

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: P332552-927

Luminaire Tested: **S124DIP-S575D590U927-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332552-927
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-S575D590U927-4F0-1E-UDD-F4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3648.4 lumens
Efficiency: N/A
Efficacy: 111.2 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: General Diffuse

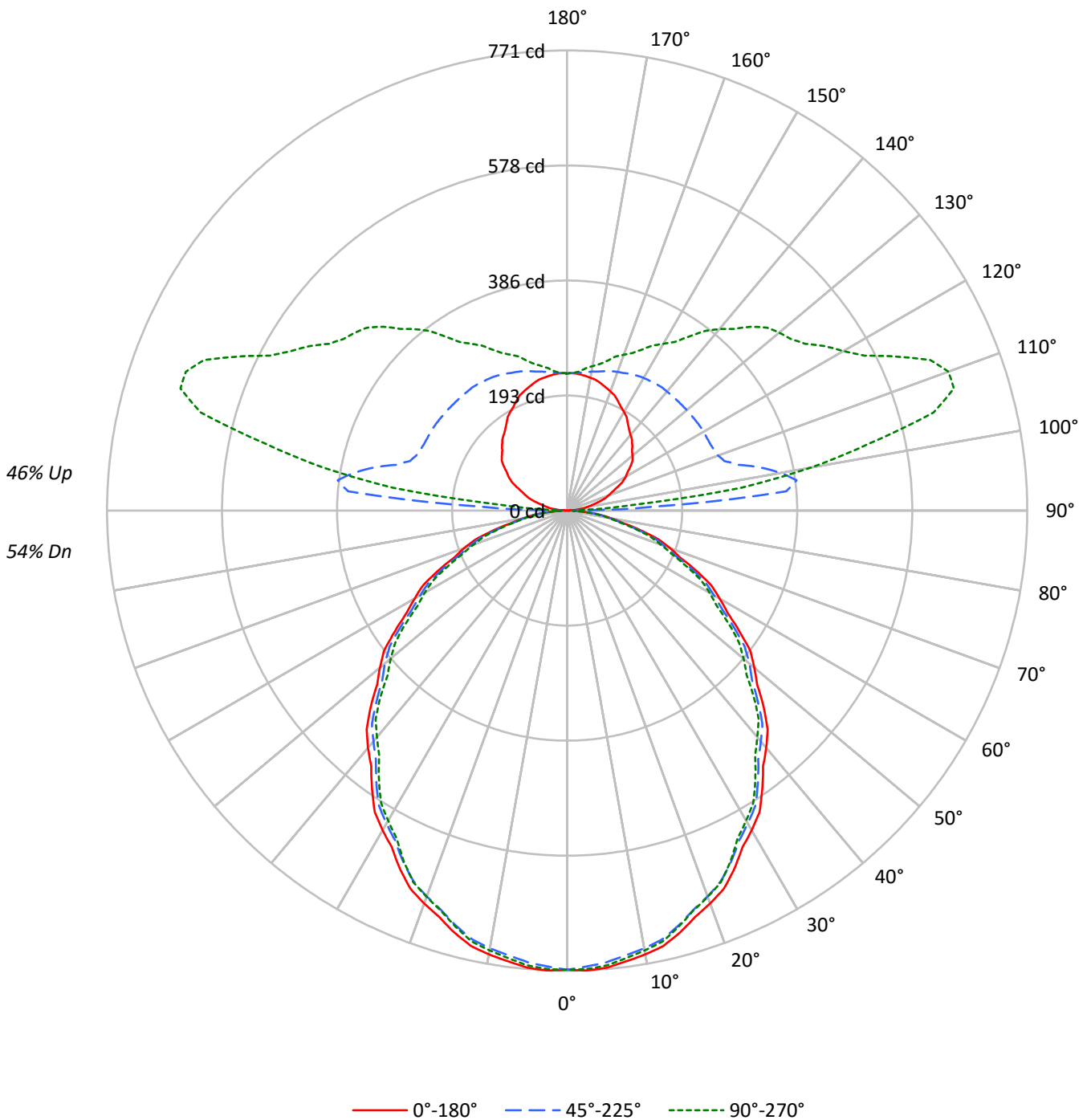
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332552-927

CATALOG NUMBER: S124DIP-S575D590U927-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332552-927

CATALOG NUMBER: S124DIP-S575D590U927-4F0-1E-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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 86 | 86 | 86 | 72 | 72 | 72 | 60 | 60 | 60 | 54 |
| 1 | 99 | 94 | 90 | 87 | 91 | 88 | 84 | 81 | 75 | 73 | 70 | 64 | 62 | 60 | 53 | 52 | 51 | 46 |
| 2 | 90 | 82 | 76 | 71 | 83 | 77 | 71 | 67 | 66 | 62 | 58 | 56 | 53 | 50 | 47 | 44 | 43 | 38 |
| 3 | 82 | 72 | 65 | 59 | 76 | 67 | 61 | 56 | 58 | 53 | 49 | 49 | 46 | 42 | 41 | 39 | 36 | 32 |
| 4 | 75 | 64 | 56 | 50 | 69 | 60 | 53 | 47 | 52 | 46 | 42 | 44 | 40 | 36 | 37 | 34 | 31 | 28 |
| 5 | 69 | 57 | 49 | 43 | 64 | 53 | 46 | 41 | 46 | 40 | 36 | 39 | 35 | 32 | 33 | 30 | 27 | 24 |
| 6 | 63 | 51 | 43 | 37 | 59 | 48 | 41 | 35 | 42 | 36 | 31 | 36 | 31 | 28 | 30 | 27 | 24 | 21 |
| 7 | 59 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 38 | 32 | 28 | 32 | 28 | 24 | 28 | 24 | 21 | 19 |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 | 17 |
| 9 | 51 | 38 | 31 | 26 | 47 | 36 | 29 | 25 | 32 | 26 | 22 | 27 | 23 | 20 | 23 | 20 | 17 | 15 |
| 10 | 47 | 35 | 28 | 23 | 44 | 33 | 27 | 22 | 29 | 24 | 20 | 25 | 21 | 18 | 22 | 18 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6211 | 6211 | 6211 |
| 5° | 6229 | 6155 | 6199 |
| 10° | 6190 | 6105 | 6135 |
| 15° | 6115 | 6018 | 6033 |
| 20° | 6016 | 5910 | 5916 |
| 25° | 5903 | 5787 | 5770 |
| 30° | 5764 | 5643 | 5591 |
| 35° | 5619 | 5492 | 5419 |
| 40° | 5469 | 5321 | 5223 |
| 45° | 5313 | 5151 | 5053 |
| 50° | 5141 | 5001 | 4847 |
| 55° | 4954 | 4807 | 4650 |
| 60° | 4766 | 4589 | 4448 |
| 65° | 4556 | 4380 | 4204 |
| 70° | 4322 | 4102 | 3944 |
| 75° | 3961 | 3768 | 3671 |
| 80° | 3524 | 3380 | 3296 |
| 85° | 3084 | 2973 | 2908 |



TEST NUMBER: P332552-927

CATALOG NUMBER: S124DIP-S575D590U927-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.5 | 2.0 |
| 10°-20° | 204.1 | 5.6 |
| 20°-30° | 300.5 | 8.2 |
| 30°-40° | 349.3 | 9.6 |
| 40°-50° | 349.3 | 9.6 |
| 50°-60° | 305.5 | 8.4 |
| 60°-70° | 226.9 | 6.2 |
| 70°-80° | 128.9 | 3.5 |
| 80°-90° | 38.5 | 1.1 |
| 90°-100° | 166.1 | 4.6 |
| 100°-110° | 345.8 | 9.5 |
| 110°-120° | 309.7 | 8.5 |
| 120°-130° | 260.5 | 7.1 |
| 130°-140° | 217.2 | 6.0 |
| 140°-150° | 166.0 | 4.5 |
| 150°-160° | 116.6 | 3.2 |
| 160°-170° | 68.6 | 1.9 |
| 170°-180° | 22.3 | 0.6 |
| 0°-30° | 577.0 | 15.8 |
| 0°-40° | 926.3 | 25.4 |
| 0°-60° | 1581.2 | 43.3 |
| 0°-90° | 1975.5 | 54.1 |
| 90°-120° | 821.6 | 22.5 |
| 90°-150° | 1465.3 | 40.2 |
| 90°-180° | 1673.0 | 45.9 |
| 0°-180° | 3648.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 769 | 769 | 769 | 769 | 769 | |
| 5° | 769 | 766 | 760 | 766 | 765 | 73 |
| 15° | 732 | 729 | 720 | 723 | 722 | 206 |
| 25° | 663 | 658 | 650 | 650 | 648 | 305 |
| 35° | 570 | 566 | 557 | 553 | 550 | 356 |
| 45° | 465 | 461 | 451 | 445 | 443 | 359 |
| 55° | 352 | 350 | 342 | 334 | 330 | 315 |
| 65° | 238 | 235 | 229 | 223 | 220 | 236 |
| 75° | 127 | 124 | 121 | 118 | 118 | 135 |
| 85° | 33 | 33 | 32 | 32 | 31 | 37 |
| 90° | 0 | 4 | 8 | 9 | 10 | 3 |
| 95° | 15 | 47 | 368 | 182 | 110 | 17 |
| 105° | 53 | 77 | 296 | 638 | 636 | 56 |
| 115° | 93 | 117 | 264 | 508 | 610 | 92 |
| 125° | 130 | 154 | 263 | 432 | 487 | 115 |
| 135° | 154 | 183 | 261 | 384 | 436 | 119 |
| 145° | 178 | 203 | 259 | 324 | 356 | 111 |
| 155° | 202 | 218 | 252 | 286 | 298 | 93 |
| 165° | 220 | 227 | 242 | 256 | 260 | 62 |
| 175° | 230 | 230 | 232 | 235 | 234 | 22 |
| 180° | 230 | 230 | 230 | 230 | 230 | |



TEST NUMBER: P332552-927

CATALOG NUMBER: S124DIP-S575D590U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 |
| 2.5° | 771.3 | 771.0 | 770.6 | 770.3 | 770.0 | 769.2 | 768.0 | 766.8 | 765.6 | 764.4 | 765.5 |
| 5° | 768.7 | 768.2 | 767.6 | 767.1 | 766.5 | 765.5 | 764.0 | 762.5 | 761.0 | 759.5 | 761.0 |
| 7.5° | 761.5 | 761.0 | 760.5 | 759.9 | 759.4 | 758.3 | 756.6 | 754.9 | 753.2 | 751.5 | 752.8 |
| 10° | 755.1 | 754.6 | 754.1 | 753.5 | 753.0 | 751.8 | 750.0 | 748.2 | 746.5 | 744.7 | 745.8 |
| 12.5° | 746.8 | 746.2 | 745.7 | 745.1 | 744.6 | 743.4 | 741.5 | 739.6 | 737.7 | 735.8 | 737.0 |
| 15° | 731.7 | 731.2 | 730.6 | 730.1 | 729.5 | 728.3 | 726.2 | 724.1 | 722.1 | 720.0 | 720.8 |
| 17.5° | 713.6 | 712.9 | 712.3 | 711.5 | 710.8 | 709.6 | 707.6 | 705.7 | 703.7 | 701.8 | 702.3 |
| 20° | 700.3 | 699.6 | 698.9 | 698.2 | 697.5 | 696.2 | 694.1 | 692.1 | 690.0 | 687.9 | 688.3 |
| 22.5° | 686.0 | 685.1 | 684.2 | 683.3 | 682.4 | 680.9 | 678.8 | 676.8 | 674.7 | 672.6 | 673.4 |
| 25° | 662.7 | 661.7 | 660.8 | 659.8 | 658.9 | 657.4 | 655.5 | 653.6 | 651.6 | 649.7 | 649.9 |
| 27.5° | 636.0 | 635.1 | 634.1 | 633.1 | 632.1 | 630.7 | 628.9 | 627.2 | 625.3 | 623.6 | 623.3 |
| 30° | 618.3 | 617.2 | 616.1 | 615.0 | 613.9 | 612.4 | 610.7 | 608.9 | 607.1 | 605.4 | 604.8 |
| 32.5° | 599.5 | 598.6 | 597.5 | 596.6 | 595.6 | 594.1 | 592.3 | 590.4 | 588.5 | 586.6 | 586.0 |
| 35° | 570.2 | 569.3 | 568.3 | 567.4 | 566.4 | 564.9 | 563.0 | 561.1 | 559.2 | 557.3 | 556.3 |
| 37.5° | 539.2 | 538.4 | 537.5 | 536.6 | 535.8 | 534.3 | 532.3 | 530.2 | 528.1 | 526.1 | 525.1 |
| 40° | 519.0 | 517.9 | 516.8 | 515.8 | 514.7 | 513.1 | 511.0 | 509.0 | 506.9 | 504.9 | 503.5 |
| 42.5° | 497.3 | 496.7 | 496.1 | 495.4 | 494.7 | 493.2 | 491.0 | 488.7 | 486.4 | 484.2 | 482.6 |
| 45° | 465.4 | 464.5 | 463.5 | 462.6 | 461.6 | 460.0 | 457.8 | 455.6 | 453.4 | 451.2 | 449.7 |
| 47.5° | 432.0 | 431.3 | 430.7 | 430.0 | 429.4 | 428.0 | 426.0 | 424.0 | 421.9 | 419.9 | 418.2 |
| 50° | 409.3 | 408.8 | 408.2 | 407.7 | 407.1 | 405.9 | 404.0 | 402.0 | 400.1 | 398.2 | 396.3 |
| 52.5° | 387.1 | 386.5 | 385.8 | 385.2 | 384.5 | 383.2 | 381.1 | 379.1 | 377.1 | 375.0 | 373.4 |
| 55° | 352.0 | 351.6 | 351.2 | 350.8 | 350.4 | 349.2 | 347.3 | 345.3 | 343.4 | 341.5 | 339.8 |
| 57.5° | 318.5 | 318.0 | 317.5 | 317.0 | 316.6 | 315.4 | 313.5 | 311.6 | 309.7 | 307.8 | 306.3 |
| 60° | 295.2 | 294.6 | 293.9 | 293.2 | 292.6 | 291.3 | 289.5 | 287.7 | 286.0 | 284.2 | 283.0 |
| 62.5° | 272.6 | 272.0 | 271.4 | 270.8 | 270.3 | 269.0 | 267.2 | 265.3 | 263.4 | 261.5 | 260.4 |
| 65° | 238.5 | 237.9 | 237.2 | 236.5 | 235.8 | 234.8 | 233.5 | 232.0 | 230.7 | 229.3 | 227.9 |
| 67.5° | 204.3 | 203.7 | 203.0 | 202.4 | 201.8 | 200.8 | 199.5 | 198.2 | 196.9 | 195.5 | 194.2 |
| 70° | 183.1 | 182.1 | 181.2 | 180.2 | 179.3 | 178.2 | 177.1 | 176.0 | 174.9 | 173.8 | 172.8 |
| 72.5° | 160.4 | 159.5 | 158.5 | 157.5 | 156.5 | 155.7 | 154.8 | 153.9 | 153.0 | 152.1 | 151.2 |
| 75° | 127.0 | 126.3 | 125.6 | 124.9 | 124.2 | 123.6 | 122.9 | 122.2 | 121.5 | 120.8 | 120.3 |
| 77.5° | 95.1 | 94.7 | 94.4 | 94.2 | 93.9 | 93.4 | 92.8 | 92.2 | 91.6 | 91.0 | 90.8 |
| 80° | 75.8 | 75.4 | 75.0 | 74.6 | 74.1 | 73.8 | 73.6 | 73.3 | 73.0 | 72.7 | 72.5 |
| 82.5° | 57.1 | 56.9 | 56.7 | 56.5 | 56.3 | 56.2 | 56.2 | 56.1 | 56.0 | 56.0 | 55.8 |
| 85° | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.1 | 32.9 | 32.6 | 32.3 | 32.1 | 32.1 |
| 87.5° | 12.9 | 13.0 | 13.2 | 13.2 | 13.1 | 13.0 | 13.5 | 13.3 | 13.4 | 13.5 | 13.4 |
| 90° | 0.5 | 1.3 | 2.7 | 3.2 | 3.6 | 3.6 | 6.3 | 6.3 | 7.2 | 8.2 | 7.7 |
| 92.5° | 5.1 | 7.5 | 11.7 | 17.3 | 23.8 | 33.3 | 56.2 | 91.3 | 125.5 | 143.3 | 119.4 |
| 95° | 14.9 | 16.2 | 20.8 | 26.7 | 37.5 | 56.5 | 95.8 | 169.9 | 277.9 | 368.3 | 378.7 |
| 97.5° | 26.8 | 26.8 | 30.7 | 36.0 | 45.4 | 61.3 | 91.6 | 152.7 | 260.2 | 387.9 | 475.8 |
| 100° | 34.4 | 34.4 | 37.5 | 42.9 | 51.5 | 66.0 | 92.6 | 143.7 | 235.9 | 363.3 | 479.0 |
| 102.5° | 41.6 | 42.3 | 45.1 | 50.1 | 58.4 | 72.1 | 96.3 | 141.2 | 219.6 | 332.6 | 451.9 |
| 105° | 52.8 | 54.3 | 56.5 | 61.9 | 70.0 | 83.2 | 104.8 | 142.4 | 205.7 | 296.4 | 402.7 |
| 107.5° | 65.4 | 66.2 | 68.5 | 74.3 | 82.1 | 95.0 | 114.9 | 149.0 | 203.1 | 276.2 | 362.9 |
| 110° | 73.7 | 74.5 | 76.8 | 82.2 | 90.4 | 102.6 | 122.5 | 154.1 | 203.8 | 269.3 | 343.0 |



TEST NUMBER: P332552-927

CATALOG NUMBER: S124DIP-S575D590U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 81.6 | 82.5 | 85.2 | 90.2 | 98.3 | 110.5 | 129.7 | 159.5 | 206.0 | 266.1 | 331.8 |
| 115° | 93.1 | 94.4 | 97.6 | 102.1 | 110.7 | 122.9 | 141.0 | 168.1 | 210.2 | 264.4 | 321.3 |
| 117.5° | 105.0 | 106.3 | 109.1 | 114.1 | 122.1 | 134.8 | 151.9 | 176.9 | 214.5 | 263.9 | 316.6 |
| 120° | 113.0 | 113.9 | 117.0 | 122.0 | 129.7 | 142.4 | 159.5 | 183.0 | 217.9 | 263.9 | 314.1 |
| 122.5° | 120.2 | 121.1 | 124.3 | 128.9 | 137.3 | 149.6 | 166.8 | 188.8 | 221.1 | 263.6 | 311.2 |
| 125° | 129.7 | 131.5 | 134.2 | 139.2 | 147.7 | 160.4 | 176.7 | 197.5 | 225.9 | 263.0 | 306.4 |
| 127.5° | 138.1 | 139.6 | 142.8 | 148.5 | 157.4 | 170.2 | 185.9 | 205.0 | 229.8 | 262.0 | 300.0 |
| 130° | 142.8 | 144.6 | 148.2 | 155.0 | 163.6 | 176.7 | 192.0 | 209.7 | 232.7 | 261.7 | 296.0 |
| 132.5° | 147.5 | 148.9 | 153.7 | 160.1 | 169.4 | 181.7 | 197.1 | 214.4 | 235.3 | 261.3 | 292.4 |
| 135° | 154.1 | 155.9 | 160.4 | 168.1 | 177.6 | 189.3 | 204.2 | 220.5 | 239.1 | 260.7 | 286.9 |
| 137.5° | 160.7 | 162.4 | 167.4 | 174.7 | 184.6 | 195.7 | 209.7 | 224.9 | 241.3 | 260.6 | 282.3 |
| 140° | 165.4 | 166.8 | 171.7 | 179.4 | 188.9 | 199.7 | 213.3 | 227.8 | 243.1 | 260.3 | 279.7 |
| 142.5° | 170.5 | 171.8 | 176.4 | 183.7 | 192.9 | 203.4 | 216.6 | 229.9 | 244.5 | 260.3 | 277.6 |
| 145° | 177.6 | 179.0 | 183.5 | 189.8 | 198.4 | 208.3 | 220.1 | 232.3 | 245.4 | 259.4 | 273.9 |
| 147.5° | 185.6 | 186.1 | 190.0 | 196.5 | 203.7 | 212.7 | 223.7 | 234.3 | 245.8 | 257.8 | 270.5 |
| 150° | 190.7 | 191.2 | 194.8 | 200.2 | 207.0 | 215.6 | 225.5 | 235.4 | 245.8 | 256.7 | 268.0 |
| 152.5° | 195.4 | 195.5 | 199.1 | 204.1 | 210.2 | 218.1 | 227.0 | 236.1 | 245.1 | 254.8 | 265.1 |
| 155° | 202.0 | 202.5 | 205.2 | 209.7 | 214.7 | 221.4 | 229.1 | 236.8 | 244.0 | 252.2 | 260.7 |
| 157.5° | 208.4 | 208.4 | 211.0 | 214.4 | 218.8 | 224.1 | 230.7 | 236.8 | 242.9 | 249.4 | 256.4 |
| 160° | 212.4 | 212.4 | 214.2 | 217.4 | 220.9 | 225.9 | 231.4 | 236.8 | 241.8 | 247.2 | 253.1 |
| 162.5° | 216.0 | 215.6 | 217.1 | 219.9 | 223.2 | 227.0 | 232.1 | 236.8 | 240.7 | 245.0 | 250.2 |
| 165° | 220.1 | 220.1 | 220.9 | 223.2 | 225.5 | 228.2 | 232.3 | 235.9 | 238.6 | 241.8 | 245.4 |
| 167.5° | 224.1 | 223.7 | 224.1 | 225.9 | 227.1 | 229.2 | 232.2 | 234.8 | 236.5 | 238.5 | 241.1 |
| 170° | 225.9 | 225.5 | 225.9 | 227.3 | 228.2 | 229.6 | 231.8 | 234.1 | 235.0 | 236.3 | 238.1 |
| 172.5° | 227.8 | 227.3 | 227.4 | 228.4 | 228.9 | 229.9 | 231.5 | 233.4 | 233.5 | 234.2 | 235.6 |
| 175° | 229.6 | 229.1 | 229.1 | 229.6 | 230.0 | 230.0 | 230.9 | 232.3 | 231.8 | 231.8 | 232.7 |
| 177.5° | 230.4 | 230.0 | 229.7 | 230.0 | 230.0 | 230.0 | 230.4 | 231.1 | 230.4 | 230.4 | 230.8 |
| 180° | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 |



TEST NUMBER: P332552-927

CATALOG NUMBER: S124DIP-S575D590U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 |
| 2.5° | 766.6 | 767.7 | 768.8 | 769.3 | 769.1 | 769.1 | 769.0 | 768.8 |
| 5° | 762.5 | 764.0 | 765.5 | 766.1 | 765.8 | 765.6 | 765.2 | 765.0 |
| 7.5° | 754.0 | 755.2 | 756.4 | 756.9 | 756.8 | 756.6 | 756.5 | 756.2 |
| 10° | 746.9 | 748.0 | 749.1 | 749.5 | 749.2 | 748.9 | 748.6 | 748.4 |
| 12.5° | 738.2 | 739.4 | 740.6 | 741.0 | 740.6 | 740.2 | 739.9 | 739.5 |
| 15° | 721.7 | 722.5 | 723.3 | 723.5 | 723.1 | 722.7 | 722.2 | 721.8 |
| 17.5° | 702.8 | 703.3 | 703.9 | 703.9 | 703.7 | 703.4 | 703.1 | 702.9 |
| 20° | 688.8 | 689.2 | 689.6 | 689.7 | 689.4 | 689.1 | 688.9 | 688.6 |
| 22.5° | 674.1 | 674.9 | 675.7 | 675.7 | 675.3 | 674.8 | 674.3 | 673.8 |
| 25° | 650.0 | 650.1 | 650.3 | 650.1 | 649.5 | 649.0 | 648.4 | 647.8 |
| 27.5° | 623.0 | 622.6 | 622.3 | 621.8 | 621.1 | 620.4 | 619.7 | 619.0 |
| 30° | 604.3 | 603.7 | 603.2 | 602.5 | 601.8 | 601.2 | 600.5 | 599.8 |
| 32.5° | 585.3 | 584.6 | 584.0 | 583.3 | 582.7 | 581.9 | 581.2 | 580.6 |
| 35° | 555.3 | 554.4 | 553.4 | 552.6 | 551.9 | 551.2 | 550.6 | 549.9 |
| 37.5° | 524.0 | 522.9 | 521.9 | 520.9 | 520.1 | 519.1 | 518.2 | 517.3 |
| 40° | 502.2 | 500.7 | 499.4 | 498.4 | 497.6 | 497.0 | 496.3 | 495.6 |
| 42.5° | 481.0 | 479.3 | 477.8 | 476.7 | 476.3 | 475.9 | 475.4 | 474.9 |
| 45° | 448.2 | 446.7 | 445.2 | 444.3 | 443.9 | 443.5 | 443.0 | 442.6 |
| 47.5° | 416.5 | 414.8 | 413.1 | 411.8 | 410.7 | 409.6 | 408.6 | 407.6 |
| 50° | 394.3 | 392.4 | 390.5 | 389.2 | 388.3 | 387.5 | 386.7 | 385.9 |
| 52.5° | 371.6 | 369.9 | 368.3 | 366.9 | 365.8 | 364.8 | 363.8 | 362.7 |
| 55° | 338.3 | 336.6 | 334.9 | 333.7 | 332.9 | 332.1 | 331.2 | 330.4 |
| 57.5° | 304.8 | 303.2 | 301.6 | 300.4 | 299.6 | 298.8 | 298.0 | 297.2 |
| 60° | 281.7 | 280.5 | 279.2 | 278.3 | 277.6 | 276.9 | 276.2 | 275.5 |
| 62.5° | 259.3 | 258.1 | 257.0 | 256.1 | 255.4 | 254.8 | 254.1 | 253.3 |
| 65° | 226.6 | 225.2 | 223.9 | 222.8 | 222.1 | 221.4 | 220.8 | 220.1 |
| 67.5° | 192.9 | 191.6 | 190.3 | 189.5 | 189.3 | 189.2 | 188.9 | 188.8 |
| 70° | 171.7 | 170.6 | 169.4 | 168.7 | 168.3 | 167.9 | 167.5 | 167.1 |
| 72.5° | 150.4 | 149.5 | 148.6 | 148.0 | 147.6 | 147.2 | 146.8 | 146.3 |
| 75° | 119.7 | 119.1 | 118.7 | 118.3 | 118.1 | 118.0 | 117.9 | 117.7 |
| 77.5° | 90.6 | 90.5 | 90.3 | 90.1 | 89.7 | 89.4 | 89.0 | 88.6 |
| 80° | 72.2 | 71.9 | 71.6 | 71.5 | 71.3 | 71.1 | 71.1 | 70.9 |
| 82.5° | 55.6 | 55.5 | 55.3 | 55.1 | 55.1 | 54.9 | 54.7 | 54.6 |
| 85° | 32.1 | 32.1 | 32.1 | 32.0 | 31.8 | 31.7 | 31.6 | 31.4 |
| 87.5° | 13.5 | 13.5 | 13.6 | 13.6 | 13.7 | 13.9 | 13.7 | 13.7 |
| 90° | 8.2 | 8.6 | 9.0 | 9.0 | 9.5 | 9.9 | 9.5 | 9.5 |
| 92.5° | 88.7 | 66.8 | 53.2 | 44.1 | 38.7 | 36.4 | 34.8 | 34.8 |
| 95° | 334.9 | 264.8 | 204.2 | 160.4 | 138.3 | 124.3 | 116.1 | 110.3 |
| 97.5° | 494.7 | 468.7 | 424.5 | 377.3 | 344.9 | 317.7 | 304.1 | 294.7 |
| 100° | 545.0 | 554.1 | 531.9 | 498.4 | 459.1 | 431.6 | 418.0 | 414.4 |
| 102.5° | 542.5 | 587.3 | 593.7 | 579.8 | 555.6 | 535.7 | 521.4 | 518.5 |
| 105° | 506.1 | 584.3 | 629.1 | 647.6 | 648.5 | 644.8 | 638.5 | 635.8 |
| 107.5° | 454.6 | 537.7 | 600.8 | 641.0 | 663.4 | 673.7 | 678.2 | 679.4 |
| 110° | 423.4 | 501.6 | 567.1 | 616.9 | 649.0 | 667.9 | 676.0 | 680.1 |



TEST NUMBER: P332552-927

CATALOG NUMBER: S124DIP-S575D590U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 400.7 | 469.8 | 531.7 | 581.4 | 617.8 | 640.8 | 652.2 | 658.8 |
| 115° | 377.8 | 433.4 | 486.2 | 529.7 | 565.3 | 592.5 | 606.9 | 610.5 |
| 117.5° | 366.5 | 412.6 | 454.2 | 490.9 | 521.4 | 544.2 | 558.8 | 561.7 |
| 120° | 361.6 | 403.5 | 439.7 | 471.7 | 497.6 | 517.5 | 529.2 | 534.2 |
| 122.5° | 357.2 | 397.8 | 430.6 | 458.8 | 480.5 | 497.6 | 507.5 | 512.5 |
| 125° | 349.7 | 388.6 | 419.8 | 444.7 | 462.7 | 475.9 | 484.4 | 487.1 |
| 127.5° | 340.7 | 377.9 | 409.0 | 432.5 | 450.8 | 462.4 | 469.6 | 472.3 |
| 130° | 333.5 | 369.2 | 399.9 | 423.9 | 442.4 | 453.7 | 461.0 | 463.7 |
| 132.5° | 325.9 | 359.4 | 389.4 | 413.4 | 431.6 | 444.3 | 451.1 | 453.9 |
| 135° | 315.4 | 344.8 | 372.3 | 395.0 | 413.0 | 425.7 | 432.9 | 435.6 |
| 137.5° | 305.9 | 330.8 | 354.0 | 374.5 | 391.3 | 403.9 | 409.8 | 413.0 |
| 140° | 300.5 | 321.8 | 342.1 | 361.1 | 376.9 | 386.8 | 393.2 | 396.8 |
| 142.5° | 295.5 | 314.2 | 331.6 | 348.1 | 362.0 | 371.3 | 376.9 | 379.4 |
| 145° | 288.3 | 303.6 | 317.3 | 329.9 | 341.2 | 348.9 | 353.4 | 355.6 |
| 147.5° | 282.4 | 294.6 | 305.5 | 315.4 | 323.8 | 330.3 | 333.7 | 334.6 |
| 150° | 278.8 | 289.2 | 298.3 | 306.4 | 313.6 | 319.5 | 322.2 | 322.7 |
| 152.5° | 274.8 | 283.8 | 292.1 | 298.8 | 304.9 | 309.7 | 311.3 | 311.8 |
| 155° | 268.9 | 276.1 | 282.9 | 288.3 | 292.9 | 296.4 | 297.8 | 297.8 |
| 157.5° | 262.4 | 268.5 | 274.2 | 278.5 | 282.0 | 284.7 | 285.5 | 285.5 |
| 160° | 258.5 | 263.5 | 268.4 | 272.0 | 274.7 | 277.5 | 277.9 | 277.9 |
| 162.5° | 254.5 | 258.7 | 262.6 | 265.9 | 267.9 | 270.6 | 271.1 | 270.7 |
| 165° | 249.0 | 251.7 | 254.8 | 257.1 | 259.0 | 260.7 | 260.3 | 259.8 |
| 167.5° | 243.7 | 245.7 | 248.3 | 249.6 | 250.6 | 251.7 | 251.6 | 251.3 |
| 170° | 240.4 | 241.8 | 243.6 | 244.9 | 245.8 | 246.3 | 245.8 | 245.8 |
| 172.5° | 237.5 | 238.5 | 239.6 | 240.6 | 241.1 | 241.6 | 241.1 | 240.4 |
| 175° | 233.6 | 234.1 | 235.0 | 235.0 | 235.0 | 235.9 | 235.0 | 234.1 |
| 177.5° | 231.1 | 231.5 | 231.5 | 231.8 | 231.5 | 231.8 | 231.1 | 230.4 |
| 180° | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 |

(END OF REPORT)