

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: P332565-935

Luminaire Tested: **SA4XXDIP-C575D1035U935-4F0-1E-UDD-D**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332565-935
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-C575D1035U935-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

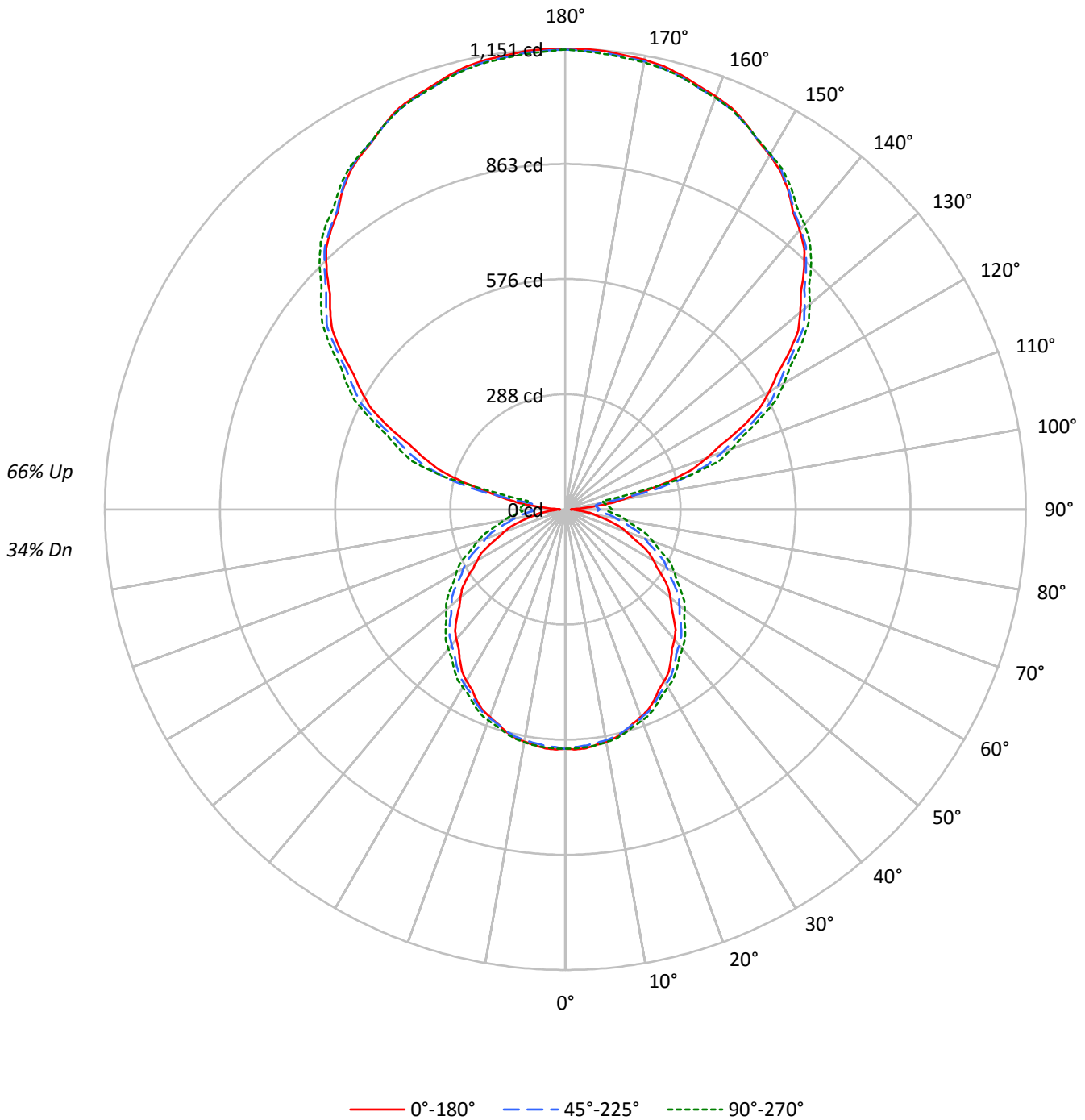
Lumens per Lamp: N/A
Luminaire Lumens: 5597.5 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

Input Watts (W): 44.5
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: P332565-935
CATALOG NUMBER: SA4XXDIP-C575D1035U935-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332565-935

CATALOG NUMBER: SA4XXDIP-C575D1035U935-4F0-1E-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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 57 | 57 | 57 | 41 | 41 | 41 | 34 | | | | 34 |
| 1 | 93 | 89 | 85 | 81 | 84 | 80 | 77 | 74 | 64 | 62 | 59 | 49 | 47 | 46 | 35 | 34 | 33 | 27 | | | | 27 |
| 2 | 85 | 77 | 71 | 66 | 76 | 70 | 64 | 60 | 56 | 52 | 49 | 43 | 40 | 38 | 31 | 29 | 28 | 22 | | | | 22 |
| 3 | 77 | 68 | 60 | 54 | 69 | 61 | 55 | 50 | 49 | 44 | 40 | 37 | 34 | 32 | 27 | 25 | 23 | 18 | | | | 18 |
| 4 | 70 | 60 | 52 | 46 | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 33 | 30 | 27 | 24 | 22 | 20 | 16 | | | | 16 |
| 5 | 64 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 38 | 33 | 29 | 30 | 26 | 23 | 21 | 19 | 17 | 13 | | | | 13 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 27 | 23 | 20 | 19 | 17 | 15 | 12 | | | | 12 |
| 7 | 55 | 42 | 35 | 29 | 49 | 39 | 32 | 27 | 31 | 26 | 22 | 24 | 20 | 18 | 18 | 15 | 13 | 10 | | | | 10 |
| 8 | 51 | 38 | 31 | 25 | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 16 | 16 | 14 | 12 | 9 | | | | 9 |
| 9 | 47 | 35 | 28 | 23 | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 20 | 16 | 14 | 15 | 12 | 10 | 8 | | | | 8 |
| 10 | 44 | 32 | 25 | 20 | 39 | 29 | 23 | 18 | 24 | 19 | 15 | 19 | 15 | 12 | 14 | 11 | 9 | 7 | | | | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4830 | 4830 | 4830 |
| 5° | 4845 | 4721 | 4734 |
| 10° | 4816 | 4644 | 4639 |
| 15° | 4772 | 4554 | 4529 |
| 20° | 4707 | 4455 | 4422 |
| 25° | 4634 | 4345 | 4302 |
| 30° | 4555 | 4235 | 4181 |
| 35° | 4464 | 4122 | 4074 |
| 40° | 4393 | 4015 | 3964 |
| 45° | 4286 | 3916 | 3867 |
| 50° | 4195 | 3803 | 3767 |
| 55° | 4102 | 3695 | 3648 |
| 60° | 3957 | 3557 | 3541 |
| 65° | 3798 | 3411 | 3409 |
| 70° | 3603 | 3243 | 3253 |
| 75° | 3334 | 3060 | 3114 |
| 80° | 3035 | 2882 | 2977 |
| 85° | 2656 | 2725 | 2896 |



TEST NUMBER: P332565-935

CATALOG NUMBER: SA4XXDIP-C575D1035U935-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 56.7 | 1.0 |
| 10°-20° | 162.3 | 2.9 |
| 20°-30° | 245.5 | 4.4 |
| 30°-40° | 297.0 | 5.3 |
| 40°-50° | 314.0 | 5.6 |
| 50°-60° | 295.5 | 5.3 |
| 60°-70° | 245.2 | 4.4 |
| 70°-80° | 172.2 | 3.1 |
| 80°-90° | 100.7 | 1.8 |
| 90°-100° | 97.1 | 1.7 |
| 100°-110° | 293.4 | 5.2 |
| 110°-120° | 508.1 | 9.1 |
| 120°-130° | 624.8 | 11.2 |
| 130°-140° | 658.1 | 11.8 |
| 140°-150° | 610.3 | 10.9 |
| 150°-160° | 491.0 | 8.8 |
| 160°-170° | 316.7 | 5.7 |
| 170°-180° | 109.2 | 1.9 |
| 0°-30° | 464.5 | 8.3 |
| 0°-40° | 761.4 | 13.6 |
| 0°-60° | 1370.9 | 24.5 |
| 0°-90° | 1888.9 | 33.7 |
| 90°-120° | 898.6 | 16.1 |
| 90°-150° | 2791.8 | 49.9 |
| 90°-180° | 3709.0 | 66.3 |
| 0°-180° | 5597.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 598 | 598 | 598 | 598 | 598 | |
| 5° | 599 | 597 | 592 | 597 | 597 | 57 |
| 15° | 574 | 575 | 573 | 578 | 578 | 162 |
| 25° | 525 | 529 | 531 | 538 | 539 | 242 |
| 35° | 460 | 468 | 474 | 483 | 486 | 288 |
| 45° | 383 | 396 | 409 | 420 | 423 | 296 |
| 55° | 300 | 314 | 334 | 347 | 352 | 267 |
| 65° | 208 | 229 | 252 | 268 | 274 | 206 |
| 75° | 115 | 140 | 168 | 186 | 193 | 123 |
| 85° | 36 | 64 | 94 | 113 | 121 | 38 |
| 90° | 13 | 50 | 85 | 109 | 117 | 9 |
| 95° | 56 | 51 | 77 | 100 | 107 | 68 |
| 105° | 265 | 284 | 312 | 334 | 311 | 277 |
| 115° | 487 | 496 | 516 | 532 | 537 | 479 |
| 125° | 682 | 685 | 700 | 714 | 720 | 609 |
| 135° | 844 | 843 | 851 | 863 | 869 | 650 |
| 145° | 972 | 974 | 974 | 979 | 983 | 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: P332565-935

CATALOG NUMBER: SA4XXDIP-C575D1035U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 |
| 2.5° | 600.5 | 600.1 | 599.8 | 599.3 | 599.0 | 598.4 | 597.4 | 596.5 | 595.5 | 594.5 | 595.4 |
| 5° | 599.0 | 598.6 | 598.1 | 597.6 | 597.2 | 596.4 | 595.4 | 594.3 | 593.3 | 592.3 | 593.5 |
| 7.5° | 593.9 | 593.6 | 593.3 | 593.1 | 592.8 | 592.3 | 591.4 | 590.6 | 589.6 | 588.8 | 590.1 |
| 10° | 589.6 | 589.4 | 589.3 | 589.2 | 589.0 | 588.6 | 587.8 | 587.0 | 586.3 | 585.6 | 586.9 |
| 12.5° | 583.7 | 583.7 | 583.7 | 583.6 | 583.6 | 583.3 | 582.8 | 582.3 | 581.8 | 581.3 | 582.5 |
| 15° | 574.2 | 574.4 | 574.5 | 574.6 | 574.8 | 574.6 | 574.2 | 573.8 | 573.3 | 572.8 | 574.2 |
| 17.5° | 561.2 | 561.6 | 562.1 | 562.5 | 563.0 | 563.2 | 563.1 | 563.0 | 562.9 | 562.8 | 564.1 |
| 20° | 552.1 | 552.5 | 552.9 | 553.5 | 553.9 | 554.1 | 554.3 | 554.5 | 554.6 | 554.7 | 556.2 |
| 22.5° | 541.9 | 542.4 | 543.0 | 543.5 | 544.2 | 544.6 | 544.8 | 545.1 | 545.4 | 545.6 | 547.2 |
| 25° | 525.3 | 526.2 | 527.1 | 528.0 | 528.8 | 529.5 | 529.9 | 530.4 | 530.9 | 531.3 | 533.0 |
| 27.5° | 506.8 | 508.1 | 509.4 | 510.7 | 512.0 | 513.0 | 513.7 | 514.4 | 515.1 | 515.7 | 517.3 |
| 30° | 494.5 | 495.7 | 496.8 | 498.0 | 499.2 | 500.3 | 501.4 | 502.4 | 503.4 | 504.5 | 506.2 |
| 32.5° | 481.0 | 482.5 | 483.9 | 485.3 | 486.8 | 488.1 | 489.2 | 490.4 | 491.5 | 492.8 | 494.6 |
| 35° | 459.6 | 461.4 | 463.2 | 464.9 | 466.7 | 468.4 | 469.8 | 471.4 | 472.9 | 474.3 | 476.5 |
| 37.5° | 438.1 | 440.1 | 442.1 | 444.2 | 446.3 | 448.2 | 450.0 | 451.9 | 453.7 | 455.6 | 457.7 |
| 40° | 424.1 | 426.0 | 428.0 | 429.9 | 431.9 | 433.9 | 435.9 | 438.0 | 440.1 | 442.2 | 444.4 |
| 42.5° | 408.0 | 410.2 | 412.3 | 414.6 | 416.7 | 419.0 | 421.5 | 423.9 | 426.4 | 428.8 | 431.3 |
| 45° | 383.2 | 386.1 | 388.9 | 391.8 | 394.5 | 397.4 | 400.2 | 403.0 | 405.9 | 408.7 | 411.2 |
| 47.5° | 359.6 | 362.4 | 365.3 | 368.2 | 371.2 | 374.3 | 377.5 | 380.8 | 384.1 | 387.4 | 390.0 |
| 50° | 342.3 | 345.6 | 348.9 | 352.2 | 355.5 | 358.8 | 362.1 | 365.3 | 368.6 | 371.9 | 374.8 |
| 52.5° | 325.2 | 328.5 | 331.7 | 335.0 | 338.3 | 341.8 | 345.6 | 349.3 | 353.1 | 356.8 | 359.8 |
| 55° | 300.1 | 303.2 | 306.4 | 309.5 | 312.6 | 316.4 | 320.9 | 325.4 | 329.8 | 334.3 | 337.3 |
| 57.5° | 272.2 | 276.0 | 279.9 | 283.8 | 287.7 | 291.8 | 296.2 | 300.7 | 305.1 | 309.5 | 313.1 |
| 60° | 253.9 | 257.8 | 261.7 | 265.5 | 269.4 | 273.8 | 278.7 | 283.6 | 288.5 | 293.4 | 296.9 |
| 62.5° | 236.3 | 240.5 | 244.7 | 248.9 | 253.1 | 257.7 | 262.6 | 267.5 | 272.5 | 277.4 | 280.8 |
| 65° | 207.7 | 212.5 | 217.2 | 222.0 | 226.8 | 231.7 | 236.7 | 241.8 | 246.8 | 251.9 | 255.6 |
| 67.5° | 180.2 | 185.3 | 190.4 | 195.4 | 200.4 | 205.7 | 211.1 | 216.5 | 222.0 | 227.4 | 231.2 |
| 70° | 161.4 | 166.5 | 171.6 | 176.7 | 181.8 | 187.1 | 192.7 | 198.4 | 204.1 | 209.7 | 213.7 |
| 72.5° | 143.3 | 148.4 | 153.6 | 158.8 | 163.9 | 169.5 | 175.6 | 181.6 | 187.6 | 193.6 | 197.5 |
| 75° | 115.2 | 120.7 | 126.2 | 131.7 | 137.2 | 143.2 | 149.4 | 155.7 | 162.0 | 168.2 | 172.4 |
| 77.5° | 89.1 | 95.0 | 100.8 | 106.6 | 112.4 | 118.6 | 125.2 | 131.7 | 138.3 | 144.8 | 149.0 |
| 80° | 73.0 | 79.0 | 85.0 | 90.9 | 96.9 | 103.1 | 109.7 | 116.2 | 122.8 | 129.3 | 133.8 |
| 82.5° | 56.9 | 63.1 | 69.3 | 75.5 | 81.7 | 88.1 | 94.6 | 101.2 | 107.7 | 114.3 | 118.9 |
| 85° | 35.5 | 41.8 | 48.0 | 54.2 | 60.5 | 67.0 | 73.7 | 80.4 | 87.1 | 93.8 | 98.2 |
| 87.5° | 20.3 | 26.9 | 33.3 | 39.9 | 46.3 | 53.0 | 59.8 | 66.6 | 73.4 | 80.3 | 84.8 |
| 90° | 13.3 | 21.4 | 29.4 | 37.5 | 45.5 | 53.6 | 61.5 | 69.4 | 77.3 | 85.2 | 90.7 |
| 92.5° | 21.0 | 26.5 | 31.9 | 37.5 | 42.9 | 49.6 | 57.5 | 65.4 | 73.4 | 81.4 | 86.7 |
| 95° | 56.0 | 54.4 | 52.8 | 51.2 | 49.7 | 52.0 | 58.3 | 64.6 | 70.9 | 77.2 | 82.4 |
| 97.5° | 108.3 | 116.6 | 124.8 | 133.1 | 141.4 | 137.9 | 122.6 | 107.4 | 92.1 | 76.8 | 80.8 |
| 100° | 148.4 | 155.7 | 163.0 | 170.2 | 177.5 | 170.9 | 150.4 | 129.8 | 109.3 | 88.8 | 89.5 |
| 102.5° | 193.7 | 199.7 | 205.5 | 211.5 | 217.4 | 221.4 | 223.7 | 225.9 | 228.2 | 230.5 | 199.3 |
| 105° | 264.8 | 268.9 | 273.0 | 277.2 | 281.2 | 286.5 | 293.0 | 299.5 | 305.9 | 312.4 | 317.8 |
| 107.5° | 331.8 | 334.8 | 337.9 | 340.9 | 343.9 | 348.6 | 355.2 | 361.7 | 368.2 | 374.7 | 379.2 |
| 110° | 376.7 | 379.4 | 382.0 | 384.6 | 387.3 | 391.8 | 398.1 | 404.5 | 410.9 | 417.2 | 421.0 |



TEST NUMBER: P332565-935

CATALOG NUMBER: SA4XXDIP-C575D1035U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 420.2 | 423.0 | 425.9 | 428.8 | 431.6 | 435.8 | 441.3 | 446.9 | 452.4 | 457.9 | 461.1 |
| 115° | 487.1 | 489.0 | 490.9 | 492.8 | 494.7 | 498.0 | 502.6 | 507.1 | 511.7 | 516.3 | 519.9 |
| 117.5° | 547.9 | 549.5 | 551.1 | 552.7 | 554.2 | 557.4 | 562.3 | 567.1 | 572.0 | 576.9 | 579.9 |
| 120° | 588.7 | 589.9 | 591.1 | 592.3 | 593.5 | 596.2 | 600.3 | 604.4 | 608.6 | 612.7 | 616.0 |
| 122.5° | 627.2 | 627.8 | 628.3 | 628.8 | 629.4 | 631.8 | 636.2 | 640.5 | 644.9 | 649.2 | 652.4 |
| 125° | 681.7 | 682.3 | 682.9 | 683.5 | 684.2 | 686.1 | 689.5 | 692.8 | 696.1 | 699.5 | 702.9 |
| 127.5° | 733.8 | 733.8 | 733.9 | 733.9 | 734.0 | 735.9 | 739.6 | 743.4 | 747.1 | 750.8 | 753.4 |
| 130° | 767.0 | 767.0 | 767.1 | 767.1 | 767.2 | 768.6 | 771.6 | 774.6 | 777.5 | 780.5 | 783.3 |
| 132.5° | 797.9 | 798.1 | 798.3 | 798.5 | 798.7 | 800.1 | 802.7 | 805.4 | 808.0 | 810.6 | 813.4 |
| 135° | 843.7 | 843.4 | 843.3 | 843.1 | 842.9 | 843.7 | 845.5 | 847.3 | 849.1 | 850.9 | 853.7 |
| 137.5° | 884.8 | 884.7 | 884.6 | 884.5 | 884.4 | 885.1 | 886.4 | 887.8 | 889.2 | 890.4 | 893.0 |
| 140° | 911.5 | 911.8 | 912.1 | 912.2 | 912.5 | 912.9 | 913.4 | 914.0 | 914.5 | 915.0 | 917.5 |
| 142.5° | 935.1 | 935.7 | 936.4 | 937.0 | 937.7 | 938.1 | 938.2 | 938.4 | 938.6 | 938.7 | 940.8 |
| 145° | 971.9 | 972.3 | 972.8 | 973.2 | 973.6 | 973.8 | 973.8 | 973.8 | 973.8 | 973.8 | 974.9 |
| 147.5° | 1001.3 | 1002.2 | 1003.2 | 1004.1 | 1005.0 | 1005.4 | 1005.1 | 1005.0 | 1004.8 | 1004.6 | 1004.9 |
| 150° | 1022.6 | 1023.2 | 1023.8 | 1024.5 | 1025.1 | 1025.3 | 1025.1 | 1024.9 | 1024.8 | 1024.5 | 1024.5 |
| 152.5° | 1040.0 | 1040.5 | 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: P332565-935

CATALOG NUMBER: SA4XXDIP-C575D1035U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 |
| 2.5° | 596.2 | 597.0 | 597.9 | 598.2 | 598.1 | 598.0 | 597.9 | 597.8 |
| 5° | 594.7 | 595.8 | 597.0 | 597.5 | 597.4 | 597.3 | 597.1 | 596.9 |
| 7.5° | 591.5 | 592.8 | 594.2 | 594.8 | 594.6 | 594.4 | 594.3 | 594.2 |
| 10° | 588.2 | 589.6 | 590.9 | 591.5 | 591.4 | 591.2 | 591.1 | 590.9 |
| 12.5° | 583.8 | 585.0 | 586.2 | 586.8 | 586.8 | 586.7 | 586.7 | 586.7 |
| 15° | 575.5 | 576.9 | 578.2 | 578.8 | 578.7 | 578.5 | 578.3 | 578.2 |
| 17.5° | 565.5 | 566.9 | 568.3 | 568.9 | 568.8 | 568.7 | 568.5 | 568.4 |
| 20° | 557.8 | 559.2 | 560.7 | 561.5 | 561.5 | 561.5 | 561.5 | 561.5 |
| 22.5° | 548.6 | 550.1 | 551.6 | 552.5 | 552.7 | 552.9 | 553.2 | 553.5 |
| 25° | 534.6 | 536.2 | 537.9 | 538.7 | 538.9 | 539.1 | 539.2 | 539.3 |
| 27.5° | 518.8 | 520.3 | 521.9 | 522.7 | 522.9 | 523.1 | 523.2 | 523.4 |
| 30° | 507.8 | 509.5 | 511.1 | 512.0 | 512.3 | 512.6 | 512.9 | 513.2 |
| 32.5° | 496.5 | 498.3 | 500.2 | 501.3 | 501.6 | 501.9 | 502.2 | 502.5 |
| 35° | 478.5 | 480.6 | 482.7 | 484.0 | 484.4 | 484.8 | 485.3 | 485.8 |
| 37.5° | 459.9 | 461.9 | 464.1 | 465.4 | 465.8 | 466.3 | 466.7 | 467.3 |
| 40° | 446.7 | 448.9 | 451.2 | 452.5 | 453.1 | 453.7 | 454.3 | 455.0 |
| 42.5° | 433.8 | 436.2 | 438.7 | 440.1 | 440.7 | 441.1 | 441.6 | 442.0 |
| 45° | 413.8 | 416.3 | 418.8 | 420.4 | 421.2 | 422.0 | 422.7 | 423.4 |
| 47.5° | 392.6 | 395.3 | 397.9 | 399.6 | 400.5 | 401.4 | 402.3 | 403.2 |
| 50° | 377.8 | 380.8 | 383.7 | 385.7 | 386.6 | 387.4 | 388.4 | 389.3 |
| 52.5° | 362.8 | 365.8 | 368.8 | 370.7 | 371.6 | 372.5 | 373.3 | 374.3 |
| 55° | 340.3 | 343.3 | 346.2 | 348.2 | 349.0 | 350.0 | 350.9 | 351.7 |
| 57.5° | 316.6 | 320.2 | 323.7 | 325.9 | 326.7 | 327.5 | 328.4 | 329.2 |
| 60° | 300.3 | 303.8 | 307.1 | 309.4 | 310.6 | 311.9 | 313.1 | 314.3 |
| 62.5° | 284.2 | 287.7 | 291.1 | 293.3 | 294.5 | 295.8 | 297.0 | 298.2 |
| 65° | 259.3 | 263.1 | 266.8 | 269.2 | 270.4 | 271.6 | 272.9 | 274.1 |
| 67.5° | 235.0 | 238.8 | 242.5 | 245.0 | 246.2 | 247.3 | 248.5 | 249.6 |
| 70° | 217.7 | 221.8 | 225.8 | 228.3 | 229.4 | 230.4 | 231.4 | 232.5 |
| 72.5° | 201.4 | 205.3 | 209.2 | 211.7 | 212.9 | 214.0 | 215.2 | 216.4 |
| 75° | 176.5 | 180.6 | 184.9 | 187.6 | 188.9 | 190.3 | 191.7 | 193.0 |
| 77.5° | 153.3 | 157.6 | 161.8 | 164.6 | 166.0 | 167.5 | 168.8 | 170.3 |
| 80° | 138.3 | 142.7 | 147.1 | 150.0 | 151.2 | 152.4 | 153.6 | 154.8 |
| 82.5° | 123.5 | 128.0 | 132.7 | 135.6 | 136.9 | 138.2 | 139.5 | 140.9 |
| 85° | 102.7 | 107.2 | 111.7 | 114.7 | 116.1 | 117.6 | 119.1 | 120.6 |
| 87.5° | 89.4 | 93.9 | 98.5 | 101.4 | 102.8 | 104.2 | 105.6 | 107.0 |
| 90° | 96.2 | 101.6 | 107.1 | 110.6 | 112.2 | 113.7 | 115.4 | 116.9 |
| 92.5° | 92.0 | 97.4 | 102.7 | 106.0 | 107.3 | 108.6 | 109.9 | 111.1 |
| 95° | 87.6 | 92.7 | 97.9 | 101.3 | 102.7 | 104.3 | 105.8 | 107.4 |
| 97.5° | 84.9 | 88.9 | 92.9 | 95.7 | 97.1 | 98.6 | 100.0 | 101.5 |
| 100° | 90.3 | 91.1 | 91.9 | 92.8 | 94.1 | 95.3 | 96.5 | 97.7 |
| 102.5° | 168.2 | 137.1 | 105.9 | 91.0 | 92.2 | 93.3 | 94.5 | 95.7 |
| 105° | 323.3 | 328.7 | 334.2 | 334.1 | 328.4 | 322.7 | 316.9 | 311.3 |
| 107.5° | 383.7 | 388.2 | 392.7 | 395.9 | 397.6 | 399.4 | 401.2 | 403.0 |
| 110° | 424.8 | 428.7 | 432.5 | 435.2 | 437.0 | 438.8 | 440.6 | 442.3 |



TEST NUMBER: P332565-935

CATALOG NUMBER: SA4XXDIP-C575D1035U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 464.3 | 467.5 | 470.8 | 473.4 | 475.3 | 477.2 | 479.1 | 481.0 |
| 115° | 523.6 | 527.2 | 530.9 | 533.2 | 534.3 | 535.3 | 536.4 | 537.4 |
| 117.5° | 582.9 | 585.9 | 588.9 | 591.0 | 592.1 | 593.2 | 594.3 | 595.5 |
| 120° | 619.4 | 622.8 | 626.1 | 628.2 | 629.0 | 629.8 | 630.7 | 631.5 |
| 122.5° | 655.7 | 658.8 | 662.0 | 664.0 | 664.7 | 665.4 | 666.1 | 666.8 |
| 125° | 706.3 | 709.7 | 713.1 | 715.3 | 716.4 | 717.5 | 718.6 | 719.7 |
| 127.5° | 756.0 | 758.5 | 761.1 | 762.8 | 763.6 | 764.5 | 765.3 | 766.2 |
| 130° | 786.2 | 789.1 | 791.9 | 793.8 | 794.7 | 795.7 | 796.5 | 797.4 |
| 132.5° | 816.1 | 818.9 | 821.7 | 823.4 | 824.1 | 824.8 | 825.6 | 826.4 |
| 135° | 856.4 | 859.2 | 861.9 | 864.0 | 865.3 | 866.6 | 867.8 | 869.1 |
| 137.5° | 895.7 | 898.3 | 900.9 | 902.5 | 903.1 | 903.7 | 904.4 | 905.0 |
| 140° | 920.0 | 922.6 | 925.1 | 926.8 | 927.7 | 928.6 | 929.5 | 930.5 |
| 142.5° | 942.9 | 945.0 | 947.2 | 948.6 | 949.2 | 949.9 | 950.5 | 951.2 |
| 145° | 976.0 | 977.1 | 978.2 | 979.2 | 980.2 | 981.1 | 982.1 | 983.1 |
| 147.5° | 1005.1 | 1005.4 | 1005.6 | 1006.2 | 1006.9 | 1007.5 | 1008.1 | 1008.8 |
| 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)