

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: P332602-940

Luminaire Tested: **SA4XXDIP-C795D810U940-4F0-1E-UDD-D1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332602-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D810U940-4F0-1E-UDD-D1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5390.8 lumens
Efficiency: N/A
Efficacy: 117.4 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

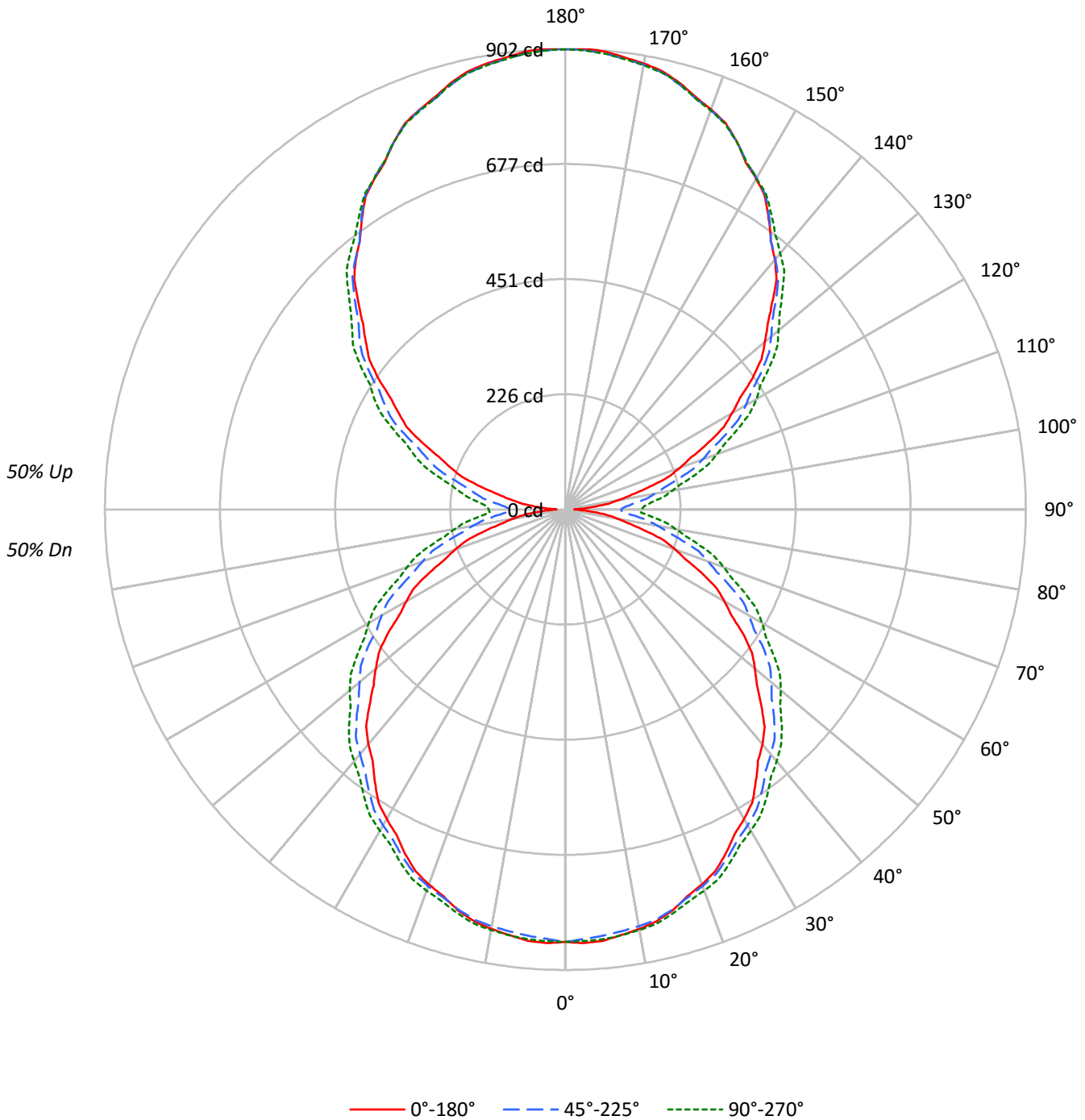
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332602-940

CATALOG NUMBER: SA4XXDIP-C795D810U940-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P332602-940

CATALOG NUMBER: SA4XXDIP-C795D810U940-4F0-1E-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 | | | | |
| 1 | 97 | 92 | 88 | 84 | 89 | 85 | 81 | 78 | 71 | 69 | 66 | 59 | 57 | 55 | 48 | 46 | 45 | 40 | | | | |
| 2 | 88 | 80 | 73 | 68 | 80 | 73 | 68 | 63 | 62 | 58 | 54 | 51 | 48 | 45 | 41 | 39 | 37 | 32 | | | | |
| 3 | 80 | 70 | 62 | 56 | 73 | 64 | 58 | 52 | 54 | 49 | 45 | 45 | 41 | 38 | 36 | 33 | 31 | 27 | | | | |
| 4 | 73 | 61 | 53 | 47 | 67 | 57 | 49 | 44 | 48 | 42 | 38 | 40 | 36 | 32 | 32 | 29 | 27 | 23 | | | | |
| 5 | 67 | 55 | 46 | 40 | 61 | 50 | 43 | 37 | 43 | 37 | 32 | 36 | 31 | 28 | 29 | 26 | 23 | 20 | | | | |
| 6 | 61 | 49 | 40 | 34 | 56 | 45 | 38 | 32 | 38 | 33 | 28 | 32 | 28 | 24 | 26 | 23 | 20 | 17 | | | | |
| 7 | 57 | 44 | 36 | 30 | 52 | 41 | 33 | 28 | 35 | 29 | 25 | 29 | 25 | 21 | 24 | 20 | 18 | 15 | | | | |
| 8 | 52 | 40 | 32 | 26 | 48 | 37 | 30 | 25 | 32 | 26 | 22 | 27 | 22 | 19 | 22 | 18 | 16 | 13 | | | | |
| 9 | 49 | 36 | 29 | 23 | 45 | 34 | 27 | 22 | 29 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 14 | 12 | | | | |
| 10 | 46 | 33 | 26 | 21 | 42 | 31 | 24 | 20 | 27 | 21 | 17 | 23 | 18 | 15 | 19 | 15 | 13 | 11 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6838 | 6838 | 6838 |
| 5° | 6859 | 6683 | 6702 |
| 10° | 6817 | 6573 | 6568 |
| 15° | 6756 | 6446 | 6411 |
| 20° | 6664 | 6307 | 6259 |
| 25° | 6560 | 6151 | 6092 |
| 30° | 6448 | 5995 | 5919 |
| 35° | 6321 | 5835 | 5768 |
| 40° | 6219 | 5684 | 5610 |
| 45° | 6067 | 5543 | 5475 |
| 50° | 5939 | 5383 | 5333 |
| 55° | 5808 | 5231 | 5164 |
| 60° | 5601 | 5036 | 5013 |
| 65° | 5376 | 4829 | 4824 |
| 70° | 5101 | 4592 | 4605 |
| 75° | 4723 | 4331 | 4407 |
| 80° | 4295 | 4081 | 4213 |
| 85° | 3763 | 3857 | 4101 |



TEST NUMBER: P332602-940

CATALOG NUMBER: SA4XXDIP-C795D810U940-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 80.2 | 1.5 |
| 10°-20° | 229.8 | 4.3 |
| 20°-30° | 347.5 | 6.4 |
| 30°-40° | 420.4 | 7.8 |
| 40°-50° | 444.5 | 8.2 |
| 50°-60° | 418.3 | 7.8 |
| 60°-70° | 347.1 | 6.4 |
| 70°-80° | 243.8 | 4.5 |
| 80°-90° | 140.5 | 2.6 |
| 90°-100° | 141.3 | 2.6 |
| 100°-110° | 236.7 | 4.4 |
| 110°-120° | 339.6 | 6.3 |
| 120°-130° | 417.1 | 7.7 |
| 130°-140° | 452.6 | 8.4 |
| 140°-150° | 437.0 | 8.1 |
| 150°-160° | 365.9 | 6.8 |
| 160°-170° | 243.4 | 4.5 |
| 170°-180° | 85.2 | 1.6 |
| 0°-30° | 657.5 | 12.2 |
| 0°-40° | 1077.9 | 20.0 |
| 0°-60° | 1940.7 | 36.0 |
| 0°-90° | 2672.1 | 49.6 |
| 90°-120° | 717.5 | 13.3 |
| 90°-150° | 2024.2 | 37.5 |
| 90°-180° | 2719.0 | 50.4 |
| 0°-180° | 5390.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 847 | 847 | 847 | 847 | 847 | |
| 5° | 848 | 845 | 838 | 846 | 845 | 80 |
| 15° | 813 | 814 | 811 | 819 | 818 | 229 |
| 25° | 744 | 749 | 752 | 762 | 764 | 342 |
| 35° | 651 | 662 | 672 | 684 | 688 | 407 |
| 45° | 542 | 561 | 578 | 594 | 599 | 419 |
| 55° | 425 | 445 | 473 | 492 | 498 | 378 |
| 65° | 294 | 324 | 357 | 379 | 388 | 291 |
| 75° | 163 | 198 | 238 | 264 | 273 | 174 |
| 85° | 50 | 90 | 133 | 160 | 171 | 54 |
| 90° | 17 | 63 | 109 | 140 | 150 | 13 |
| 95° | 54 | 92 | 136 | 162 | 172 | 56 |
| 105° | 171 | 192 | 228 | 253 | 264 | 182 |
| 115° | 310 | 319 | 347 | 366 | 373 | 306 |
| 125° | 446 | 447 | 468 | 484 | 490 | 398 |
| 135° | 573 | 577 | 584 | 597 | 601 | 443 |
| 145° | 695 | 696 | 697 | 702 | 704 | 435 |
| 155° | 795 | 795 | 794 | 796 | 794 | 366 |
| 165° | 865 | 863 | 862 | 865 | 863 | 244 |
| 175° | 900 | 897 | 896 | 900 | 896 | 85 |
| 180° | 901 | 901 | 901 | 901 | 901 | |



TEST NUMBER: P332602-940

CATALOG NUMBER: SA4XXDIP-C795D810U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 |
| 2.5° | 850.1 | 849.5 | 849.0 | 848.6 | 848.0 | 847.1 | 845.7 | 844.4 | 843.0 | 841.7 | 842.8 |
| 5° | 847.9 | 847.3 | 846.7 | 846.1 | 845.4 | 844.4 | 842.8 | 841.4 | 839.9 | 838.5 | 840.2 |
| 7.5° | 840.7 | 840.3 | 840.0 | 839.6 | 839.2 | 838.4 | 837.2 | 836.0 | 834.7 | 833.6 | 835.4 |
| 10° | 834.6 | 834.5 | 834.3 | 834.0 | 833.8 | 833.2 | 832.1 | 831.1 | 830.0 | 828.9 | 830.9 |
| 12.5° | 826.3 | 826.3 | 826.3 | 826.2 | 826.2 | 825.8 | 825.1 | 824.3 | 823.6 | 822.9 | 824.7 |
| 15° | 812.9 | 813.1 | 813.2 | 813.5 | 813.7 | 813.5 | 812.9 | 812.3 | 811.5 | 810.9 | 812.9 |
| 17.5° | 794.4 | 795.0 | 795.7 | 796.4 | 797.0 | 797.2 | 797.1 | 797.0 | 796.8 | 796.7 | 798.7 |
| 20° | 781.6 | 782.2 | 782.8 | 783.5 | 784.1 | 784.5 | 784.7 | 784.9 | 785.2 | 785.3 | 787.5 |
| 22.5° | 767.1 | 767.9 | 768.7 | 769.5 | 770.3 | 771.0 | 771.3 | 771.7 | 772.0 | 772.5 | 774.5 |
| 25° | 743.6 | 744.8 | 746.2 | 747.4 | 748.7 | 749.7 | 750.3 | 750.9 | 751.5 | 752.2 | 754.5 |
| 27.5° | 717.5 | 719.3 | 721.1 | 723.0 | 724.9 | 726.3 | 727.3 | 728.2 | 729.2 | 730.1 | 732.3 |
| 30° | 700.0 | 701.7 | 703.4 | 705.1 | 706.8 | 708.3 | 709.8 | 711.2 | 712.7 | 714.2 | 716.5 |
| 32.5° | 681.0 | 683.1 | 685.1 | 687.1 | 689.1 | 690.9 | 692.6 | 694.2 | 695.9 | 697.5 | 700.2 |
| 35° | 650.7 | 653.2 | 655.8 | 658.3 | 660.8 | 663.1 | 665.2 | 667.4 | 669.4 | 671.5 | 674.5 |
| 37.5° | 620.1 | 623.0 | 626.0 | 628.8 | 631.8 | 634.5 | 637.1 | 639.7 | 642.4 | 645.0 | 648.0 |
| 40° | 600.4 | 603.2 | 605.8 | 608.6 | 611.4 | 614.2 | 617.2 | 620.1 | 623.0 | 626.0 | 629.2 |
| 42.5° | 577.7 | 580.7 | 583.8 | 586.8 | 590.0 | 593.2 | 596.6 | 600.1 | 603.6 | 607.0 | 610.6 |
| 45° | 542.5 | 546.5 | 550.5 | 554.6 | 558.6 | 562.6 | 566.6 | 570.6 | 574.5 | 578.5 | 582.2 |
| 47.5° | 509.0 | 513.1 | 517.2 | 521.4 | 525.5 | 529.9 | 534.5 | 539.1 | 543.8 | 548.4 | 552.1 |
| 50° | 484.6 | 489.3 | 493.9 | 498.6 | 503.2 | 507.8 | 512.5 | 517.1 | 521.7 | 526.4 | 530.7 |
| 52.5° | 460.4 | 465.0 | 469.7 | 474.3 | 478.9 | 483.9 | 489.2 | 494.5 | 499.9 | 505.2 | 509.3 |
| 55° | 424.9 | 429.4 | 433.8 | 438.2 | 442.6 | 448.0 | 454.3 | 460.7 | 467.0 | 473.3 | 477.5 |
| 57.5° | 385.3 | 390.7 | 396.3 | 401.7 | 407.2 | 413.0 | 419.4 | 425.6 | 431.9 | 438.2 | 443.2 |
| 60° | 359.4 | 365.0 | 370.4 | 375.9 | 381.4 | 387.6 | 394.6 | 401.5 | 408.5 | 415.4 | 420.3 |
| 62.5° | 334.4 | 340.5 | 346.4 | 352.4 | 358.4 | 364.9 | 371.8 | 378.8 | 385.8 | 392.7 | 397.5 |
| 65° | 294.0 | 300.8 | 307.6 | 314.2 | 321.0 | 328.0 | 335.1 | 342.3 | 349.5 | 356.6 | 361.9 |
| 67.5° | 255.1 | 262.3 | 269.5 | 276.6 | 283.8 | 291.2 | 298.9 | 306.6 | 314.2 | 321.9 | 327.3 |
| 70° | 228.5 | 235.8 | 242.9 | 250.1 | 257.3 | 264.8 | 272.9 | 280.9 | 288.8 | 296.9 | 302.6 |
| 72.5° | 202.8 | 210.1 | 217.5 | 224.8 | 232.1 | 240.0 | 248.6 | 257.1 | 265.6 | 274.1 | 279.6 |
| 75° | 163.2 | 170.9 | 178.7 | 186.5 | 194.3 | 202.7 | 211.5 | 220.3 | 229.3 | 238.1 | 244.0 |
| 77.5° | 126.2 | 134.4 | 142.7 | 151.0 | 159.2 | 168.0 | 177.3 | 186.5 | 195.8 | 205.1 | 211.1 |
| 80° | 103.3 | 111.8 | 120.2 | 128.7 | 137.1 | 146.0 | 155.2 | 164.5 | 173.8 | 183.1 | 189.4 |
| 82.5° | 80.6 | 89.3 | 98.2 | 106.9 | 115.7 | 124.8 | 134.0 | 143.3 | 152.6 | 161.8 | 168.3 |
| 85° | 50.3 | 59.1 | 67.9 | 76.9 | 85.7 | 94.9 | 104.3 | 113.8 | 123.3 | 132.8 | 139.1 |
| 87.5° | 28.5 | 37.5 | 46.4 | 55.3 | 64.3 | 73.5 | 82.9 | 92.4 | 101.9 | 111.4 | 117.7 |
| 90° | 17.3 | 27.4 | 37.5 | 47.7 | 57.8 | 68.0 | 78.3 | 88.6 | 98.9 | 109.2 | 116.3 |
| 92.5° | 29.3 | 38.9 | 48.4 | 58.0 | 67.5 | 77.2 | 87.1 | 97.1 | 107.0 | 117.0 | 123.4 |
| 95° | 54.1 | 62.5 | 70.9 | 79.2 | 87.6 | 96.6 | 106.3 | 116.0 | 125.7 | 135.5 | 141.7 |
| 97.5° | 84.3 | 91.3 | 98.4 | 105.6 | 112.6 | 121.1 | 131.0 | 140.8 | 150.6 | 160.4 | 166.5 |
| 100° | 108.1 | 114.1 | 120.2 | 126.4 | 132.4 | 140.3 | 149.9 | 159.5 | 169.2 | 178.8 | 184.8 |
| 102.5° | 133.7 | 138.8 | 143.8 | 148.8 | 153.9 | 161.0 | 170.4 | 179.8 | 189.0 | 198.4 | 204.3 |
| 105° | 170.9 | 175.3 | 179.7 | 184.0 | 188.4 | 194.8 | 203.2 | 211.7 | 220.1 | 228.5 | 234.3 |
| 107.5° | 211.9 | 215.5 | 219.2 | 222.8 | 226.5 | 232.0 | 239.5 | 247.0 | 254.4 | 261.9 | 267.5 |
| 110° | 239.1 | 242.3 | 245.6 | 248.8 | 252.1 | 257.3 | 264.6 | 271.8 | 279.0 | 286.2 | 290.8 |



TEST NUMBER: P332602-940

CATALOG NUMBER: SA4XXDIP-C795D810U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 267.2 | 269.9 | 272.6 | 275.3 | 277.9 | 282.7 | 289.4 | 296.2 | 303.0 | 309.8 | 314.3 |
| 115° | 309.6 | 311.6 | 313.4 | 315.3 | 317.3 | 321.4 | 327.8 | 334.3 | 340.7 | 347.1 | 351.6 |
| 117.5° | 350.4 | 351.7 | 352.9 | 354.2 | 355.5 | 359.2 | 365.2 | 371.3 | 377.4 | 383.4 | 387.3 |
| 120° | 377.0 | 378.3 | 379.5 | 380.8 | 382.0 | 385.5 | 391.1 | 396.7 | 402.4 | 408.0 | 411.5 |
| 122.5° | 405.5 | 405.8 | 406.2 | 406.5 | 407.0 | 409.9 | 415.4 | 421.1 | 426.6 | 432.1 | 435.9 |
| 125° | 446.5 | 446.3 | 446.0 | 445.9 | 445.6 | 448.1 | 453.2 | 458.3 | 463.4 | 468.5 | 472.3 |
| 127.5° | 484.4 | 484.6 | 484.8 | 485.1 | 485.4 | 487.4 | 491.2 | 495.0 | 498.8 | 502.6 | 506.0 |
| 130° | 510.3 | 510.6 | 510.9 | 511.1 | 511.4 | 513.2 | 516.6 | 520.0 | 523.3 | 526.6 | 530.1 |
| 132.5° | 537.7 | 537.8 | 538.0 | 538.1 | 538.2 | 539.6 | 542.2 | 544.7 | 547.2 | 549.8 | 553.1 |
| 135° | 572.8 | 573.8 | 574.7 | 575.6 | 576.6 | 577.7 | 579.3 | 580.7 | 582.2 | 583.6 | 586.7 |
| 137.5° | 612.2 | 612.4 | 612.6 | 612.9 | 613.1 | 613.7 | 614.7 | 615.5 | 616.5 | 617.5 | 620.2 |
| 140° | 638.4 | 638.5 | 638.6 | 638.6 | 638.7 | 638.9 | 639.2 | 639.4 | 639.5 | 639.8 | 642.4 |
| 142.5° | 661.6 | 661.8 | 662.1 | 662.4 | 662.6 | 662.7 | 662.5 | 662.2 | 661.9 | 661.6 | 664.1 |
| 145° | 694.6 | 695.0 | 695.4 | 695.8 | 696.2 | 696.5 | 696.7 | 696.8 | 697.0 | 697.1 | 698.2 |
| 147.5° | 727.5 | 728.0 | 728.5 | 729.1 | 729.6 | 729.9 | 729.7 | 729.6 | 729.4 | 729.3 | 729.4 |
| 150° | 747.6 | 748.0 | 748.4 | 748.8 | 749.2 | 749.4 | 749.4 | 749.4 | 749.4 | 749.4 | 749.4 |
| 152.5° | 765.8 | 766.1 | 766.4 | 766.8 | 767.0 | 767.3 | 767.4 | 767.6 | 767.7 | 767.9 | 768.2 |
| 155° | 794.7 | 794.7 | 794.7 | 794.7 | 794.7 | 794.6 | 794.5 | 794.3 | 794.2 | 794.1 | 794.6 |
| 157.5° | 819.3 | 818.9 | 818.7 | 818.4 | 818.1 | 818.0 | 818.0 | 818.0 | 817.9 | 817.9 | 818.3 |
| 160° | 833.7 | 833.6 | 833.5 | 833.3 | 833.1 | 832.9 | 832.9 | 832.7 | 832.5 | 832.4 | 832.9 |
| 162.5° | 847.1 | 846.8 | 846.3 | 846.0 | 845.5 | 845.3 | 845.1 | 845.0 | 844.8 | 844.6 | 845.5 |
| 165° | 865.1 | 864.7 | 864.2 | 863.7 | 863.3 | 862.9 | 862.6 | 862.3 | 861.9 | 861.7 | 862.6 |
| 167.5° | 879.0 | 878.2 | 877.6 | 877.0 | 876.4 | 876.0 | 876.0 | 876.1 | 876.1 | 876.1 | 877.1 |
| 170° | 886.7 | 886.0 | 885.2 | 884.4 | 883.7 | 883.3 | 883.5 | 883.7 | 883.8 | 884.0 | 884.8 |
| 172.5° | 892.3 | 891.7 | 891.0 | 890.4 | 889.7 | 889.4 | 889.5 | 889.5 | 889.5 | 889.6 | 890.6 |
| 175° | 900.0 | 899.2 | 898.4 | 897.7 | 896.9 | 896.4 | 896.3 | 896.1 | 896.0 | 895.8 | 896.9 |
| 177.5° | 902.5 | 901.9 | 901.3 | 900.6 | 900.0 | 899.7 | 899.7 | 899.7 | 899.7 | 899.7 | 900.5 |
| 180° | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 |



TEST NUMBER: P332602-940

CATALOG NUMBER: SA4XXDIP-C795D810U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 |
| 2.5° | 844.0 | 845.3 | 846.4 | 846.9 | 846.8 | 846.6 | 846.4 | 846.2 |
| 5° | 841.9 | 843.6 | 845.2 | 846.0 | 845.7 | 845.5 | 845.3 | 845.1 |
| 7.5° | 837.3 | 839.2 | 841.2 | 842.0 | 841.8 | 841.5 | 841.3 | 841.2 |
| 10° | 832.8 | 834.6 | 836.6 | 837.4 | 837.2 | 837.0 | 836.8 | 836.6 |
| 12.5° | 826.3 | 828.1 | 829.8 | 830.6 | 830.6 | 830.5 | 830.5 | 830.5 |
| 15° | 814.8 | 816.6 | 818.5 | 819.4 | 819.2 | 818.9 | 818.8 | 818.5 |
| 17.5° | 800.6 | 802.5 | 804.5 | 805.4 | 805.2 | 805.0 | 804.9 | 804.7 |
| 20° | 789.5 | 791.7 | 793.8 | 794.9 | 794.9 | 794.9 | 794.9 | 794.9 |
| 22.5° | 776.7 | 778.7 | 780.9 | 782.1 | 782.5 | 782.7 | 783.1 | 783.5 |
| 25° | 756.8 | 759.1 | 761.4 | 762.7 | 762.9 | 763.1 | 763.3 | 763.6 |
| 27.5° | 734.4 | 736.6 | 738.8 | 739.9 | 740.2 | 740.5 | 740.7 | 740.9 |
| 30° | 718.8 | 721.1 | 723.4 | 724.9 | 725.3 | 725.7 | 726.1 | 726.6 |
| 32.5° | 702.8 | 705.5 | 708.1 | 709.7 | 710.1 | 710.5 | 711.0 | 711.4 |
| 35° | 677.4 | 680.4 | 683.3 | 685.1 | 685.7 | 686.3 | 687.1 | 687.7 |
| 37.5° | 650.9 | 654.0 | 656.9 | 658.8 | 659.4 | 660.1 | 660.8 | 661.5 |
| 40° | 632.3 | 635.5 | 638.6 | 640.6 | 641.5 | 642.3 | 643.2 | 644.0 |
| 42.5° | 614.0 | 617.5 | 621.0 | 623.1 | 623.8 | 624.5 | 625.2 | 625.8 |
| 45° | 585.8 | 589.3 | 592.9 | 595.2 | 596.3 | 597.4 | 598.4 | 599.4 |
| 47.5° | 555.8 | 559.5 | 563.3 | 565.7 | 567.0 | 568.3 | 569.5 | 570.8 |
| 50° | 534.8 | 539.0 | 543.2 | 546.0 | 547.2 | 548.6 | 549.8 | 551.1 |
| 52.5° | 513.6 | 517.8 | 522.0 | 524.8 | 526.0 | 527.3 | 528.5 | 529.9 |
| 55° | 481.7 | 486.0 | 490.2 | 492.9 | 494.2 | 495.4 | 496.7 | 497.9 |
| 57.5° | 448.3 | 453.3 | 458.3 | 461.4 | 462.5 | 463.7 | 464.9 | 466.1 |
| 60° | 425.2 | 430.0 | 434.8 | 438.1 | 439.8 | 441.5 | 443.2 | 444.9 |
| 62.5° | 402.3 | 407.2 | 412.1 | 415.4 | 417.1 | 418.7 | 420.4 | 422.0 |
| 65° | 367.2 | 372.5 | 377.7 | 381.2 | 382.9 | 384.6 | 386.2 | 387.9 |
| 67.5° | 332.6 | 338.0 | 343.3 | 346.8 | 348.5 | 350.1 | 351.8 | 353.4 |
| 70° | 308.3 | 314.0 | 319.7 | 323.2 | 324.7 | 326.2 | 327.6 | 329.1 |
| 72.5° | 285.2 | 290.7 | 296.2 | 299.8 | 301.4 | 303.1 | 304.7 | 306.4 |
| 75° | 249.9 | 255.7 | 261.7 | 265.6 | 267.5 | 269.4 | 271.3 | 273.1 |
| 77.5° | 217.0 | 223.0 | 229.0 | 233.0 | 235.1 | 237.0 | 239.1 | 241.1 |
| 80° | 195.7 | 202.1 | 208.4 | 212.3 | 214.0 | 215.7 | 217.4 | 219.1 |
| 82.5° | 174.8 | 181.3 | 187.8 | 192.0 | 193.8 | 195.6 | 197.5 | 199.4 |
| 85° | 145.4 | 151.8 | 158.1 | 162.3 | 164.4 | 166.5 | 168.6 | 170.8 |
| 87.5° | 123.9 | 130.3 | 136.6 | 140.7 | 142.6 | 144.5 | 146.4 | 148.4 |
| 90° | 123.3 | 130.4 | 137.4 | 142.0 | 143.9 | 145.9 | 147.9 | 149.9 |
| 92.5° | 129.9 | 136.4 | 142.9 | 147.1 | 149.0 | 150.9 | 152.8 | 154.6 |
| 95° | 147.8 | 154.0 | 160.2 | 164.2 | 166.0 | 167.9 | 169.9 | 171.7 |
| 97.5° | 172.6 | 178.7 | 184.8 | 188.7 | 190.5 | 192.3 | 194.1 | 195.9 |
| 100° | 190.7 | 196.7 | 202.8 | 206.5 | 207.9 | 209.5 | 210.9 | 212.4 |
| 102.5° | 210.3 | 216.2 | 222.2 | 226.0 | 227.8 | 229.6 | 231.4 | 233.1 |
| 105° | 240.0 | 245.8 | 251.5 | 255.4 | 257.5 | 259.7 | 261.8 | 264.0 |
| 107.5° | 273.1 | 278.7 | 284.4 | 287.9 | 289.4 | 290.9 | 292.4 | 293.9 |
| 110° | 295.2 | 299.8 | 304.3 | 307.7 | 309.9 | 312.0 | 314.1 | 316.3 |



TEST NUMBER: P332602-940

CATALOG NUMBER: SA4XXDIP-C795D810U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 319.0 | 323.6 | 328.2 | 331.4 | 333.1 | 334.9 | 336.7 | 338.5 |
| 115° | 356.1 | 360.6 | 365.1 | 367.9 | 369.3 | 370.6 | 371.9 | 373.3 |
| 117.5° | 391.1 | 394.9 | 398.9 | 401.4 | 402.9 | 404.2 | 405.6 | 407.0 |
| 120° | 414.9 | 418.4 | 421.8 | 424.5 | 426.5 | 428.6 | 430.5 | 432.5 |
| 122.5° | 439.5 | 443.2 | 446.9 | 449.2 | 450.2 | 451.1 | 452.1 | 453.1 |
| 125° | 475.9 | 479.7 | 483.3 | 485.6 | 486.6 | 487.6 | 488.5 | 489.5 |
| 127.5° | 509.5 | 513.0 | 516.5 | 518.9 | 520.0 | 521.2 | 522.5 | 523.6 |
| 130° | 533.6 | 537.2 | 540.6 | 542.7 | 543.3 | 543.9 | 544.6 | 545.3 |
| 132.5° | 556.5 | 559.8 | 563.1 | 565.3 | 566.3 | 567.3 | 568.3 | 569.4 |
| 135° | 589.8 | 592.9 | 595.9 | 597.9 | 598.6 | 599.4 | 600.2 | 601.0 |
| 137.5° | 622.9 | 625.5 | 628.2 | 630.1 | 631.2 | 632.4 | 633.6 | 634.7 |
| 140° | 645.0 | 647.6 | 650.1 | 651.8 | 652.7 | 653.6 | 654.5 | 655.4 |
| 142.5° | 666.4 | 668.8 | 671.2 | 672.8 | 673.6 | 674.5 | 675.4 | 676.2 |
| 145° | 699.4 | 700.4 | 701.6 | 702.3 | 702.7 | 703.0 | 703.5 | 703.8 |
| 147.5° | 729.4 | 729.5 | 729.5 | 729.8 | 730.3 | 730.8 | 731.4 | 731.9 |
| 150° | 749.4 | 749.4 | 749.4 | 749.3 | 749.2 | 749.0 | 748.9 | 748.7 |
| 152.5° | 768.6 | 768.9 | 769.3 | 769.3 | 768.9 | 768.5 | 768.1 | 767.7 |
| 155° | 795.2 | 795.9 | 796.5 | 796.5 | 795.9 | 795.2 | 794.6 | 794.1 |
| 157.5° | 818.8 | 819.3 | 819.7 | 819.7 | 819.2 | 818.7 | 818.1 | 817.6 |
| 160° | 833.3 | 833.7 | 834.2 | 834.1 | 833.3 | 832.5 | 831.8 | 831.0 |
| 162.5° | 846.3 | 847.1 | 848.0 | 848.0 | 847.2 | 846.5 | 845.7 | 844.9 |
| 165° | 863.5 | 864.4 | 865.4 | 865.5 | 864.9 | 864.2 | 863.6 | 863.1 |
| 167.5° | 878.0 | 879.0 | 879.9 | 879.9 | 878.9 | 877.9 | 877.0 | 876.0 |
| 170° | 885.8 | 886.7 | 887.7 | 887.6 | 886.5 | 885.5 | 884.3 | 883.2 |
| 172.5° | 891.6 | 892.7 | 893.8 | 893.8 | 892.7 | 891.5 | 890.5 | 889.4 |
| 175° | 898.0 | 899.0 | 900.2 | 900.2 | 899.0 | 898.0 | 896.9 | 895.8 |
| 177.5° | 901.4 | 902.3 | 903.2 | 903.1 | 902.1 | 901.2 | 900.2 | 899.1 |
| 180° | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 |

(END OF REPORT)