

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: P332610-935

Luminaire Tested: **SA4XXDIP-C795D1035U935-4F0-1E-UDD-D**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332610-935  
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-C795D1035U935-4F0-1E-UDD-D  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

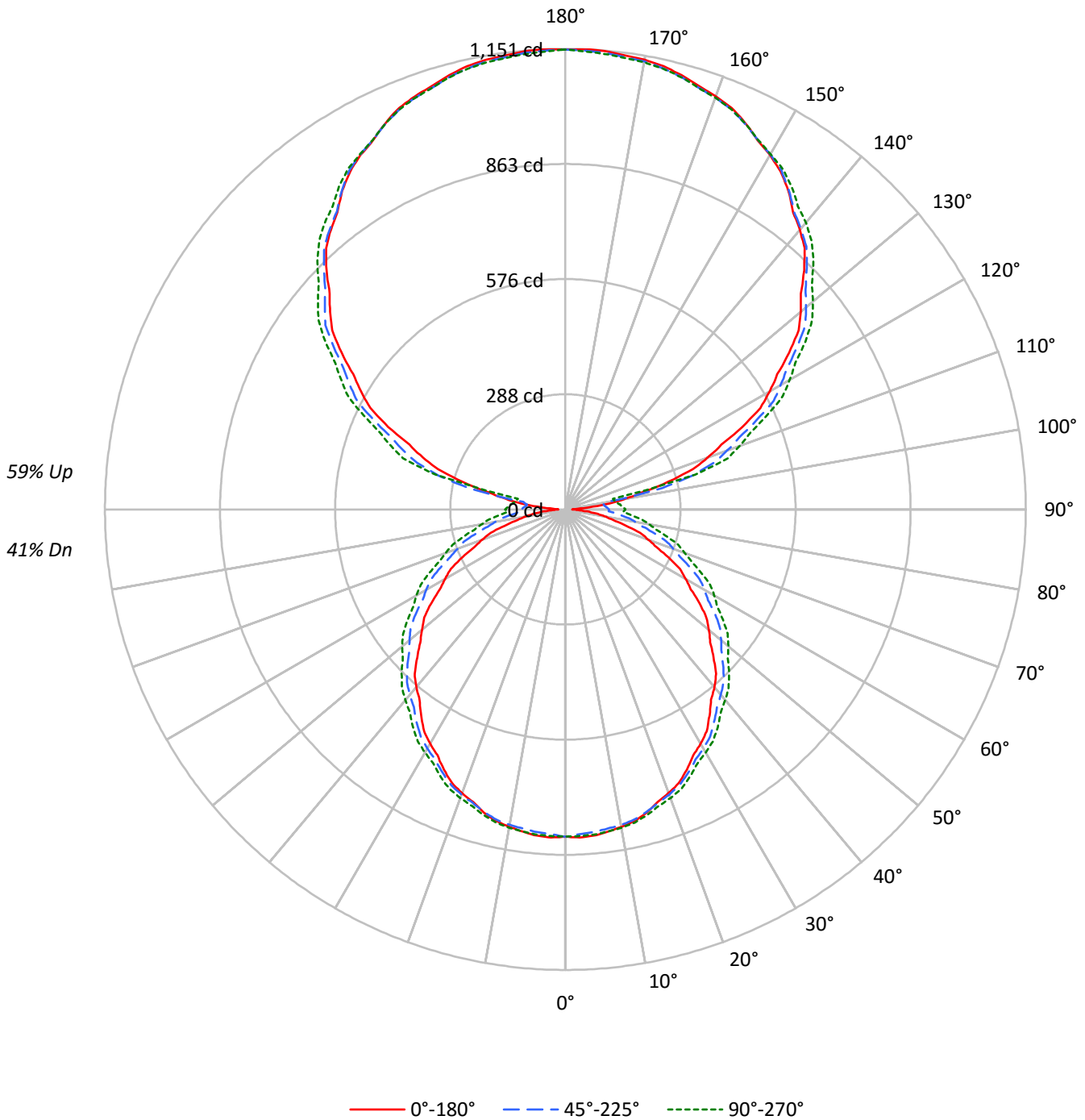
Lumens per Lamp: N/A  
Luminaire Lumens: 6345.9 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')  
CIE Type: General Diffuse

Input Watts (W): 52  
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: P332610-935  
CATALOG NUMBER: SA4XXDIP-C795D1035U935-4F0-1E-UDD-D

### Luminous Intensity Polar Plot





TEST NUMBER: P332610-935

CATALOG NUMBER: SA4XXDIP-C795D1035U935-4F0-1E-UDD-D

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|-----|----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|----|
| RF  | 20 |     |     |     |     |    |    |    |    | 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 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
| RCR | 0  | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 78 | 78 | 78 | 62 | 62 | 62 | 48 | 48 | 48 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|     | 1  | 95  | 90  | 86  | 82  | 86 | 82 | 79 | 75 | 67 | 65 | 62 | 53 | 52 | 50 | 41 | 40 | 38 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|     | 2  | 86  | 78  | 72  | 67  | 78 | 71 | 66 | 61 | 58 | 54 | 51 | 46 | 44 | 41 | 35 | 33 | 32 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|     | 3  | 78  | 68  | 61  | 55  | 71 | 62 | 56 | 51 | 51 | 46 | 42 | 41 | 37 | 34 | 31 | 29 | 27 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|     | 4  | 71  | 60  | 52  | 46  | 65 | 55 | 48 | 43 | 45 | 40 | 36 | 36 | 32 | 29 | 28 | 25 | 23 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|     | 5  | 65  | 54  | 45  | 39  | 59 | 49 | 42 | 36 | 40 | 35 | 31 | 32 | 28 | 25 | 25 | 22 | 20 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|     | 6  | 60  | 48  | 40  | 34  | 54 | 44 | 37 | 31 | 36 | 31 | 27 | 29 | 25 | 22 | 22 | 19 | 17 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|     | 7  | 55  | 43  | 35  | 29  | 50 | 40 | 32 | 27 | 33 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|     | 8  | 51  | 39  | 31  | 26  | 47 | 36 | 29 | 24 | 30 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 13 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|     | 9  | 48  | 36  | 28  | 23  | 43 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 12 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |
|     | 10 | 45  | 32  | 25  | 20  | 40 | 30 | 23 | 19 | 25 | 20 | 16 | 20 | 16 | 14 | 16 | 13 | 11 | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |    |

**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: P332610-935

CATALOG NUMBER: SA4XXDIP-C795D1035U935-4F0-1E-UDD-D

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 77.4   | 1.2       |
| 10°-20°   | 221.9  | 3.5       |
| 20°-30°   | 335.5  | 5.3       |
| 30°-40°   | 405.9  | 6.4       |
| 40°-50°   | 429.2  | 6.8       |
| 50°-60°   | 403.9  | 6.4       |
| 60°-70°   | 335.1  | 5.3       |
| 70°-80°   | 235.4  | 3.7       |
| 80°-90°   | 136.4  | 2.1       |
| 90°-100°  | 118.3  | 1.9       |
| 100°-110° | 309.1  | 4.9       |
| 110°-120° | 518.7  | 8.2       |
| 120°-130° | 630.7  | 9.9       |
| 130°-140° | 660.7  | 10.4      |
| 140°-150° | 610.8  | 9.6       |
| 150°-160° | 491.0  | 7.7       |
| 160°-170° | 316.7  | 5.0       |
| 170°-180° | 109.2  | 1.7       |
| 0°-30°    | 634.9  | 10.0      |
| 0°-40°    | 1040.8 | 16.4      |
| 0°-60°    | 1873.9 | 29.5      |
| 0°-90°    | 2580.8 | 40.7      |
| 90°-120°  | 946.1  | 14.9      |
| 90°-150°  | 2848.3 | 44.9      |
| 90°-180°  | 3765.0 | 59.3      |
| 0°-180°   | 6345.9 | 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°  | 17   | 63    | 110  | 140   | 150  | 12   |
| 95°  | 59   | 62    | 99   | 127   | 138  | 70   |
| 105° | 267  | 291   | 329  | 356   | 336  | 280  |
| 115° | 488  | 500   | 528  | 549   | 556  | 481  |
| 125° | 683  | 686   | 706  | 726   | 733  | 609  |
| 135° | 844  | 844   | 853  | 869   | 877  | 650  |
| 145° | 972  | 974   | 974  | 980   | 986  | 607  |
| 155° | 1065 | 1066  | 1063 | 1066  | 1064 | 491  |
| 165° | 1123 | 1119  | 1119 | 1125  | 1118 | 317  |
| 175° | 1149 | 1144  | 1145 | 1152  | 1142 | 109  |
| 180° | 1149 | 1149  | 1149 | 1149  | 1149 |      |



TEST NUMBER: P332610-935

CATALOG NUMBER: SA4XXDIP-C795D1035U935-4F0-1E-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°  | 27.6  | 36.3  | 45.0  | 53.8  | 62.5  | 71.5  | 80.7  | 89.9  | 99.2  | 108.4 | 114.5 |
| 90°    | 17.2  | 27.5  | 37.7  | 48.0  | 58.2  | 68.4  | 78.7  | 89.0  | 99.3  | 109.6 | 116.7 |
| 92.5°  | 24.7  | 32.2  | 39.6  | 47.1  | 54.5  | 63.4  | 73.6  | 83.9  | 94.2  | 104.5 | 111.4 |
| 95°    | 59.2  | 59.4  | 59.6  | 59.8  | 60.1  | 64.4  | 73.0  | 81.5  | 90.1  | 98.6  | 105.2 |
| 97.5°  | 111.2 | 121.1 | 130.9 | 140.7 | 150.5 | 148.9 | 135.9 | 122.8 | 109.8 | 96.7  | 102.1 |
| 100°   | 151.0 | 159.8 | 168.5 | 177.2 | 186.0 | 181.1 | 162.6 | 144.3 | 125.9 | 107.5 | 109.7 |
| 102.5° | 196.4 | 203.5 | 210.8 | 217.9 | 225.1 | 230.8 | 235.1 | 239.4 | 243.8 | 248.1 | 218.4 |
| 105°   | 267.0 | 272.2 | 277.4 | 282.6 | 287.8 | 294.6 | 303.2 | 311.7 | 320.1 | 328.6 | 335.4 |
| 107.5° | 334.0 | 337.9 | 341.8 | 345.7 | 349.7 | 355.8 | 364.2 | 372.6 | 381.1 | 389.5 | 395.4 |
| 110°   | 378.7 | 382.0 | 385.5 | 388.9 | 392.4 | 398.2 | 406.5 | 414.7 | 423.0 | 431.3 | 436.3 |



TEST NUMBER: P332610-935

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 421.9  | 425.5  | 429.0  | 432.6  | 436.1  | 441.6  | 448.9  | 456.2  | 463.6  | 470.9  | 475.4  |
| 115°   | 488.5  | 490.9  | 493.4  | 495.8  | 498.2  | 502.5  | 508.9  | 515.1  | 521.5  | 527.8  | 532.7  |
| 117.5° | 549.4  | 551.2  | 553.1  | 555.0  | 556.8  | 561.0  | 567.5  | 573.9  | 580.5  | 586.9  | 591.1  |
| 120°   | 589.9  | 591.2  | 592.6  | 594.0  | 595.4  | 598.9  | 604.7  | 610.4  | 616.0  | 621.8  | 626.2  |
| 122.5° | 628.4  | 629.0  | 629.6  | 630.2  | 630.8  | 634.0  | 639.8  | 645.7  | 651.5  | 657.3  | 661.6  |
| 125°   | 682.7  | 683.2  | 683.8  | 684.3  | 684.9  | 687.5  | 692.2  | 697.0  | 701.6  | 706.4  | 710.8  |
| 127.5° | 734.8  | 734.8  | 734.7  | 734.7  | 734.7  | 737.1  | 741.8  | 746.7  | 751.5  | 756.2  | 759.7  |
| 130°   | 767.8  | 767.7  | 767.7  | 767.7  | 767.7  | 769.6  | 773.4  | 777.2  | 781.1  | 784.9  | 788.8  |
| 132.5° | 798.7  | 798.8  | 798.9  | 799.1  | 799.2  | 801.0  | 804.3  | 807.6  | 811.0  | 814.2  | 817.9  |
| 135°   | 844.1  | 844.0  | 843.8  | 843.6  | 843.3  | 844.4  | 846.5  | 848.8  | 850.9  | 853.2  | 856.8  |
| 137.5° | 885.2  | 885.1  | 885.0  | 884.8  | 884.8  | 885.5  | 887.0  | 888.5  | 890.0  | 891.6  | 894.9  |
| 140°   | 912.1  | 912.2  | 912.4  | 912.6  | 912.7  | 913.2  | 913.7  | 914.3  | 914.9  | 915.5  | 918.7  |
| 142.5° | 935.4  | 936.0  | 936.7  | 937.3  | 938.0  | 938.3  | 938.5  | 938.6  | 938.7  | 938.7  | 941.5  |
| 145°   | 972.2  | 972.5  | 972.9  | 973.3  | 973.6  | 973.8  | 973.8  | 973.8  | 973.8  | 973.8  | 975.3  |
| 147.5° | 1001.5 | 1002.5 | 1003.3 | 1004.2 | 1005.0 | 1005.4 | 1005.1 | 1005.0 | 1004.8 | 1004.6 | 1004.9 |
| 150°   | 1022.9 | 1023.5 | 1024.0 | 1024.6 | 1025.1 | 1025.3 | 1025.1 | 1024.9 | 1024.8 | 1024.5 | 1024.5 |
| 152.5° | 1040.0 | 1040.6 | 1041.1 | 1041.7 | 1042.3 | 1042.4 | 1042.1 | 1041.7 | 1041.4 | 1041.0 | 1041.4 |
| 155°   | 1065.0 | 1065.1 | 1065.3 | 1065.5 | 1065.7 | 1065.5 | 1065.0 | 1064.4 | 1063.8 | 1063.2 | 1063.9 |
| 157.5° | 1086.1 | 1086.0 | 1085.8 | 1085.7 | 1085.6 | 1085.2 | 1084.6 | 1083.9 | 1083.3 | 1082.6 | 1083.7 |
| 160°   | 1098.5 | 1097.9 | 1097.3 | 1096.7 | 1096.1 | 1095.8 | 1095.6 | 1095.4 | 1095.2 | 1095.0 | 1096.1 |
| 162.5° | 1109.5 | 1108.7 | 1108.0 | 1107.2 | 1106.6 | 1106.1 | 1105.9 | 1105.7 | 1105.5 | 1105.4 | 1106.5 |
| 165°   | 1123.3 | 1122.4 | 1121.5 | 1120.5 | 1119.6 | 1119.0 | 1119.0 | 1119.0 | 1119.0 | 1119.0 | 1120.6 |
| 167.5° | 1134.4 | 1133.4 | 1132.4 | 1131.4 | 1130.4 | 1129.9 | 1129.7 | 1129.6 | 1129.5 | 1129.4 | 1131.1 |
| 170°   | 1140.6 | 1139.4 | 1138.2 | 1137.1 | 1136.0 | 1135.5 | 1135.7 | 1135.9 | 1136.1 | 1136.3 | 1137.8 |
| 172.5° | 1144.7 | 1143.6 | 1142.4 | 1141.3 | 1140.1 | 1139.6 | 1139.8 | 1140.1 | 1140.2 | 1140.4 | 1141.9 |
| 175°   | 1149.2 | 1148.1 | 1146.9 | 1145.7 | 1144.6 | 1144.1 | 1144.3 | 1144.5 | 1144.7 | 1144.9 | 1146.6 |
| 177.5° | 1151.2 | 1150.1 | 1149.1 | 1148.1 | 1146.9 | 1146.6 | 1146.9 | 1147.2 | 1147.5 | 1147.8 | 1149.0 |
| 180°   | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 |



TEST NUMBER: P332610-935

CATALOG NUMBER: SA4XXDIP-C795D1035U935-4F0-1E-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°  | 120.6 | 126.7 | 132.9 | 136.9 | 138.8 | 140.6 | 142.5 | 144.4 |
| 90°    | 123.6 | 130.7 | 137.8 | 142.3 | 144.3 | 146.3 | 148.4 | 150.3 |
| 92.5°  | 118.3 | 125.2 | 132.0 | 136.3 | 138.0 | 139.7 | 141.5 | 143.2 |
| 95°    | 111.8 | 118.5 | 125.2 | 129.5 | 131.5 | 133.5 | 135.5 | 137.6 |
| 97.5°  | 107.6 | 113.0 | 118.5 | 122.2 | 124.1 | 126.1 | 128.0 | 129.9 |
| 100°   | 111.9 | 114.2 | 116.4 | 118.3 | 119.9 | 121.6 | 123.2 | 124.8 |
| 102.5° | 188.7 | 159.0 | 129.3 | 115.3 | 116.9 | 118.6 | 120.2 | 121.8 |
| 105°   | 342.2 | 349.0 | 355.9 | 356.6 | 351.4 | 346.1 | 340.9 | 335.6 |
| 107.5° | 401.1 | 407.0 | 412.8 | 416.9 | 419.0 | 421.3 | 423.4 | 425.7 |
| 110°   | 441.3 | 446.4 | 451.5 | 455.1 | 457.4 | 459.5 | 461.8 | 463.9 |





TEST NUMBER: P332610-935

CATALOG NUMBER: SA4XXDIP-C795D1035U935-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 479.7  | 484.2  | 488.7  | 492.1  | 494.4  | 496.8  | 499.1  | 501.4  |
| 115°   | 537.5  | 542.3  | 547.3  | 550.4  | 551.8  | 553.3  | 554.7  | 556.1  |
| 117.5° | 595.3  | 599.4  | 603.6  | 606.4  | 608.0  | 609.5  | 611.1  | 612.6  |
| 120°   | 630.7  | 635.2  | 639.6  | 642.5  | 643.7  | 645.0  | 646.2  | 647.5  |
| 122.5° | 665.9  | 670.2  | 674.5  | 677.2  | 678.3  | 679.4  | 680.4  | 681.6  |
| 125°   | 715.2  | 719.7  | 724.1  | 727.0  | 728.5  | 729.9  | 731.3  | 732.7  |
| 127.5° | 763.4  | 766.9  | 770.4  | 772.8  | 774.0  | 775.2  | 776.5  | 777.7  |
| 130°   | 792.6  | 796.4  | 800.3  | 802.9  | 804.1  | 805.3  | 806.5  | 807.7  |
| 132.5° | 821.7  | 825.4  | 829.1  | 831.4  | 832.5  | 833.5  | 834.7  | 835.7  |
| 135°   | 860.4  | 864.0  | 867.7  | 870.3  | 871.9  | 873.5  | 875.1  | 876.8  |
| 137.5° | 898.4  | 901.7  | 905.1  | 907.2  | 908.2  | 909.0  | 910.0  | 910.9  |
| 140°   | 922.0  | 925.1  | 928.3  | 930.6  | 931.8  | 933.0  | 934.2  | 935.4  |
| 142.5° | 944.3  | 947.0  | 949.8  | 951.6  | 952.4  | 953.4  | 954.2  | 955.1  |
| 145°   | 976.6  | 978.1  | 979.5  | 980.8  | 982.0  | 983.2  | 984.4  | 985.6  |
| 147.5° | 1005.2 | 1005.6 | 1005.8 | 1006.4 | 1007.3 | 1008.1 | 1009.0 | 1009.8 |
| 150°   | 1024.5 | 1024.5 | 1024.5 | 1024.6 | 1024.8 | 1025.0 | 1025.2 | 1025.4 |
| 152.5° | 1041.6 | 1042.0 | 1042.2 | 1042.3 | 1042.2 | 1042.2 | 1042.0 | 1041.9 |
| 155°   | 1064.7 | 1065.5 | 1066.3 | 1066.3 | 1065.8 | 1065.2 | 1064.6 | 1064.1 |
| 157.5° | 1084.6 | 1085.6 | 1086.6 | 1086.6 | 1085.6 | 1084.6 | 1083.7 | 1082.6 |
| 160°   | 1097.3 | 1098.5 | 1099.6 | 1099.6 | 1098.5 | 1097.3 | 1096.1 | 1095.0 |
| 162.5° | 1107.6 | 1108.8 | 1109.9 | 1109.8 | 1108.5 | 1107.2 | 1106.0 | 1104.7 |
| 165°   | 1122.1 | 1123.7 | 1125.2 | 1125.1 | 1123.3 | 1121.6 | 1119.9 | 1118.2 |
| 167.5° | 1132.7 | 1134.5 | 1136.1 | 1136.0 | 1134.1 | 1132.2 | 1130.2 | 1128.3 |
| 170°   | 1139.4 | 1140.8 | 1142.4 | 1142.2 | 1140.3 | 1138.4 | 1136.4 | 1134.5 |
| 172.5° | 1143.5 | 1145.0 | 1146.5 | 1146.2 | 1144.2 | 1142.1 | 1140.1 | 1138.0 |
| 175°   | 1148.3 | 1150.0 | 1151.8 | 1151.4 | 1149.2 | 1146.9 | 1144.6 | 1142.3 |
| 177.5° | 1150.2 | 1151.4 | 1152.7 | 1152.4 | 1150.6 | 1148.7 | 1146.9 | 1145.0 |
| 180°   | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 |

(END OF REPORT)