

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: P332579-935

Luminaire Tested: **S124DIP-S575D1205U935-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332579-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S575D1205U935-4F0-1E-UDD-F4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5852.2 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

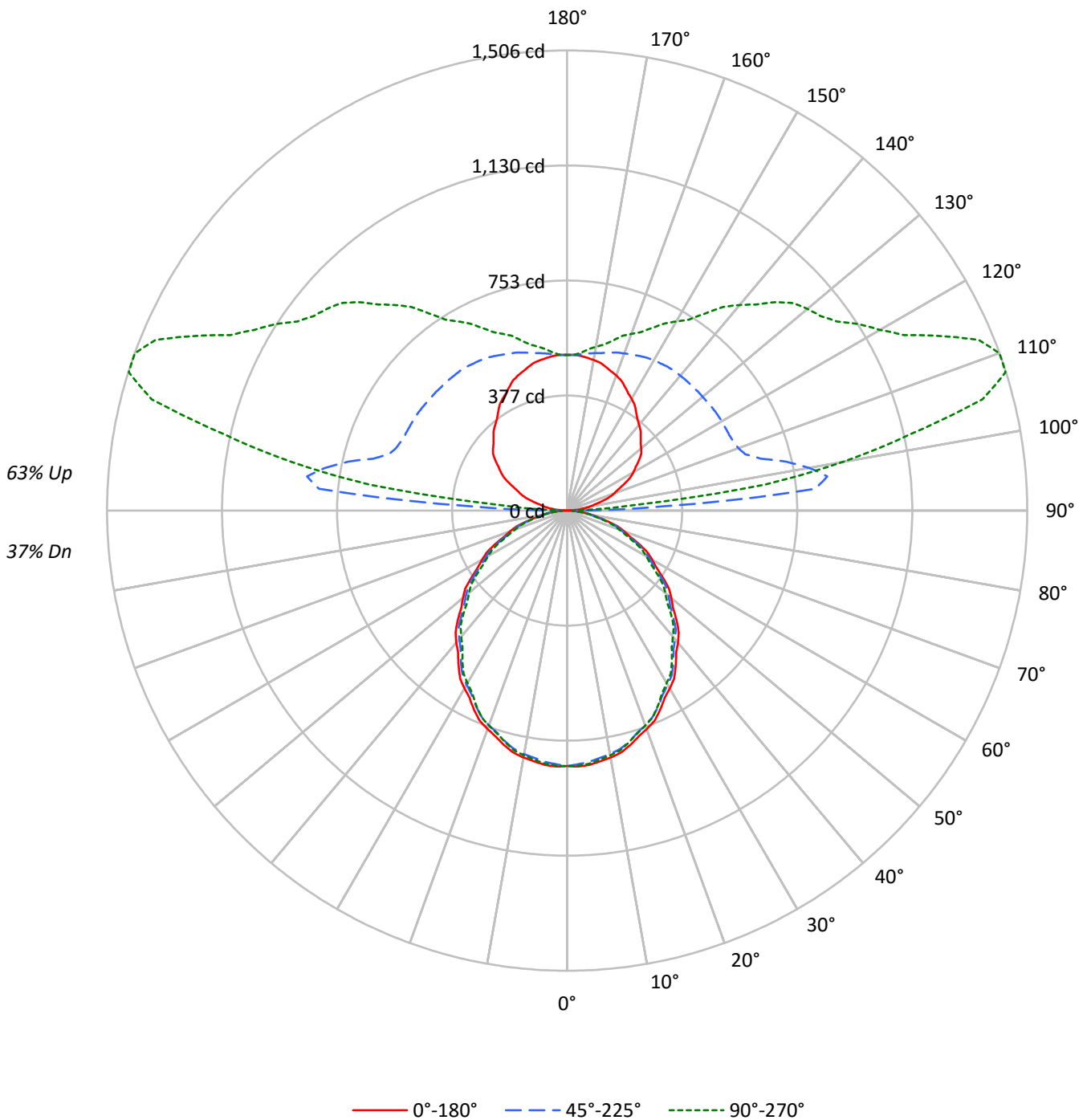
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332579-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332579-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-F4

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | | 59 | 59 | 59 | | 44 | 44 | 44 | 37 |
| 1 | 95 | 91 | 87 | 83 | 86 | 82 | 79 | 76 | 66 | 64 | 62 | | 52 | 51 | 49 | | 39 | 38 | 37 | 31 |
| 2 | 86 | 79 | 73 | 68 | 78 | 72 | 67 | 62 | 58 | 55 | 51 | | 46 | 43 | 41 | | 34 | 33 | 31 | 26 |
| 3 | 79 | 69 | 62 | 57 | 71 | 63 | 57 | 52 | 51 | 47 | 43 | | 40 | 37 | 35 | | 30 | 28 | 26 | 22 |
| 4 | 72 | 61 | 54 | 48 | 65 | 56 | 49 | 44 | 46 | 41 | 37 | | 36 | 32 | 30 | | 27 | 25 | 23 | 19 |
| 5 | 66 | 55 | 47 | 41 | 59 | 50 | 43 | 38 | 41 | 36 | 32 | | 32 | 29 | 26 | | 24 | 22 | 20 | 16 |
| 6 | 61 | 49 | 41 | 35 | 55 | 45 | 38 | 33 | 37 | 31 | 27 | | 29 | 25 | 22 | | 22 | 19 | 17 | 14 |
| 7 | 56 | 44 | 36 | 31 | 51 | 40 | 33 | 29 | 33 | 28 | 24 | | 26 | 23 | 20 | | 20 | 17 | 15 | 13 |
| 8 | 52 | 40 | 32 | 27 | 47 | 37 | 30 | 25 | 30 | 25 | 21 | | 24 | 20 | 18 | | 18 | 16 | 14 | 11 |
| 9 | 48 | 36 | 29 | 24 | 44 | 33 | 27 | 22 | 28 | 23 | 19 | | 22 | 18 | 16 | | 17 | 14 | 12 | 10 |
| 10 | 45 | 33 | 26 | 21 | 41 | 31 | 24 | 20 | 25 | 20 | 17 | | 20 | 17 | 14 | | 16 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6750 | 6750 | 6750 |
| 5° | 6771 | 6689 | 6738 |
| 10° | 6728 | 6634 | 6668 |
| 15° | 6647 | 6541 | 6557 |
| 20° | 6539 | 6424 | 6430 |
| 25° | 6415 | 6290 | 6272 |
| 30° | 6264 | 6134 | 6077 |
| 35° | 6107 | 5969 | 5889 |
| 40° | 5945 | 5782 | 5676 |
| 45° | 5775 | 5599 | 5492 |
| 50° | 5588 | 5436 | 5267 |
| 55° | 5384 | 5225 | 5054 |
| 60° | 5181 | 4986 | 4836 |
| 65° | 4951 | 4762 | 4569 |
| 70° | 4697 | 4459 | 4286 |
| 75° | 4304 | 4095 | 3989 |
| 80° | 3831 | 3673 | 3584 |
| 85° | 3353 | 3233 | 3168 |



TEST NUMBER: P332579-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.7 | 1.3 |
| 10°-20° | 221.9 | 3.8 |
| 20°-30° | 326.6 | 5.6 |
| 30°-40° | 379.6 | 6.5 |
| 40°-50° | 379.6 | 6.5 |
| 50°-60° | 332.1 | 5.7 |
| 60°-70° | 246.6 | 4.2 |
| 70°-80° | 140.1 | 2.4 |
| 80°-90° | 43.2 | 0.7 |
| 90°-100° | 367.8 | 6.3 |
| 100°-110° | 765.5 | 13.1 |
| 110°-120° | 685.7 | 11.7 |
| 120°-130° | 576.8 | 9.9 |
| 130°-140° | 480.9 | 8.2 |
| 140°-150° | 367.4 | 6.3 |
| 150°-160° | 258.2 | 4.4 |
| 160°-170° | 151.9 | 2.6 |
| 170°-180° | 49.4 | 0.8 |
| 0°-30° | 627.2 | 10.7 |
| 0°-40° | 1006.8 | 17.2 |
| 0°-60° | 1718.5 | 29.4 |
| 0°-90° | 2148.5 | 36.7 |
| 90°-120° | 1819.0 | 31.1 |
| 90°-150° | 3244.1 | 55.4 |
| 90°-180° | 3704.0 | 63.3 |
| 0°-180° | 5852.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 836 | 836 | 836 | 836 | 836 | |
| 5° | 836 | 833 | 825 | 832 | 832 | 79 |
| 15° | 795 | 792 | 783 | 786 | 784 | 224 |
| 25° | 720 | 715 | 706 | 707 | 704 | 331 |
| 35° | 620 | 615 | 606 | 601 | 598 | 387 |
| 45° | 506 | 501 | 490 | 483 | 481 | 390 |
| 55° | 382 | 380 | 371 | 363 | 359 | 343 |
| 65° | 259 | 256 | 249 | 243 | 239 | 257 |
| 75° | 138 | 135 | 131 | 129 | 128 | 147 |
| 85° | 36 | 36 | 35 | 35 | 34 | 40 |
| 90° | 1 | 8 | 18 | 20 | 21 | 4 |
| 95° | 33 | 104 | 815 | 404 | 244 | 37 |
| 105° | 117 | 170 | 656 | 1413 | 1408 | 125 |
| 115° | 206 | 259 | 585 | 1125 | 1352 | 204 |
| 125° | 287 | 341 | 582 | 957 | 1078 | 256 |
| 135° | 341 | 406 | 577 | 849 | 964 | 264 |
| 145° | 393 | 450 | 574 | 716 | 787 | 247 |
| 155° | 447 | 483 | 558 | 632 | 659 | 206 |
| 165° | 487 | 502 | 535 | 567 | 575 | 138 |
| 175° | 508 | 509 | 513 | 520 | 518 | 48 |
| 180° | 509 | 509 | 509 | 509 | 509 | |



TEST NUMBER: P332579-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0° | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 |
| 2.5° | 838.3 | 837.9 | 837.6 | 837.2 | 836.9 | 836.0 | 834.7 | 833.4 | 832.1 | 830.8 | 832.0 |
| 5° | 835.5 | 834.9 | 834.3 | 833.7 | 833.1 | 832.0 | 830.3 | 828.7 | 827.1 | 825.4 | 827.1 |
| 7.5° | 827.7 | 827.1 | 826.6 | 826.0 | 825.4 | 824.1 | 822.3 | 820.5 | 818.6 | 816.8 | 818.2 |
| 10° | 820.7 | 820.2 | 819.6 | 819.0 | 818.4 | 817.1 | 815.2 | 813.2 | 811.3 | 809.3 | 810.5 |
| 12.5° | 811.7 | 811.1 | 810.5 | 809.9 | 809.3 | 808.0 | 805.9 | 803.8 | 801.8 | 799.7 | 801.0 |
| 15° | 795.3 | 794.7 | 794.1 | 793.5 | 792.9 | 791.5 | 789.3 | 787.0 | 784.8 | 782.6 | 783.4 |
| 17.5° | 775.6 | 774.8 | 774.1 | 773.4 | 772.6 | 771.2 | 769.0 | 767.0 | 764.8 | 762.8 | 763.3 |
| 20° | 761.1 | 760.3 | 759.7 | 758.9 | 758.1 | 756.6 | 754.4 | 752.2 | 749.9 | 747.7 | 748.1 |
| 22.5° | 745.5 | 744.6 | 743.6 | 742.6 | 741.7 | 740.0 | 737.8 | 735.6 | 733.3 | 731.1 | 731.9 |
| 25° | 720.2 | 719.2 | 718.2 | 717.1 | 716.1 | 714.5 | 712.4 | 710.3 | 708.3 | 706.2 | 706.4 |
| 27.5° | 691.3 | 690.3 | 689.1 | 688.1 | 687.0 | 685.5 | 683.5 | 681.7 | 679.7 | 677.8 | 677.4 |
| 30° | 672.0 | 670.8 | 669.6 | 668.4 | 667.3 | 665.6 | 663.7 | 661.8 | 659.9 | 658.0 | 657.4 |
| 32.5° | 651.6 | 650.6 | 649.5 | 648.4 | 647.4 | 645.8 | 643.8 | 641.7 | 639.6 | 637.6 | 636.9 |
| 35° | 619.7 | 618.7 | 617.7 | 616.6 | 615.6 | 614.0 | 611.9 | 609.8 | 607.8 | 605.7 | 604.6 |
| 37.5° | 586.1 | 585.1 | 584.2 | 583.2 | 582.3 | 580.7 | 578.5 | 576.3 | 574.0 | 571.8 | 570.7 |
| 40° | 564.1 | 562.9 | 561.7 | 560.6 | 559.4 | 557.7 | 555.4 | 553.2 | 551.0 | 548.7 | 547.3 |
| 42.5° | 540.5 | 539.8 | 539.2 | 538.4 | 537.7 | 536.1 | 533.6 | 531.2 | 528.7 | 526.2 | 524.5 |
| 45° | 505.8 | 504.8 | 503.8 | 502.7 | 501.7 | 500.0 | 497.6 | 495.2 | 492.8 | 490.4 | 488.8 |
| 47.5° | 469.5 | 468.8 | 468.1 | 467.4 | 466.7 | 465.2 | 463.0 | 460.8 | 458.6 | 456.4 | 454.5 |
| 50° | 444.9 | 444.3 | 443.7 | 443.1 | 442.5 | 441.2 | 439.1 | 437.0 | 434.9 | 432.8 | 430.8 |
| 52.5° | 420.8 | 420.1 | 419.3 | 418.6 | 417.9 | 416.5 | 414.2 | 412.1 | 409.8 | 407.6 | 405.8 |
| 55° | 382.5 | 382.1 | 381.7 | 381.3 | 380.8 | 379.5 | 377.5 | 375.3 | 373.2 | 371.2 | 369.4 |
| 57.5° | 346.1 | 345.6 | 345.1 | 344.6 | 344.1 | 342.9 | 340.8 | 338.7 | 336.7 | 334.6 | 332.9 |
| 60° | 320.9 | 320.2 | 319.4 | 318.7 | 318.0 | 316.6 | 314.7 | 312.7 | 310.8 | 308.8 | 307.5 |
| 62.5° | 296.3 | 295.7 | 295.0 | 294.4 | 293.8 | 292.4 | 290.4 | 288.3 | 286.3 | 284.2 | 283.0 |
| 65° | 259.2 | 258.6 | 257.8 | 257.1 | 256.3 | 255.2 | 253.7 | 252.2 | 250.7 | 249.3 | 247.7 |
| 67.5° | 222.1 | 221.4 | 220.7 | 220.0 | 219.3 | 218.3 | 216.8 | 215.4 | 214.0 | 212.5 | 211.1 |
| 70° | 199.0 | 197.9 | 196.9 | 195.9 | 194.8 | 193.7 | 192.5 | 191.3 | 190.1 | 188.9 | 187.8 |
| 72.5° | 174.4 | 173.3 | 172.3 | 171.2 | 170.1 | 169.2 | 168.2 | 167.3 | 166.3 | 165.3 | 164.4 |
| 75° | 138.0 | 137.2 | 136.6 | 135.8 | 135.0 | 134.3 | 133.5 | 132.8 | 132.1 | 131.3 | 130.7 |
| 77.5° | 103.3 | 103.0 | 102.6 | 102.4 | 102.0 | 101.5 | 100.8 | 100.2 | 99.5 | 98.9 | 98.7 |
| 80° | 82.4 | 82.0 | 81.5 | 81.1 | 80.6 | 80.2 | 80.0 | 79.6 | 79.4 | 79.0 | 78.8 |
| 82.5° | 62.1 | 61.8 | 61.6 | 61.4 | 61.2 | 61.0 | 61.0 | 61.0 | 60.9 | 60.9 | 60.6 |
| 85° | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.0 | 35.7 | 35.5 | 35.1 | 34.9 | 34.9 |
| 87.5° | 14.1 | 14.4 | 14.9 | 15.0 | 15.1 | 15.0 | 16.0 | 15.9 | 16.2 | 16.4 | 16.3 |
| 90° | 1.0 | 3.0 | 6.0 | 7.0 | 8.0 | 8.0 | 14.0 | 14.0 | 16.0 | 18.0 | 17.0 |
| 92.5° | 11.4 | 16.6 | 26.0 | 38.2 | 52.9 | 73.6 | 124.5 | 202.1 | 277.8 | 317.4 | 264.3 |
| 95° | 33.0 | 36.0 | 46.1 | 59.1 | 83.0 | 125.1 | 212.1 | 376.2 | 615.3 | 815.4 | 838.4 |
| 97.5° | 59.2 | 59.2 | 67.8 | 79.8 | 100.5 | 135.7 | 202.7 | 338.2 | 575.8 | 858.8 | 1053.3 |
| 100° | 76.0 | 76.0 | 83.0 | 95.1 | 114.1 | 146.1 | 205.1 | 318.1 | 522.3 | 804.3 | 1060.5 |
| 102.5° | 92.0 | 93.7 | 99.9 | 111.1 | 129.2 | 159.7 | 213.1 | 312.5 | 486.2 | 736.3 | 1000.5 |
| 105° | 117.1 | 120.0 | 125.1 | 137.1 | 155.1 | 184.1 | 232.1 | 315.1 | 455.2 | 656.3 | 891.4 |
| 107.5° | 144.6 | 146.6 | 151.7 | 164.5 | 181.7 | 210.3 | 254.3 | 329.9 | 449.6 | 611.5 | 803.4 |
| 110° | 163.1 | 165.1 | 170.0 | 182.1 | 200.1 | 227.1 | 271.1 | 341.1 | 451.3 | 596.3 | 759.4 |



TEST NUMBER: P332579-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 180.7 | 182.7 | 188.5 | 199.7 | 217.7 | 244.7 | 287.1 | 353.2 | 456.0 | 589.1 | 734.5 |
| 115° | 206.1 | 209.1 | 216.1 | 226.1 | 245.1 | 272.2 | 312.1 | 372.2 | 465.2 | 585.3 | 711.4 |
| 117.5° | 232.5 | 235.3 | 241.5 | 252.5 | 270.4 | 298.3 | 336.4 | 391.6 | 475.0 | 584.3 | 700.9 |
| 120° | 250.1 | 252.1 | 259.2 | 270.1 | 287.1 | 315.1 | 353.2 | 405.2 | 482.2 | 584.3 | 695.3 |
| 122.5° | 266.1 | 268.1 | 275.2 | 285.3 | 303.9 | 331.1 | 369.2 | 418.0 | 489.5 | 583.5 | 689.0 |
| 125° | 287.1 | 291.1 | 297.1 | 308.2 | 327.2 | 355.2 | 391.2 | 437.2 | 500.2 | 582.3 | 678.3 |
| 127.5° | 305.7 | 308.9 | 316.2 | 328.7 | 348.5 | 376.8 | 411.6 | 453.8 | 508.9 | 580.1 | 664.1 |
| 130° | 316.2 | 320.1 | 328.1 | 343.2 | 362.1 | 391.2 | 425.2 | 464.3 | 515.2 | 579.3 | 655.3 |
| 132.5° | 326.6 | 329.8 | 340.2 | 354.4 | 375.0 | 402.4 | 436.4 | 474.7 | 520.8 | 578.5 | 647.3 |
| 135° | 341.1 | 345.2 | 355.2 | 372.2 | 393.2 | 419.2 | 452.2 | 488.3 | 529.3 | 577.3 | 635.3 |
| 137.5° | 355.8 | 359.6 | 370.6 | 386.8 | 408.6 | 433.4 | 464.3 | 497.8 | 534.3 | 577.0 | 624.9 |
| 140° | 366.2 | 369.2 | 380.2 | 397.2 | 418.2 | 442.2 | 472.3 | 504.2 | 538.3 | 576.3 | 619.3 |
| 142.5° | 377.4 | 380.4 | 390.5 | 406.8 | 427.0 | 450.2 | 479.4 | 509.0 | 541.5 | 576.3 | 614.5 |
| 145° | 393.2 | 396.2 | 406.2 | 420.2 | 439.2 | 461.2 | 487.2 | 514.3 | 543.3 | 574.3 | 606.3 |
| 147.5° | 411.0 | 412.0 | 420.8 | 435.2 | 451.0 | 470.8 | 495.2 | 518.8 | 544.2 | 570.7 | 598.9 |
| 150° | 422.2 | 423.2 | 431.2 | 443.2 | 458.2 | 477.3 | 499.2 | 521.2 | 544.2 | 568.3 | 593.3 |
| 152.5° | 432.6 | 432.8 | 440.8 | 452.0 | 465.5 | 482.8 | 502.5 | 522.9 | 542.7 | 564.3 | 586.9 |
| 155° | 447.2 | 448.2 | 454.2 | 464.3 | 475.3 | 490.3 | 507.2 | 524.3 | 540.3 | 558.3 | 577.3 |
| 157.5° | 461.4 | 461.4 | 467.0 | 474.8 | 484.4 | 496.3 | 510.7 | 524.3 | 537.7 | 552.1 | 567.5 |
| 160° | 470.2 | 470.2 | 474.2 | 481.2 | 489.2 | 500.2 | 512.2 | 524.3 | 535.3 | 547.3 | 560.3 |
| 162.5° | 478.2 | 477.4 | 480.6 | 486.8 | 494.0 | 502.7 | 513.8 | 524.3 | 532.9 | 542.4 | 553.9 |
| 165° | 487.2 | 487.2 | 489.2 | 494.2 | 499.2 | 505.2 | 514.3 | 522.3 | 528.2 | 535.3 | 543.3 |
| 167.5° | 496.3 | 495.2 | 496.3 | 500.1 | 502.8 | 507.5 | 514.0 | 519.9 | 523.5 | 528.1 | 533.6 |
| 170° | 500.2 | 499.2 | 500.2 | 503.3 | 505.2 | 508.2 | 513.2 | 518.2 | 520.2 | 523.2 | 527.3 |
| 172.5° | 504.2 | 503.3 | 503.4 | 505.7 | 506.9 | 509.0 | 512.5 | 516.7 | 517.0 | 518.4 | 521.7 |
| 175° | 508.2 | 507.2 | 507.2 | 508.2 | 509.3 | 509.3 | 511.3 | 514.3 | 513.2 | 513.2 | 515.2 |
| 177.5° | 510.1 | 509.3 | 508.4 | 509.3 | 509.3 | 509.3 | 510.1 | 511.6 | 510.1 | 510.1 | 510.8 |
| 180° | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 |



TEST NUMBER: P332579-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 | 836.1 |
| 2.5° | 833.2 | 834.4 | 835.6 | 836.1 | 835.9 | 835.9 | 835.8 | 835.6 |
| 5° | 828.7 | 830.3 | 832.0 | 832.7 | 832.3 | 832.1 | 831.7 | 831.5 |
| 7.5° | 819.5 | 820.8 | 822.1 | 822.7 | 822.5 | 822.3 | 822.2 | 821.9 |
| 10° | 811.8 | 813.0 | 814.2 | 814.6 | 814.2 | 814.0 | 813.6 | 813.4 |
| 12.5° | 802.4 | 803.7 | 804.9 | 805.4 | 804.9 | 804.5 | 804.2 | 803.7 |
| 15° | 784.4 | 785.2 | 786.1 | 786.4 | 785.9 | 785.5 | 785.0 | 784.5 |
| 17.5° | 763.9 | 764.4 | 765.0 | 765.1 | 764.8 | 764.5 | 764.2 | 764.0 |
| 20° | 748.6 | 749.1 | 749.5 | 749.6 | 749.2 | 749.0 | 748.7 | 748.4 |
| 22.5° | 732.7 | 733.5 | 734.3 | 734.4 | 733.9 | 733.4 | 732.9 | 732.3 |
| 25° | 706.5 | 706.6 | 706.8 | 706.5 | 705.9 | 705.3 | 704.7 | 704.1 |
| 27.5° | 677.1 | 676.7 | 676.3 | 675.8 | 675.0 | 674.3 | 673.6 | 672.8 |
| 30° | 656.8 | 656.2 | 655.6 | 654.9 | 654.1 | 653.4 | 652.6 | 651.9 |
| 32.5° | 636.1 | 635.4 | 634.7 | 634.0 | 633.3 | 632.5 | 631.7 | 631.0 |
| 35° | 603.6 | 602.5 | 601.5 | 600.6 | 599.9 | 599.1 | 598.4 | 597.6 |
| 37.5° | 569.6 | 568.3 | 567.2 | 566.2 | 565.2 | 564.2 | 563.3 | 562.2 |
| 40° | 545.8 | 544.2 | 542.8 | 541.7 | 540.9 | 540.2 | 539.4 | 538.6 |
| 42.5° | 522.8 | 521.0 | 519.3 | 518.1 | 517.7 | 517.2 | 516.7 | 516.2 |
| 45° | 487.2 | 485.5 | 483.9 | 482.8 | 482.4 | 482.0 | 481.5 | 481.0 |
| 47.5° | 452.7 | 450.8 | 449.0 | 447.5 | 446.4 | 445.2 | 444.1 | 443.0 |
| 50° | 428.6 | 426.5 | 424.5 | 423.0 | 422.1 | 421.2 | 420.3 | 419.4 |
| 52.5° | 403.9 | 402.1 | 400.3 | 398.7 | 397.6 | 396.5 | 395.4 | 394.3 |
| 55° | 367.6 | 365.8 | 364.0 | 362.7 | 361.8 | 360.9 | 360.0 | 359.1 |
| 57.5° | 331.2 | 329.5 | 327.8 | 326.5 | 325.6 | 324.8 | 323.9 | 323.0 |
| 60° | 306.2 | 304.9 | 303.5 | 302.5 | 301.7 | 301.0 | 300.2 | 299.5 |
| 62.5° | 281.8 | 280.5 | 279.3 | 278.4 | 277.6 | 276.9 | 276.1 | 275.3 |
| 65° | 246.2 | 244.8 | 243.3 | 242.2 | 241.4 | 240.6 | 240.0 | 239.2 |
| 67.5° | 209.7 | 208.3 | 206.8 | 206.0 | 205.8 | 205.6 | 205.3 | 205.2 |
| 70° | 186.6 | 185.4 | 184.2 | 183.4 | 182.9 | 182.4 | 182.0 | 181.6 |
| 72.5° | 163.4 | 162.5 | 161.5 | 160.8 | 160.4 | 160.0 | 159.5 | 159.0 |
| 75° | 130.1 | 129.5 | 129.0 | 128.5 | 128.4 | 128.3 | 128.1 | 127.9 |
| 77.5° | 98.5 | 98.3 | 98.2 | 97.9 | 97.5 | 97.1 | 96.7 | 96.3 |
| 80° | 78.4 | 78.2 | 77.8 | 77.7 | 77.5 | 77.3 | 77.2 | 77.1 |
| 82.5° | 60.4 | 60.3 | 60.1 | 59.9 | 59.8 | 59.7 | 59.5 | 59.3 |
| 85° | 34.9 | 34.9 | 34.9 | 34.8 | 34.6 | 34.4 | 34.4 | 34.2 |
| 87.5° | 16.4 | 16.7 | 16.9 | 16.9 | 17.0 | 17.3 | 17.0 | 17.0 |
| 90° | 18.0 | 19.0 | 20.0 | 20.0 | 21.0 | 22.0 | 21.0 | 21.0 |
| 92.5° | 196.5 | 147.8 | 117.7 | 97.6 | 85.8 | 80.4 | 77.1 | 77.1 |
| 95° | 741.3 | 586.3 | 452.2 | 355.2 | 306.2 | 275.2 | 257.1 | 244.1 |
| 97.5° | 1095.4 | 1037.7 | 939.9 | 835.4 | 763.5 | 703.4 | 673.3 | 652.6 |
| 100° | 1206.6 | 1226.6 | 1177.6 | 1103.5 | 1016.5 | 955.5 | 925.5 | 917.5 |
| 102.5° | 1201.0 | 1300.2 | 1314.4 | 1283.6 | 1230.2 | 1185.9 | 1154.3 | 1148.0 |
| 105° | 1120.5 | 1293.7 | 1392.7 | 1433.7 | 1435.7 | 1427.7 | 1413.7 | 1407.6 |
| 107.5° | 1006.3 | 1190.6 | 1330.1 | 1419.3 | 1468.7 | 1491.5 | 1501.5 | 1504.2 |
| 110° | 937.5 | 1110.5 | 1255.6 | 1365.6 | 1436.7 | 1478.7 | 1496.8 | 1505.7 |



TEST NUMBER: P332579-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 887.0 | 1040.1 | 1177.2 | 1287.2 | 1367.9 | 1418.7 | 1443.9 | 1458.5 |
| 115° | 836.4 | 959.5 | 1076.5 | 1172.6 | 1251.6 | 1311.6 | 1343.7 | 1351.7 |
| 117.5° | 811.6 | 913.4 | 1005.5 | 1086.9 | 1154.3 | 1204.8 | 1237.2 | 1243.4 |
| 120° | 800.4 | 893.5 | 973.4 | 1044.5 | 1101.6 | 1145.6 | 1171.6 | 1182.6 |
| 122.5° | 790.7 | 880.6 | 953.5 | 1015.7 | 1063.9 | 1101.6 | 1123.5 | 1134.5 |
| 125° | 774.4 | 860.4 | 929.4 | 984.5 | 1024.5 | 1053.5 | 1072.5 | 1078.5 |
| 127.5° | 754.3 | 836.6 | 905.4 | 957.7 | 997.9 | 1023.7 | 1039.7 | 1045.7 |
| 130° | 738.4 | 817.4 | 885.5 | 938.5 | 979.5 | 1004.4 | 1020.5 | 1026.5 |
| 132.5° | 721.5 | 795.8 | 862.2 | 915.2 | 955.5 | 983.7 | 998.8 | 1004.9 |
| 135° | 698.4 | 763.4 | 824.4 | 874.4 | 914.5 | 942.5 | 958.5 | 964.5 |
| 137.5° | 677.3 | 732.4 | 783.8 | 829.0 | 866.4 | 894.1 | 907.2 | 914.5 |
| 140° | 665.3 | 712.3 | 757.3 | 799.4 | 834.4 | 856.4 | 870.4 | 878.4 |
| 142.5° | 654.1 | 695.5 | 734.2 | 770.6 | 801.6 | 822.0 | 834.4 | 840.0 |
| 145° | 638.3 | 672.4 | 702.3 | 730.4 | 755.4 | 772.4 | 782.4 | 787.4 |
| 147.5° | 625.3 | 652.3 | 676.3 | 698.4 | 716.8 | 731.3 | 739.0 | 740.7 |
| 150° | 617.3 | 640.3 | 660.3 | 678.3 | 694.3 | 707.3 | 713.3 | 714.4 |
| 152.5° | 608.5 | 628.3 | 646.7 | 661.5 | 675.1 | 685.7 | 689.3 | 690.3 |
| 155° | 595.3 | 611.3 | 626.3 | 638.3 | 648.3 | 656.3 | 659.4 | 659.4 |
| 157.5° | 581.1 | 594.5 | 607.1 | 616.7 | 624.3 | 630.3 | 632.1 | 632.1 |
| 160° | 572.3 | 583.2 | 594.3 | 602.3 | 608.3 | 614.3 | 615.3 | 615.3 |
| 162.5° | 563.4 | 572.9 | 581.5 | 588.7 | 593.1 | 599.1 | 600.1 | 599.3 |
| 165° | 551.3 | 557.2 | 564.3 | 569.3 | 573.3 | 577.3 | 576.3 | 575.3 |
| 167.5° | 539.5 | 544.1 | 549.7 | 552.7 | 554.7 | 557.2 | 557.1 | 556.3 |
| 170° | 532.3 | 535.3 | 539.2 | 542.3 | 544.2 | 545.3 | 544.2 | 544.2 |
| 172.5° | 525.8 | 528.1 | 530.5 | 532.6 | 533.8 | 534.9 | 533.8 | 532.3 |
| 175° | 517.3 | 518.2 | 520.2 | 520.2 | 520.2 | 522.3 | 520.2 | 518.2 |
| 177.5° | 511.6 | 512.5 | 512.5 | 513.2 | 512.5 | 513.2 | 511.6 | 510.1 |
| 180° | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 |

(END OF REPORT)