.2 | 633.4 | 632.7 | 632.0 | 631.2 |
| 165° | 641.2 | 642.0 | 643.0 | 642.9 | 641.9 | 640.9 | 640.0 | 638.9 |
| 167.5° | 647.3 | 648.2 | 649.2 | 649.1 | 648.1 | 647.0 | 645.8 | 644.8 |
| 170° | 651.0 | 651.9 | 652.8 | 652.6 | 651.6 | 650.5 | 649.4 | 648.3 |
| 172.5° | 653.4 | 654.3 | 655.1 | 655.0 | 653.8 | 652.6 | 651.4 | 650.2 |
| 175° | 656.2 | 657.1 | 658.1 | 658.0 | 656.7 | 655.3 | 654.0 | 652.7 |
| 177.5° | 657.3 | 658.0 | 658.7 | 658.5 | 657.5 | 656.4 | 655.3 | 654.3 |
| 180° | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 | 656.7 |

(END OF REPORT)