

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: P332601-927

Luminaire Tested: **SA4XXDIP-C795D810U927-4F0-1E-UDD-D**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332601-927
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-C795D810U927-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

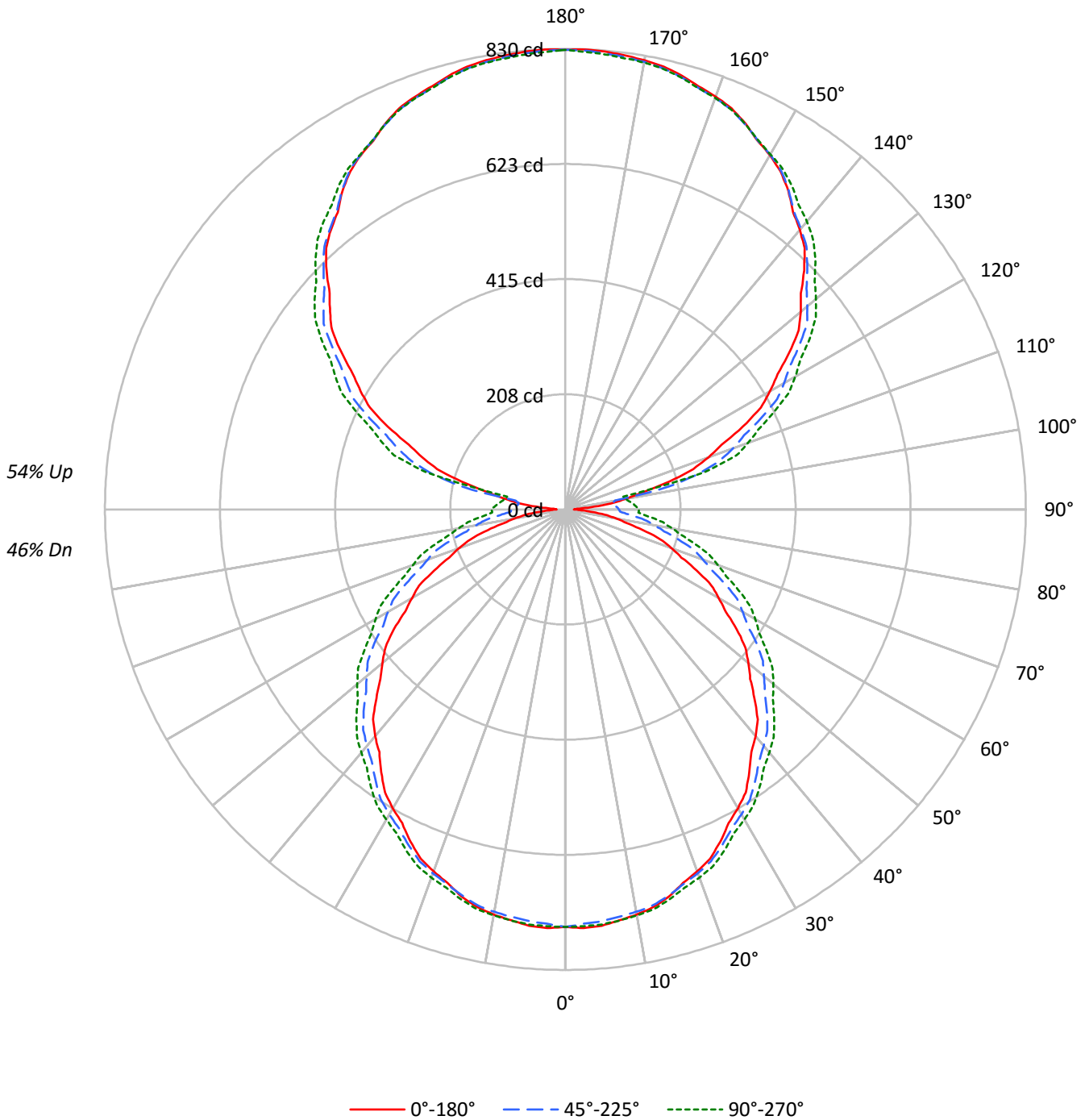
Lumens per Lamp: N/A
Luminaire Lumens: 5129.1 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: General Diffuse

Input Watts (W): 45.9
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: P332601-927
CATALOG NUMBER: SA4XXDIP-C795D810U927-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332601-927

CATALOG NUMBER: SA4XXDIP-C795D810U927-4F0-1E-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 | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 81 | 81 | 81 | 66 | 66 | 66 | 53 | 53 | 53 | 46 | | | | |
| 1 | 96 | 91 | 87 | 83 | 88 | 84 | 80 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 45 | 44 | 43 | 37 | | | | |
| 2 | 87 | 79 | 73 | 67 | 79 | 73 | 67 | 62 | 61 | 56 | 53 | 49 | 46 | 44 | 39 | 37 | 35 | 30 | | | | |
| 3 | 79 | 69 | 62 | 55 | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 40 | 37 | 34 | 32 | 29 | 25 | | | | |
| 4 | 72 | 61 | 53 | 47 | 66 | 56 | 49 | 43 | 47 | 41 | 37 | 38 | 34 | 31 | 30 | 28 | 25 | 21 | | | | |
| 5 | 66 | 54 | 46 | 40 | 60 | 50 | 43 | 37 | 42 | 36 | 32 | 34 | 30 | 27 | 27 | 24 | 22 | 18 | | | | |
| 6 | 61 | 48 | 40 | 34 | 55 | 45 | 37 | 32 | 38 | 32 | 28 | 31 | 27 | 23 | 25 | 21 | 19 | 16 | | | | |
| 7 | 56 | 44 | 36 | 30 | 51 | 40 | 33 | 28 | 34 | 28 | 24 | 28 | 24 | 20 | 22 | 19 | 17 | 14 | | | | |
| 8 | 52 | 40 | 32 | 26 | 48 | 37 | 30 | 25 | 31 | 25 | 21 | 26 | 21 | 18 | 21 | 17 | 15 | 12 | | | | |
| 9 | 48 | 36 | 28 | 23 | 44 | 33 | 27 | 22 | 28 | 23 | 19 | 24 | 19 | 16 | 19 | 16 | 13 | 11 | | | | |
| 10 | 45 | 33 | 26 | 21 | 41 | 31 | 24 | 20 | 26 | 21 | 17 | 22 | 18 | 15 | 18 | 14 | 12 | 10 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6075 | 6075 | 6075 |
| 5° | 6093 | 5937 | 5954 |
| 10° | 6056 | 5839 | 5835 |
| 15° | 6002 | 5727 | 5695 |
| 20° | 5920 | 5603 | 5561 |
| 25° | 5828 | 5464 | 5411 |
| 30° | 5728 | 5326 | 5258 |
| 35° | 5615 | 5184 | 5124 |
| 40° | 5525 | 5049 | 4984 |
| 45° | 5391 | 4925 | 4864 |
| 50° | 5277 | 4781 | 4738 |
| 55° | 5160 | 4647 | 4588 |
| 60° | 4976 | 4475 | 4453 |
| 65° | 4776 | 4290 | 4285 |
| 70° | 4532 | 4078 | 4091 |
| 75° | 4196 | 3847 | 3915 |
| 80° | 3817 | 3624 | 3742 |
| 85° | 3344 | 3427 | 3643 |



TEST NUMBER: P332601-927

CATALOG NUMBER: SA4XXDIP-C795D810U927-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.3 | 1.4 |
| 10°-20° | 204.2 | 4.0 |
| 20°-30° | 308.7 | 6.0 |
| 30°-40° | 373.5 | 7.3 |
| 40°-50° | 394.9 | 7.7 |
| 50°-60° | 371.6 | 7.2 |
| 60°-70° | 308.3 | 6.0 |
| 70°-80° | 216.6 | 4.2 |
| 80°-90° | 124.8 | 2.4 |
| 90°-100° | 101.0 | 2.0 |
| 100°-110° | 234.4 | 4.6 |
| 110°-120° | 381.6 | 7.4 |
| 120°-130° | 458.9 | 8.9 |
| 130°-140° | 478.0 | 9.3 |
| 140°-150° | 440.6 | 8.6 |
| 150°-160° | 353.9 | 6.9 |
| 160°-170° | 228.2 | 4.4 |
| 170°-180° | 78.7 | 1.5 |
| 0°-30° | 584.1 | 11.4 |
| 0°-40° | 957.6 | 18.7 |
| 0°-60° | 1724.1 | 33.6 |
| 0°-90° | 2373.8 | 46.3 |
| 90°-120° | 717.0 | 14.0 |
| 90°-150° | 2094.5 | 40.8 |
| 90°-180° | 2755.0 | 53.7 |
| 0°-180° | 5129.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 752 | 752 | 752 | 752 | 752 | |
| 5° | 753 | 751 | 745 | 751 | 751 | 71 |
| 15° | 722 | 723 | 720 | 728 | 727 | 203 |
| 25° | 661 | 666 | 668 | 677 | 678 | 304 |
| 35° | 578 | 588 | 597 | 608 | 611 | 362 |
| 45° | 482 | 498 | 514 | 528 | 532 | 372 |
| 55° | 378 | 396 | 420 | 437 | 442 | 336 |
| 65° | 261 | 288 | 317 | 337 | 345 | 259 |
| 75° | 145 | 176 | 212 | 234 | 243 | 154 |
| 85° | 45 | 80 | 118 | 142 | 152 | 48 |
| 90° | 15 | 56 | 97 | 124 | 133 | 11 |
| 95° | 45 | 53 | 87 | 112 | 122 | 52 |
| 105° | 194 | 215 | 249 | 273 | 260 | 204 |
| 115° | 353 | 364 | 389 | 408 | 415 | 348 |
| 125° | 493 | 495 | 514 | 531 | 538 | 440 |
| 135° | 609 | 609 | 616 | 631 | 638 | 469 |
| 145° | 701 | 702 | 702 | 707 | 712 | 438 |
| 155° | 768 | 768 | 766 | 768 | 767 | 354 |
| 165° | 810 | 807 | 806 | 811 | 806 | 229 |
| 175° | 828 | 825 | 825 | 830 | 823 | 79 |
| 180° | 828 | 828 | 828 | 828 | 828 | |



TEST NUMBER: P332601-927

CATALOG NUMBER: SA4XXDIP-C795D810U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 |
| 2.5° | 755.2 | 754.7 | 754.2 | 753.8 | 753.4 | 752.6 | 751.3 | 750.1 | 748.9 | 747.7 | 748.8 |
| 5° | 753.3 | 752.7 | 752.2 | 751.6 | 751.1 | 750.1 | 748.8 | 747.5 | 746.2 | 744.9 | 746.4 |
| 7.5° | 746.9 | 746.6 | 746.2 | 745.9 | 745.5 | 744.8 | 743.8 | 742.7 | 741.6 | 740.5 | 742.2 |
| 10° | 741.5 | 741.3 | 741.2 | 740.9 | 740.8 | 740.2 | 739.3 | 738.3 | 737.4 | 736.4 | 738.2 |
| 12.5° | 734.1 | 734.0 | 734.0 | 734.0 | 734.0 | 733.6 | 733.0 | 732.3 | 731.7 | 731.0 | 732.6 |
| 15° | 722.2 | 722.3 | 722.5 | 722.7 | 722.9 | 722.7 | 722.2 | 721.6 | 721.0 | 720.4 | 722.2 |
| 17.5° | 705.8 | 706.3 | 706.9 | 707.5 | 708.1 | 708.2 | 708.1 | 708.1 | 707.9 | 707.8 | 709.6 |
| 20° | 694.3 | 694.9 | 695.5 | 696.0 | 696.6 | 697.0 | 697.1 | 697.3 | 697.5 | 697.7 | 699.6 |
| 22.5° | 681.5 | 682.2 | 682.9 | 683.7 | 684.4 | 684.9 | 685.2 | 685.6 | 685.9 | 686.3 | 688.1 |
| 25° | 660.6 | 661.7 | 662.9 | 664.0 | 665.1 | 666.0 | 666.5 | 667.1 | 667.7 | 668.2 | 670.3 |
| 27.5° | 637.4 | 639.0 | 640.6 | 642.3 | 644.0 | 645.2 | 646.1 | 646.9 | 647.8 | 648.6 | 650.5 |
| 30° | 621.9 | 623.4 | 624.9 | 626.4 | 627.9 | 629.2 | 630.6 | 631.8 | 633.2 | 634.5 | 636.5 |
| 32.5° | 605.0 | 606.8 | 608.6 | 610.4 | 612.2 | 613.8 | 615.3 | 616.7 | 618.2 | 619.6 | 622.0 |
| 35° | 578.1 | 580.3 | 582.6 | 584.8 | 587.0 | 589.1 | 591.0 | 592.9 | 594.7 | 596.6 | 599.2 |
| 37.5° | 550.9 | 553.5 | 556.1 | 558.6 | 561.3 | 563.7 | 566.0 | 568.3 | 570.7 | 573.0 | 575.7 |
| 40° | 533.4 | 535.8 | 538.2 | 540.7 | 543.1 | 545.7 | 548.3 | 550.9 | 553.5 | 556.1 | 559.0 |
| 42.5° | 513.2 | 515.9 | 518.6 | 521.3 | 524.1 | 527.0 | 530.0 | 533.1 | 536.2 | 539.2 | 542.4 |
| 45° | 482.0 | 485.5 | 489.1 | 492.7 | 496.2 | 499.8 | 503.4 | 506.9 | 510.4 | 514.0 | 517.2 |
| 47.5° | 452.2 | 455.8 | 459.5 | 463.2 | 466.8 | 470.7 | 474.8 | 479.0 | 483.1 | 487.2 | 490.5 |
| 50° | 430.6 | 434.7 | 438.8 | 442.9 | 447.0 | 451.1 | 455.3 | 459.4 | 463.5 | 467.6 | 471.4 |
| 52.5° | 409.0 | 413.1 | 417.2 | 421.4 | 425.5 | 429.9 | 434.6 | 439.3 | 444.1 | 448.8 | 452.5 |
| 55° | 377.5 | 381.4 | 385.4 | 389.3 | 393.2 | 398.0 | 403.6 | 409.2 | 414.9 | 420.5 | 424.2 |
| 57.5° | 342.3 | 347.1 | 352.0 | 356.9 | 361.7 | 366.9 | 372.6 | 378.1 | 383.7 | 389.3 | 393.7 |
| 60° | 319.3 | 324.2 | 329.1 | 334.0 | 338.8 | 344.4 | 350.5 | 356.7 | 362.9 | 369.1 | 373.4 |
| 62.5° | 297.1 | 302.5 | 307.8 | 313.1 | 318.4 | 324.2 | 330.3 | 336.5 | 342.7 | 348.9 | 353.2 |
| 65° | 261.2 | 267.2 | 273.2 | 279.2 | 285.2 | 291.4 | 297.7 | 304.1 | 310.5 | 316.8 | 321.5 |
| 67.5° | 226.6 | 233.1 | 239.4 | 245.7 | 252.2 | 258.7 | 265.5 | 272.4 | 279.2 | 286.0 | 290.7 |
| 70° | 203.0 | 209.5 | 215.8 | 222.2 | 228.5 | 235.3 | 242.4 | 249.5 | 256.6 | 263.7 | 268.8 |
| 72.5° | 180.1 | 186.6 | 193.2 | 199.7 | 206.2 | 213.3 | 220.9 | 228.4 | 236.0 | 243.5 | 248.4 |
| 75° | 145.0 | 151.9 | 158.8 | 165.7 | 172.6 | 180.1 | 187.9 | 195.7 | 203.7 | 211.5 | 216.7 |
| 77.5° | 112.1 | 119.4 | 126.7 | 134.1 | 141.4 | 149.2 | 157.5 | 165.7 | 174.0 | 182.2 | 187.5 |
| 80° | 91.8 | 99.3 | 106.8 | 114.3 | 121.8 | 129.7 | 137.9 | 146.2 | 154.4 | 162.6 | 168.3 |
| 82.5° | 71.6 | 79.4 | 87.2 | 95.0 | 102.7 | 110.8 | 119.1 | 127.3 | 135.5 | 143.8 | 149.5 |
| 85° | 44.7 | 52.5 | 60.4 | 68.3 | 76.1 | 84.3 | 92.7 | 101.1 | 109.6 | 118.0 | 123.6 |
| 87.5° | 25.3 | 33.3 | 41.2 | 49.1 | 57.1 | 65.3 | 73.7 | 82.1 | 90.5 | 98.9 | 104.6 |
| 90° | 15.4 | 24.3 | 33.4 | 42.4 | 51.3 | 60.4 | 69.6 | 78.7 | 87.9 | 97.0 | 103.3 |
| 92.5° | 20.6 | 27.4 | 34.2 | 41.1 | 47.9 | 55.9 | 65.0 | 74.2 | 83.3 | 92.5 | 98.6 |
| 95° | 45.0 | 46.5 | 48.0 | 49.5 | 51.0 | 55.7 | 63.5 | 71.3 | 79.1 | 86.9 | 92.8 |
| 97.5° | 82.3 | 90.5 | 98.8 | 107.0 | 115.3 | 115.5 | 107.7 | 100.0 | 92.2 | 84.4 | 89.4 |
| 100° | 110.8 | 118.2 | 125.6 | 132.9 | 140.2 | 138.1 | 126.4 | 114.7 | 103.0 | 91.3 | 94.0 |
| 102.5° | 143.5 | 149.6 | 155.7 | 161.8 | 167.9 | 173.3 | 177.9 | 182.6 | 187.3 | 191.9 | 171.7 |
| 105° | 194.0 | 198.6 | 203.2 | 207.7 | 212.3 | 218.4 | 226.0 | 233.6 | 241.2 | 248.9 | 254.8 |
| 107.5° | 242.3 | 245.8 | 249.2 | 252.7 | 256.2 | 261.7 | 269.2 | 276.7 | 284.2 | 291.7 | 296.9 |
| 110° | 274.3 | 277.3 | 280.4 | 283.4 | 286.5 | 291.7 | 299.0 | 306.4 | 313.8 | 321.2 | 325.7 |



TEST NUMBER: P332601-927

CATALOG NUMBER: SA4XXDIP-C795D810U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 305.4 | 308.4 | 311.5 | 314.6 | 317.6 | 322.5 | 329.2 | 335.7 | 342.4 | 349.0 | 353.2 |
| 115° | 353.2 | 355.3 | 357.4 | 359.5 | 361.6 | 365.5 | 371.4 | 377.2 | 383.1 | 389.0 | 393.3 |
| 117.5° | 397.0 | 398.5 | 400.1 | 401.6 | 403.2 | 406.9 | 412.8 | 418.7 | 424.6 | 430.5 | 434.3 |
| 120° | 426.0 | 427.1 | 428.3 | 429.4 | 430.5 | 433.6 | 438.9 | 444.3 | 449.6 | 454.9 | 458.8 |
| 122.5° | 453.8 | 454.2 | 454.6 | 455.1 | 455.6 | 458.4 | 463.7 | 469.1 | 474.4 | 479.7 | 483.6 |
| 125° | 492.7 | 493.1 | 493.5 | 493.8 | 494.2 | 496.5 | 501.0 | 505.3 | 509.8 | 514.1 | 518.2 |
| 127.5° | 530.2 | 530.1 | 530.0 | 530.0 | 530.0 | 532.1 | 536.3 | 540.5 | 544.8 | 549.0 | 552.3 |
| 130° | 553.8 | 553.7 | 553.7 | 553.7 | 553.6 | 555.2 | 558.6 | 562.1 | 565.5 | 568.9 | 572.4 |
| 132.5° | 576.1 | 576.2 | 576.2 | 576.3 | 576.3 | 577.8 | 580.7 | 583.7 | 586.6 | 589.5 | 592.9 |
| 135° | 608.7 | 608.6 | 608.4 | 608.3 | 608.2 | 609.0 | 610.9 | 612.8 | 614.6 | 616.5 | 619.7 |
| 137.5° | 638.3 | 638.2 | 638.0 | 637.9 | 637.8 | 638.3 | 639.6 | 640.8 | 642.1 | 643.3 | 646.3 |
| 140° | 657.6 | 657.7 | 657.8 | 657.9 | 658.0 | 658.2 | 658.7 | 659.2 | 659.7 | 660.1 | 663.0 |
| 142.5° | 674.3 | 674.8 | 675.2 | 675.7 | 676.1 | 676.4 | 676.4 | 676.5 | 676.5 | 676.6 | 679.1 |
| 145° | 700.8 | 701.0 | 701.2 | 701.5 | 701.6 | 701.8 | 701.8 | 701.8 | 701.8 | 701.8 | 703.1 |
| 147.5° | 721.9 | 722.5 | 723.1 | 723.7 | 724.3 | 724.5 | 724.4 | 724.2 | 724.1 | 724.0 | 724.2 |
| 150° | 737.3 | 737.7 | 738.0 | 738.4 | 738.8 | 738.9 | 738.7 | 738.6 | 738.5 | 738.3 | 738.3 |
| 152.5° | 749.5 | 750.0 | 750.4 | 750.8 | 751.1 | 751.2 | 751.0 | 750.8 | 750.4 | 750.2 | 750.4 |
| 155° | 767.5 | 767.5 | 767.7 | 767.9 | 768.0 | 767.9 | 767.5 | 767.0 | 766.6 | 766.2 | 766.8 |
| 157.5° | 782.7 | 782.6 | 782.5 | 782.4 | 782.4 | 782.0 | 781.6 | 781.2 | 780.7 | 780.2 | 780.9 |
| 160° | 791.6 | 791.2 | 790.8 | 790.4 | 790.0 | 789.6 | 789.6 | 789.4 | 789.3 | 789.1 | 790.0 |
| 162.5° | 799.5 | 799.0 | 798.4 | 798.0 | 797.4 | 797.1 | 796.9 | 796.9 | 796.7 | 796.5 | 797.4 |
| 165° | 809.5 | 808.9 | 808.2 | 807.5 | 806.8 | 806.4 | 806.4 | 806.4 | 806.4 | 806.4 | 807.6 |
| 167.5° | 817.5 | 816.7 | 816.0 | 815.3 | 814.6 | 814.2 | 814.1 | 814.0 | 814.0 | 813.9 | 815.1 |
| 170° | 822.0 | 821.1 | 820.3 | 819.4 | 818.6 | 818.3 | 818.4 | 818.6 | 818.7 | 818.9 | 819.9 |
| 172.5° | 824.9 | 824.1 | 823.2 | 822.4 | 821.7 | 821.3 | 821.4 | 821.6 | 821.7 | 821.8 | 822.9 |
| 175° | 828.1 | 827.3 | 826.5 | 825.7 | 824.8 | 824.5 | 824.7 | 824.7 | 824.9 | 825.1 | 826.2 |
| 177.5° | 829.7 | 828.9 | 828.1 | 827.3 | 826.6 | 826.2 | 826.5 | 826.7 | 827.0 | 827.1 | 828.0 |
| 180° | 828.1 | 828.1 | 828.1 | 828.1 | 828.1 | 828.1 | 828.1 | 828.1 | 828.1 | 828.1 | 828.1 |



TEST NUMBER: P332601-927

CATALOG NUMBER: SA4XXDIP-C795D810U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 |
| 2.5° | 749.8 | 750.9 | 751.9 | 752.4 | 752.3 | 752.1 | 751.9 | 751.8 |
| 5° | 747.9 | 749.4 | 750.8 | 751.5 | 751.3 | 751.1 | 751.0 | 750.8 |
| 7.5° | 743.9 | 745.5 | 747.3 | 748.0 | 747.8 | 747.6 | 747.4 | 747.3 |
| 10° | 739.8 | 741.5 | 743.2 | 743.9 | 743.8 | 743.5 | 743.4 | 743.2 |
| 12.5° | 734.1 | 735.7 | 737.2 | 737.9 | 737.9 | 737.8 | 737.8 | 737.8 |
| 15° | 723.8 | 725.5 | 727.1 | 727.9 | 727.8 | 727.5 | 727.4 | 727.1 |
| 17.5° | 711.2 | 713.0 | 714.7 | 715.5 | 715.3 | 715.2 | 715.0 | 714.9 |
| 20° | 701.4 | 703.3 | 705.2 | 706.2 | 706.2 | 706.2 | 706.2 | 706.2 |
| 22.5° | 690.0 | 691.8 | 693.7 | 694.8 | 695.1 | 695.4 | 695.7 | 696.0 |
| 25° | 672.3 | 674.4 | 676.4 | 677.6 | 677.7 | 677.9 | 678.1 | 678.3 |
| 27.5° | 652.4 | 654.3 | 656.3 | 657.4 | 657.6 | 657.8 | 658.1 | 658.2 |
| 30° | 638.6 | 640.6 | 642.7 | 644.0 | 644.4 | 644.7 | 645.1 | 645.5 |
| 32.5° | 624.4 | 626.8 | 629.1 | 630.5 | 630.8 | 631.2 | 631.6 | 632.0 |
| 35° | 601.8 | 604.4 | 607.0 | 608.6 | 609.2 | 609.7 | 610.4 | 610.9 |
| 37.5° | 578.3 | 581.0 | 583.6 | 585.3 | 585.8 | 586.5 | 587.0 | 587.6 |
| 40° | 561.7 | 564.6 | 567.4 | 569.1 | 569.9 | 570.6 | 571.4 | 572.1 |
| 42.5° | 545.5 | 548.6 | 551.7 | 553.6 | 554.1 | 554.8 | 555.4 | 556.0 |
| 45° | 520.4 | 523.6 | 526.7 | 528.8 | 529.7 | 530.7 | 531.6 | 532.5 |
| 47.5° | 493.8 | 497.1 | 500.4 | 502.6 | 503.7 | 504.9 | 506.0 | 507.1 |
| 50° | 475.2 | 478.9 | 482.6 | 485.1 | 486.2 | 487.4 | 488.5 | 489.6 |
| 52.5° | 456.3 | 460.0 | 463.7 | 466.2 | 467.3 | 468.4 | 469.5 | 470.7 |
| 55° | 427.9 | 431.7 | 435.5 | 437.9 | 439.0 | 440.1 | 441.2 | 442.4 |
| 57.5° | 398.2 | 402.7 | 407.1 | 409.9 | 410.9 | 411.9 | 413.0 | 414.1 |
| 60° | 377.7 | 382.0 | 386.3 | 389.2 | 390.7 | 392.2 | 393.7 | 395.2 |
| 62.5° | 357.4 | 361.8 | 366.1 | 369.0 | 370.5 | 372.0 | 373.4 | 374.9 |
| 65° | 326.2 | 330.9 | 335.6 | 338.7 | 340.2 | 341.7 | 343.1 | 344.6 |
| 67.5° | 295.5 | 300.2 | 305.0 | 308.1 | 309.6 | 311.0 | 312.5 | 313.9 |
| 70° | 273.9 | 278.9 | 284.0 | 287.2 | 288.4 | 289.8 | 291.0 | 292.4 |
| 72.5° | 253.3 | 258.3 | 263.2 | 266.3 | 267.8 | 269.3 | 270.7 | 272.2 |
| 75° | 222.0 | 227.2 | 232.5 | 235.9 | 237.7 | 239.3 | 241.0 | 242.6 |
| 77.5° | 192.8 | 198.1 | 203.4 | 207.0 | 208.8 | 210.6 | 212.4 | 214.2 |
| 80° | 173.9 | 179.5 | 185.1 | 188.6 | 190.1 | 191.6 | 193.1 | 194.6 |
| 82.5° | 155.3 | 161.1 | 166.8 | 170.6 | 172.1 | 173.8 | 175.5 | 177.1 |
| 85° | 129.2 | 134.8 | 140.5 | 144.2 | 146.1 | 147.9 | 149.8 | 151.7 |
| 87.5° | 110.1 | 115.7 | 121.4 | 125.0 | 126.7 | 128.4 | 130.1 | 131.8 |
| 90° | 109.6 | 115.8 | 122.1 | 126.1 | 127.9 | 129.6 | 131.4 | 133.2 |
| 92.5° | 104.7 | 110.8 | 116.9 | 120.7 | 122.3 | 123.9 | 125.4 | 127.0 |
| 95° | 98.7 | 104.6 | 110.4 | 114.3 | 116.1 | 118.0 | 119.8 | 121.6 |
| 97.5° | 94.4 | 99.4 | 104.4 | 107.7 | 109.5 | 111.2 | 113.0 | 114.8 |
| 100° | 96.7 | 99.4 | 102.2 | 104.3 | 105.7 | 107.1 | 108.6 | 110.0 |
| 102.5° | 151.3 | 130.9 | 110.7 | 101.2 | 102.7 | 104.2 | 105.7 | 107.2 |
| 105° | 260.7 | 266.6 | 272.5 | 273.8 | 270.3 | 266.9 | 263.4 | 259.9 |
| 107.5° | 302.1 | 307.3 | 312.5 | 316.1 | 317.9 | 319.8 | 321.7 | 323.5 |
| 110° | 330.3 | 334.9 | 339.5 | 342.8 | 344.7 | 346.6 | 348.5 | 350.4 |



TEST NUMBER: P332601-927

CATALOG NUMBER: SA4XXDIP-C795D810U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 357.3 | 361.3 | 365.4 | 368.5 | 370.5 | 372.6 | 374.5 | 376.6 |
| 115° | 397.8 | 402.1 | 406.5 | 409.4 | 410.7 | 412.0 | 413.3 | 414.6 |
| 117.5° | 438.2 | 442.0 | 445.8 | 448.5 | 449.9 | 451.4 | 452.8 | 454.2 |
| 120° | 462.9 | 466.9 | 471.0 | 473.6 | 474.8 | 476.0 | 477.2 | 478.5 |
| 122.5° | 487.5 | 491.5 | 495.4 | 497.9 | 498.9 | 500.0 | 501.1 | 502.2 |
| 125° | 522.1 | 526.1 | 530.0 | 532.7 | 533.9 | 535.2 | 536.5 | 537.7 |
| 127.5° | 555.6 | 558.9 | 562.1 | 564.4 | 565.5 | 566.7 | 567.8 | 569.0 |
| 130° | 575.9 | 579.4 | 583.0 | 585.3 | 586.4 | 587.5 | 588.6 | 589.8 |
| 132.5° | 596.2 | 599.6 | 602.9 | 605.1 | 606.1 | 607.1 | 608.2 | 609.2 |
| 135° | 623.0 | 626.3 | 629.5 | 631.8 | 633.3 | 634.7 | 636.0 | 637.5 |
| 137.5° | 649.4 | 652.4 | 655.5 | 657.4 | 658.2 | 659.1 | 660.0 | 660.8 |
| 140° | 665.8 | 668.7 | 671.5 | 673.4 | 674.5 | 675.6 | 676.7 | 677.8 |
| 142.5° | 681.4 | 683.9 | 686.3 | 688.0 | 688.8 | 689.6 | 690.4 | 691.3 |
| 145° | 704.3 | 705.6 | 706.9 | 708.0 | 709.0 | 710.0 | 711.1 | 712.1 |
| 147.5° | 724.5 | 724.8 | 725.0 | 725.5 | 726.2 | 727.0 | 727.7 | 728.4 |
| 150° | 738.3 | 738.3 | 738.3 | 738.4 | 738.6 | 738.6 | 738.8 | 738.9 |
| 152.5° | 750.7 | 750.9 | 751.1 | 751.1 | 751.1 | 751.0 | 750.9 | 750.8 |
| 155° | 767.3 | 767.9 | 768.4 | 768.5 | 768.0 | 767.6 | 767.2 | 766.8 |
| 157.5° | 781.6 | 782.4 | 783.1 | 783.1 | 782.4 | 781.6 | 780.9 | 780.2 |
| 160° | 790.8 | 791.6 | 792.4 | 792.4 | 791.6 | 790.8 | 790.0 | 789.1 |
| 162.5° | 798.2 | 799.0 | 799.9 | 799.8 | 798.8 | 797.9 | 797.0 | 796.1 |
| 165° | 808.7 | 809.8 | 810.9 | 810.8 | 809.5 | 808.3 | 807.1 | 805.8 |
| 167.5° | 816.3 | 817.5 | 818.7 | 818.6 | 817.3 | 815.9 | 814.5 | 813.2 |
| 170° | 821.0 | 822.1 | 823.2 | 823.1 | 821.7 | 820.4 | 819.0 | 817.6 |
| 172.5° | 824.0 | 825.1 | 826.2 | 826.0 | 824.6 | 823.1 | 821.6 | 820.1 |
| 175° | 827.5 | 828.8 | 830.0 | 829.8 | 828.1 | 826.5 | 824.8 | 823.2 |
| 177.5° | 828.9 | 829.8 | 830.7 | 830.4 | 829.1 | 827.8 | 826.5 | 825.1 |
| 180° | 828.1 | 828.1 | 828.1 | 828.1 | 828.1 | 828.1 | 828.1 | 828.1 |

(END OF REPORT)