

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: P332031-935

Luminaire Tested: **S123DIP-S1000D1025U935-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332031-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D1025U935-4F0-1E-UDD-D1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1025 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6649.6 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: General Diffuse

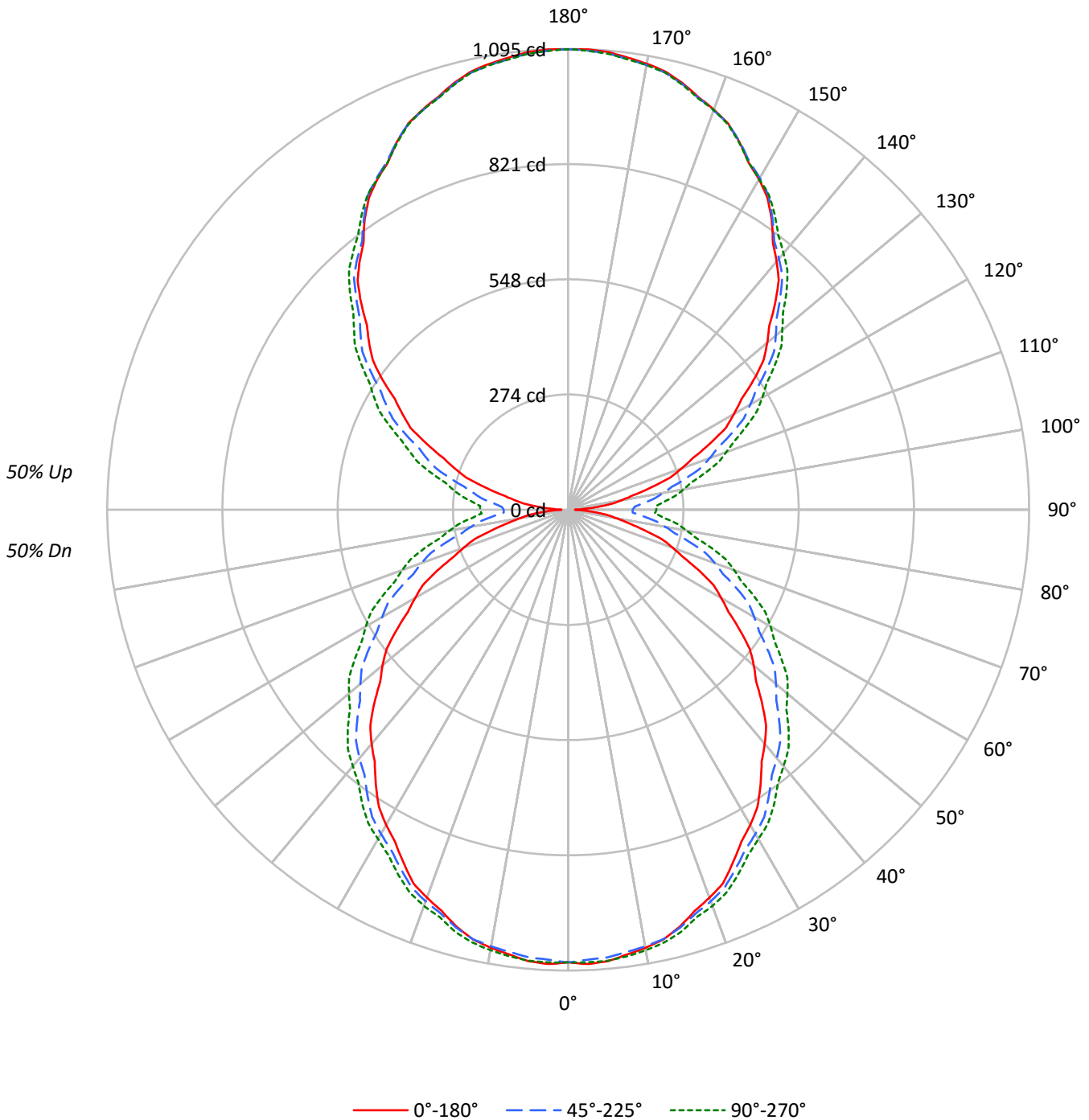
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332031-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P332031-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-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 | 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 | 74 | 68 | 63 | 62 | 58 | 54 | 51 | 48 | 45 | 41 | 39 | 37 | 33 |
| 3 | 80 | 70 | 62 | 56 | 73 | 64 | 58 | 52 | 54 | 49 | 45 | 45 | 41 | 38 | 36 | 34 | 31 | 27 |
| 4 | 73 | 61 | 53 | 47 | 67 | 57 | 50 | 44 | 48 | 42 | 38 | 40 | 36 | 32 | 32 | 29 | 27 | 23 |
| 5 | 67 | 55 | 46 | 40 | 61 | 51 | 43 | 37 | 43 | 37 | 33 | 36 | 31 | 28 | 29 | 26 | 23 | 20 |
| 6 | 61 | 49 | 41 | 35 | 56 | 45 | 38 | 32 | 39 | 33 | 28 | 32 | 28 | 24 | 26 | 23 | 20 | 17 |
| 7 | 57 | 44 | 36 | 30 | 52 | 41 | 34 | 28 | 35 | 29 | 25 | 29 | 25 | 21 | 24 | 20 | 18 | 15 |
| 8 | 53 | 40 | 32 | 27 | 48 | 37 | 30 | 25 | 32 | 26 | 22 | 27 | 22 | 19 | 22 | 19 | 16 | 14 |
| 9 | 49 | 36 | 29 | 24 | 45 | 34 | 27 | 22 | 29 | 23 | 20 | 25 | 20 | 17 | 20 | 17 | 14 | 12 |
| 10 | 46 | 33 | 26 | 21 | 42 | 31 | 24 | 20 | 27 | 21 | 18 | 23 | 18 | 15 | 19 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11579 | 11579 | 11579 |
| 5° | 11615 | 11288 | 11294 |
| 10° | 11511 | 11028 | 10973 |
| 15° | 11363 | 10732 | 10622 |
| 20° | 11151 | 10395 | 10235 |
| 25° | 10888 | 10007 | 9829 |
| 30° | 10621 | 9658 | 9417 |
| 35° | 10321 | 9289 | 9089 |
| 40° | 10033 | 8953 | 8737 |
| 45° | 9715 | 8630 | 8455 |
| 50° | 9402 | 8312 | 8146 |
| 55° | 9056 | 7985 | 7866 |
| 60° | 8718 | 7655 | 7580 |
| 65° | 8372 | 7303 | 7241 |
| 70° | 7847 | 6904 | 6893 |
| 75° | 7189 | 6449 | 6538 |
| 80° | 6431 | 6003 | 6131 |
| 85° | 5726 | 5695 | 5898 |



TEST NUMBER: P332031-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 102.0 | 1.5 |
| 10°-20° | 290.7 | 4.4 |
| 20°-30° | 434.8 | 6.5 |
| 30°-40° | 519.2 | 7.8 |
| 40°-50° | 543.3 | 8.2 |
| 50°-60° | 509.8 | 7.7 |
| 60°-70° | 425.8 | 6.4 |
| 70°-80° | 304.6 | 4.6 |
| 80°-90° | 184.9 | 2.8 |
| 90°-100° | 185.3 | 2.8 |
| 100°-110° | 297.1 | 4.5 |
| 110°-120° | 418.8 | 6.3 |
| 120°-130° | 509.2 | 7.7 |
| 130°-140° | 550.8 | 8.3 |
| 140°-150° | 530.4 | 8.0 |
| 150°-160° | 443.9 | 6.7 |
| 160°-170° | 295.5 | 4.4 |
| 170°-180° | 103.5 | 1.6 |
| 0°-30° | 827.5 | 12.4 |
| 0°-40° | 1346.7 | 20.3 |
| 0°-60° | 2399.8 | 36.1 |
| 0°-90° | 3315.1 | 49.9 |
| 90°-120° | 901.1 | 13.6 |
| 90°-150° | 2491.5 | 37.5 |
| 90°-180° | 3334.0 | 50.1 |
| 0°-180° | 6649.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1076 | 1076 | 1076 | 1076 | 1076 | |
| 5° | 1077 | 1074 | 1068 | 1076 | 1076 | 102 |
| 15° | 1025 | 1029 | 1028 | 1039 | 1038 | 289 |
| 25° | 926 | 937 | 941 | 955 | 956 | 426 |
| 35° | 797 | 815 | 831 | 848 | 853 | 498 |
| 45° | 652 | 680 | 709 | 731 | 741 | 502 |
| 55° | 497 | 536 | 578 | 608 | 619 | 445 |
| 65° | 343 | 389 | 441 | 474 | 488 | 339 |
| 75° | 186 | 242 | 300 | 337 | 353 | 199 |
| 85° | 57 | 116 | 178 | 216 | 230 | 60 |
| 90° | 16 | 82 | 153 | 195 | 210 | 14 |
| 95° | 64 | 116 | 180 | 218 | 231 | 67 |
| 105° | 203 | 234 | 291 | 322 | 336 | 217 |
| 115° | 371 | 389 | 428 | 456 | 466 | 367 |
| 125° | 538 | 542 | 573 | 593 | 599 | 480 |
| 135° | 696 | 700 | 712 | 729 | 734 | 536 |
| 145° | 843 | 843 | 846 | 854 | 856 | 526 |
| 155° | 964 | 964 | 964 | 967 | 962 | 443 |
| 165° | 1049 | 1047 | 1047 | 1051 | 1046 | 296 |
| 175° | 1092 | 1088 | 1088 | 1093 | 1087 | 104 |
| 180° | 1094 | 1094 | 1094 | 1094 | 1094 | |



TEST NUMBER: P332031-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1075.7 | 1075.7 | 1075.7 | 1075.7 | 1075.7 | 1075.7 | 1075.7 | 1075.7 | 1075.7 | 1075.7 | 1075.7 |
| 2.5° | 1080.5 | 1079.9 | 1079.2 | 1078.6 | 1078.0 | 1076.8 | 1075.1 | 1073.5 | 1071.8 | 1070.1 | 1071.8 |
| 5° | 1076.9 | 1076.4 | 1075.9 | 1075.4 | 1074.9 | 1073.8 | 1072.3 | 1070.7 | 1069.1 | 1067.6 | 1069.6 |
| 7.5° | 1066.3 | 1066.5 | 1066.6 | 1066.7 | 1066.8 | 1066.1 | 1064.6 | 1063.1 | 1061.5 | 1060.1 | 1062.6 |
| 10° | 1057.0 | 1057.6 | 1058.1 | 1058.6 | 1059.1 | 1058.7 | 1057.4 | 1056.1 | 1054.8 | 1053.5 | 1056.1 |
| 12.5° | 1045.8 | 1046.5 | 1047.2 | 1047.9 | 1048.7 | 1048.6 | 1047.8 | 1046.8 | 1045.9 | 1045.1 | 1047.5 |
| 15° | 1025.4 | 1026.1 | 1026.9 | 1027.7 | 1028.5 | 1028.7 | 1028.5 | 1028.2 | 1027.9 | 1027.7 | 1030.4 |
| 17.5° | 999.6 | 1001.2 | 1002.7 | 1004.3 | 1005.8 | 1006.6 | 1006.5 | 1006.3 | 1006.3 | 1006.2 | 1008.5 |
| 20° | 980.9 | 982.4 | 984.0 | 985.5 | 987.1 | 988.2 | 988.7 | 989.2 | 989.7 | 990.2 | 992.6 |
| 22.5° | 961.1 | 962.7 | 964.3 | 965.9 | 967.4 | 968.5 | 969.3 | 970.0 | 970.8 | 971.5 | 974.4 |
| 25° | 925.7 | 928.3 | 931.0 | 933.6 | 936.2 | 937.9 | 938.7 | 939.4 | 940.2 | 941.0 | 944.3 |
| 27.5° | 890.1 | 893.1 | 896.0 | 899.1 | 902.0 | 904.3 | 906.0 | 907.7 | 909.3 | 911.0 | 914.0 |
| 30° | 864.8 | 868.2 | 871.6 | 874.9 | 878.4 | 881.1 | 883.2 | 885.3 | 887.3 | 889.4 | 892.6 |
| 32.5° | 836.7 | 840.5 | 844.3 | 848.1 | 851.9 | 855.1 | 857.9 | 860.6 | 863.3 | 866.0 | 869.4 |
| 35° | 796.9 | 801.0 | 805.2 | 809.3 | 813.6 | 817.3 | 820.7 | 824.1 | 827.4 | 830.9 | 834.7 |
| 37.5° | 754.7 | 759.4 | 764.1 | 768.7 | 773.4 | 777.8 | 782.0 | 786.2 | 790.3 | 794.5 | 798.9 |
| 40° | 726.5 | 731.2 | 735.9 | 740.6 | 745.3 | 750.3 | 755.4 | 760.7 | 765.9 | 771.1 | 775.5 |
| 42.5° | 695.6 | 701.4 | 707.1 | 712.8 | 718.5 | 724.1 | 729.5 | 734.9 | 740.4 | 745.8 | 750.6 |
| 45° | 651.5 | 657.8 | 664.1 | 670.3 | 676.6 | 682.9 | 689.4 | 695.9 | 702.5 | 708.9 | 713.9 |
| 47.5° | 605.4 | 612.4 | 619.6 | 626.6 | 633.7 | 641.0 | 648.4 | 655.9 | 663.3 | 670.8 | 676.3 |
| 50° | 575.4 | 582.6 | 590.0 | 597.3 | 604.5 | 612.3 | 620.3 | 628.4 | 636.5 | 644.5 | 650.5 |
| 52.5° | 543.5 | 551.2 | 559.0 | 566.6 | 574.4 | 582.6 | 591.6 | 600.5 | 609.3 | 618.3 | 624.5 |
| 55° | 496.9 | 505.5 | 514.0 | 522.6 | 531.2 | 540.2 | 549.6 | 559.0 | 568.3 | 577.7 | 584.8 |
| 57.5° | 451.4 | 460.4 | 469.3 | 478.3 | 487.2 | 496.9 | 507.1 | 517.4 | 527.6 | 537.9 | 544.9 |
| 60° | 419.6 | 428.9 | 438.2 | 447.6 | 457.0 | 467.0 | 477.7 | 488.4 | 499.1 | 509.8 | 517.0 |
| 62.5° | 389.5 | 399.1 | 408.7 | 418.3 | 427.8 | 438.3 | 449.6 | 460.9 | 472.2 | 483.5 | 490.8 |
| 65° | 343.4 | 353.5 | 363.7 | 373.8 | 384.0 | 394.8 | 406.2 | 417.7 | 429.1 | 440.7 | 448.4 |
| 67.5° | 296.4 | 307.3 | 318.1 | 328.8 | 339.6 | 350.9 | 362.5 | 374.2 | 385.8 | 397.5 | 406.0 |
| 70° | 263.6 | 274.8 | 286.0 | 297.3 | 308.5 | 320.3 | 332.8 | 345.3 | 357.8 | 370.3 | 378.7 |
| 72.5° | 233.7 | 244.9 | 256.1 | 267.3 | 278.4 | 290.5 | 303.4 | 316.3 | 329.2 | 342.2 | 350.7 |
| 75° | 186.3 | 198.5 | 210.8 | 223.1 | 235.3 | 247.9 | 261.0 | 274.0 | 287.0 | 300.0 | 308.6 |
| 77.5° | 145.1 | 157.4 | 169.8 | 182.1 | 194.4 | 207.2 | 220.3 | 233.4 | 246.6 | 259.7 | 268.7 |
| 80° | 116.0 | 128.8 | 141.5 | 154.3 | 167.0 | 180.2 | 193.7 | 207.3 | 220.8 | 234.4 | 243.2 |
| 82.5° | 90.7 | 103.7 | 116.7 | 129.6 | 142.6 | 155.9 | 169.7 | 183.4 | 197.2 | 210.9 | 219.8 |
| 85° | 57.4 | 70.4 | 83.4 | 96.5 | 109.5 | 123.0 | 136.7 | 150.5 | 164.3 | 178.1 | 187.0 |
| 87.5° | 31.3 | 44.7 | 58.0 | 71.4 | 84.7 | 98.3 | 112.1 | 125.9 | 139.7 | 153.4 | 162.4 |
| 90° | 16.1 | 30.7 | 45.5 | 60.1 | 74.7 | 90.0 | 105.7 | 121.5 | 137.2 | 153.1 | 162.6 |
| 92.5° | 35.1 | 47.9 | 60.7 | 73.5 | 86.4 | 100.0 | 114.4 | 129.0 | 143.4 | 157.9 | 167.2 |
| 95° | 63.6 | 75.1 | 86.6 | 98.1 | 109.6 | 122.4 | 136.7 | 151.0 | 165.3 | 179.6 | 188.5 |
| 97.5° | 101.6 | 111.8 | 121.9 | 132.0 | 142.2 | 153.9 | 167.2 | 180.6 | 193.8 | 207.1 | 215.8 |
| 100° | 127.4 | 136.9 | 146.4 | 155.8 | 165.3 | 176.6 | 189.5 | 202.4 | 215.3 | 228.3 | 236.4 |
| 102.5° | 157.5 | 165.7 | 173.8 | 182.0 | 190.2 | 200.8 | 213.8 | 226.9 | 239.9 | 253.0 | 260.8 |
| 105° | 202.8 | 209.4 | 216.0 | 222.7 | 229.3 | 239.0 | 251.9 | 264.9 | 277.8 | 290.8 | 298.0 |
| 107.5° | 254.3 | 259.8 | 265.4 | 271.0 | 276.5 | 284.9 | 296.2 | 307.5 | 318.8 | 330.1 | 337.7 |
| 110° | 286.4 | 291.4 | 296.5 | 301.5 | 306.6 | 314.5 | 325.4 | 336.1 | 347.0 | 357.7 | 365.3 |



TEST NUMBER: P332031-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 320.7 | 324.9 | 328.9 | 332.9 | 337.1 | 344.1 | 354.2 | 364.3 | 374.4 | 384.4 | 391.9 |
| 115° | 371.1 | 374.8 | 378.5 | 382.2 | 385.9 | 392.3 | 401.2 | 410.3 | 419.2 | 428.3 | 434.7 |
| 117.5° | 422.8 | 425.1 | 427.4 | 429.7 | 432.0 | 437.4 | 445.7 | 453.9 | 462.3 | 470.5 | 476.7 |
| 120° | 454.2 | 456.7 | 459.1 | 461.5 | 464.0 | 469.0 | 476.6 | 484.3 | 492.0 | 499.6 | 505.4 |
| 122.5° | 487.8 | 489.4 | 490.9 | 492.4 | 494.0 | 498.5 | 506.2 | 513.9 | 521.6 | 529.3 | 534.5 |
| 125° | 538.1 | 538.6 | 539.2 | 539.8 | 540.4 | 544.2 | 551.5 | 558.6 | 565.8 | 572.9 | 577.6 |
| 127.5° | 585.6 | 586.5 | 587.5 | 588.4 | 589.4 | 592.8 | 598.7 | 604.4 | 610.3 | 616.1 | 620.2 |
| 130° | 617.2 | 618.5 | 619.7 | 621.0 | 622.2 | 625.2 | 629.8 | 634.5 | 639.1 | 643.8 | 647.9 |
| 132.5° | 647.8 | 649.4 | 650.8 | 652.3 | 653.8 | 656.3 | 660.1 | 663.8 | 667.6 | 671.3 | 675.2 |
| 135° | 695.9 | 696.8 | 697.7 | 698.6 | 699.5 | 701.3 | 704.0 | 706.6 | 709.3 | 712.0 | 715.8 |
| 137.5° | 740.4 | 741.1 | 741.8 | 742.6 | 743.4 | 744.8 | 746.9 | 749.0 | 751.1 | 753.2 | 756.6 |
| 140° | 770.4 | 771.4 | 772.3 | 773.3 | 774.2 | 775.2 | 776.1 | 777.1 | 778.1 | 779.0 | 782.7 |
| 142.5° | 798.6 | 799.4 | 800.0 | 800.8 | 801.6 | 802.2 | 802.7 | 803.2 | 803.7 | 804.2 | 807.4 |
| 145° | 842.6 | 842.7 | 842.8 | 842.9 | 843.1 | 843.4 | 844.0 | 844.6 | 845.2 | 845.7 | 847.6 |
| 147.5° | 879.9 | 880.6 | 881.3 | 882.0 | 882.7 | 883.3 | 883.8 | 884.3 | 884.8 | 885.5 | 886.1 |
| 150° | 906.7 | 907.1 | 907.5 | 907.8 | 908.3 | 908.6 | 909.0 | 909.4 | 909.8 | 910.2 | 910.2 |
| 152.5° | 928.8 | 929.3 | 929.8 | 930.3 | 930.8 | 931.3 | 931.5 | 931.7 | 931.9 | 932.2 | 932.5 |
| 155° | 963.5 | 963.5 | 963.5 | 963.5 | 963.5 | 963.5 | 963.7 | 963.9 | 964.1 | 964.3 | 965.1 |
| 157.5° | 993.0 | 992.8 | 992.6 | 992.3 | 992.1 | 992.0 | 992.2 | 992.4 | 992.6 | 992.6 | 993.5 |
| 160° | 1011.6 | 1011.2 | 1010.8 | 1010.5 | 1010.0 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1009.9 | 1010.8 |
| 162.5° | 1028.1 | 1027.5 | 1027.0 | 1026.5 | 1026.0 | 1025.8 | 1025.9 | 1026.1 | 1026.2 | 1026.4 | 1027.3 |
| 165° | 1049.4 | 1048.8 | 1048.3 | 1047.7 | 1047.1 | 1046.8 | 1046.8 | 1046.8 | 1046.8 | 1046.8 | 1047.9 |
| 167.5° | 1066.4 | 1065.7 | 1064.9 | 1064.1 | 1063.3 | 1063.1 | 1063.2 | 1063.3 | 1063.5 | 1063.7 | 1064.9 |
| 170° | 1076.1 | 1075.3 | 1074.5 | 1073.8 | 1073.0 | 1072.6 | 1072.6 | 1072.6 | 1072.6 | 1072.6 | 1073.9 |
| 172.5° | 1083.6 | 1082.9 | 1082.1 | 1081.3 | 1080.6 | 1080.1 | 1080.1 | 1080.1 | 1080.1 | 1080.1 | 1081.3 |
| 175° | 1091.5 | 1090.7 | 1089.9 | 1089.3 | 1088.5 | 1088.0 | 1088.0 | 1088.0 | 1088.0 | 1088.0 | 1089.3 |
| 177.5° | 1094.8 | 1094.2 | 1093.6 | 1093.0 | 1092.4 | 1092.0 | 1092.0 | 1092.0 | 1092.0 | 1092.0 | 1093.0 |
| 180° | 1094.1 | 1094.1 | 1094.1 | 1094.1 | 1094.1 | 1094.1 | 1094.1 | 1094.1 | 1094.1 | 1094.1 | 1094.1 |



TEST NUMBER: P332031-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1075.7 | 1075.7 | 1075.7 | 1075.7 | 1075.7 | 1075.7 | 1075.7 | 1075.7 |
| 2.5° | 1073.5 | 1075.1 | 1076.8 | 1077.5 | 1077.3 | 1077.1 | 1076.9 | 1076.7 |
| 5° | 1071.7 | 1073.8 | 1075.9 | 1076.8 | 1076.5 | 1076.2 | 1076.0 | 1075.7 |
| 7.5° | 1065.2 | 1067.9 | 1070.5 | 1071.6 | 1071.3 | 1071.0 | 1070.7 | 1070.4 |
| 10° | 1058.7 | 1061.3 | 1063.9 | 1065.0 | 1064.5 | 1063.9 | 1063.4 | 1062.9 |
| 12.5° | 1049.8 | 1052.2 | 1054.6 | 1055.6 | 1055.1 | 1054.6 | 1054.0 | 1053.5 |
| 15° | 1032.9 | 1035.5 | 1038.1 | 1039.3 | 1039.1 | 1038.8 | 1038.5 | 1038.3 |
| 17.5° | 1010.8 | 1013.2 | 1015.5 | 1016.5 | 1016.2 | 1015.8 | 1015.5 | 1015.0 |
| 20° | 994.9 | 997.2 | 999.6 | 1000.9 | 1001.2 | 1001.4 | 1001.7 | 1001.9 |
| 22.5° | 977.4 | 980.3 | 983.3 | 984.7 | 984.6 | 984.5 | 984.3 | 984.1 |
| 25° | 947.8 | 951.1 | 954.5 | 956.2 | 956.2 | 956.2 | 956.2 | 956.2 |
| 27.5° | 916.8 | 919.7 | 922.6 | 924.2 | 924.5 | 924.6 | 924.9 | 925.1 |
| 30° | 895.7 | 898.8 | 901.9 | 903.5 | 903.5 | 903.5 | 903.5 | 903.5 |
| 32.5° | 872.7 | 876.0 | 879.3 | 881.3 | 881.9 | 882.5 | 883.2 | 883.8 |
| 35° | 838.6 | 842.6 | 846.4 | 848.9 | 850.0 | 851.0 | 852.0 | 853.1 |
| 37.5° | 803.4 | 807.8 | 812.3 | 814.9 | 815.7 | 816.5 | 817.3 | 818.2 |
| 40° | 779.9 | 784.4 | 788.8 | 791.5 | 792.6 | 793.6 | 794.6 | 795.7 |
| 42.5° | 755.4 | 760.3 | 765.2 | 768.3 | 769.7 | 771.2 | 772.7 | 774.1 |
| 45° | 718.8 | 723.8 | 728.8 | 732.3 | 734.3 | 736.4 | 738.6 | 740.6 |
| 47.5° | 681.9 | 687.5 | 693.0 | 696.6 | 698.3 | 699.9 | 701.5 | 703.1 |
| 50° | 656.5 | 662.5 | 668.5 | 672.4 | 674.2 | 676.1 | 677.9 | 679.7 |
| 52.5° | 630.7 | 636.9 | 643.1 | 647.3 | 649.5 | 651.8 | 654.0 | 656.3 |
| 55° | 591.8 | 598.8 | 605.9 | 610.4 | 612.5 | 614.6 | 616.6 | 618.7 |
| 57.5° | 552.1 | 559.1 | 566.2 | 571.0 | 573.4 | 575.8 | 578.3 | 580.7 |
| 60° | 524.3 | 531.7 | 538.9 | 544.0 | 546.9 | 549.7 | 552.6 | 555.4 |
| 62.5° | 498.1 | 505.4 | 512.6 | 517.6 | 520.3 | 523.0 | 525.6 | 528.3 |
| 65° | 456.2 | 464.1 | 471.8 | 477.1 | 479.7 | 482.2 | 484.9 | 487.5 |
| 67.5° | 414.6 | 423.1 | 431.6 | 437.0 | 439.2 | 441.4 | 443.6 | 445.7 |
| 70° | 386.9 | 395.3 | 403.6 | 409.1 | 411.7 | 414.3 | 416.9 | 419.6 |
| 72.5° | 359.3 | 367.8 | 376.3 | 381.9 | 384.5 | 387.1 | 389.8 | 392.4 |
| 75° | 317.2 | 325.8 | 334.3 | 340.3 | 343.4 | 346.5 | 349.6 | 352.8 |
| 77.5° | 277.8 | 286.9 | 295.9 | 301.7 | 304.0 | 306.4 | 308.8 | 311.3 |
| 80° | 252.1 | 261.0 | 269.8 | 275.5 | 278.1 | 280.7 | 283.4 | 285.9 |
| 82.5° | 228.7 | 237.5 | 246.3 | 252.1 | 254.7 | 257.3 | 259.8 | 262.5 |
| 85° | 195.8 | 204.7 | 213.5 | 219.3 | 221.9 | 224.5 | 227.0 | 229.7 |
| 87.5° | 171.4 | 180.5 | 189.4 | 195.3 | 197.9 | 200.6 | 203.4 | 206.0 |
| 90° | 172.3 | 181.9 | 191.5 | 197.9 | 200.8 | 203.8 | 206.8 | 209.7 |
| 92.5° | 176.4 | 185.7 | 194.9 | 200.7 | 202.9 | 205.0 | 207.2 | 209.3 |
| 95° | 197.3 | 206.1 | 215.0 | 220.7 | 223.3 | 225.9 | 228.5 | 231.1 |
| 97.5° | 224.4 | 233.0 | 241.7 | 247.3 | 249.8 | 252.3 | 254.9 | 257.4 |
| 100° | 244.5 | 252.7 | 260.8 | 266.3 | 269.3 | 272.3 | 275.3 | 278.3 |
| 102.5° | 268.7 | 276.6 | 284.6 | 289.8 | 292.3 | 294.9 | 297.4 | 299.9 |
| 105° | 305.3 | 312.6 | 319.9 | 324.9 | 327.6 | 330.4 | 333.0 | 335.8 |
| 107.5° | 345.3 | 352.9 | 360.5 | 365.3 | 367.4 | 369.5 | 371.5 | 373.6 |
| 110° | 372.8 | 380.4 | 387.9 | 392.5 | 394.3 | 395.9 | 397.6 | 399.3 |



TEST NUMBER: P332031-935

CATALOG NUMBER: S123DIP-S1000D1025U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 399.4 | 406.9 | 414.4 | 419.2 | 421.5 | 423.6 | 425.9 | 428.1 |
| 115° | 441.1 | 447.5 | 454.0 | 458.1 | 460.0 | 461.9 | 463.8 | 465.7 |
| 117.5° | 482.8 | 489.0 | 495.2 | 499.0 | 500.5 | 502.0 | 503.5 | 505.1 |
| 120° | 511.2 | 516.9 | 522.8 | 526.4 | 527.8 | 529.3 | 530.7 | 532.2 |
| 122.5° | 539.8 | 545.1 | 550.4 | 553.7 | 555.0 | 556.3 | 557.6 | 558.9 |
| 125° | 582.4 | 587.0 | 591.8 | 594.6 | 595.7 | 596.8 | 597.8 | 598.9 |
| 127.5° | 624.3 | 628.4 | 632.5 | 634.9 | 635.8 | 636.7 | 637.7 | 638.5 |
| 130° | 652.1 | 656.3 | 660.5 | 662.7 | 662.9 | 663.1 | 663.3 | 663.6 |
| 132.5° | 679.0 | 682.9 | 686.6 | 689.0 | 689.7 | 690.4 | 691.1 | 691.9 |
| 135° | 719.8 | 723.7 | 727.6 | 730.0 | 731.0 | 731.9 | 732.8 | 733.7 |
| 137.5° | 759.8 | 763.2 | 766.5 | 768.4 | 769.0 | 769.6 | 770.2 | 770.8 |
| 140° | 786.5 | 790.2 | 793.9 | 795.7 | 795.7 | 795.7 | 795.7 | 795.7 |
| 142.5° | 810.8 | 814.1 | 817.3 | 819.2 | 819.4 | 819.7 | 820.0 | 820.3 |
| 145° | 849.5 | 851.4 | 853.3 | 854.4 | 854.6 | 854.9 | 855.2 | 855.5 |
| 147.5° | 886.7 | 887.3 | 887.9 | 888.1 | 887.9 | 887.7 | 887.5 | 887.3 |
| 150° | 910.2 | 910.2 | 910.2 | 909.8 | 909.2 | 908.6 | 908.0 | 907.3 |
| 152.5° | 932.8 | 933.1 | 933.4 | 933.1 | 932.2 | 931.3 | 930.4 | 929.5 |
| 155° | 965.9 | 966.6 | 967.3 | 967.1 | 965.8 | 964.4 | 963.0 | 961.7 |
| 157.5° | 994.3 | 995.1 | 995.9 | 995.7 | 994.7 | 993.6 | 992.6 | 991.4 |
| 160° | 1011.8 | 1012.7 | 1013.7 | 1013.7 | 1013.1 | 1012.3 | 1011.5 | 1010.7 |
| 162.5° | 1028.3 | 1029.2 | 1030.2 | 1030.0 | 1028.8 | 1027.6 | 1026.4 | 1025.2 |
| 165° | 1049.1 | 1050.2 | 1051.4 | 1051.3 | 1050.0 | 1048.6 | 1047.3 | 1045.9 |
| 167.5° | 1066.0 | 1067.2 | 1068.4 | 1068.4 | 1067.2 | 1066.0 | 1064.9 | 1063.7 |
| 170° | 1075.3 | 1076.6 | 1078.0 | 1078.0 | 1076.6 | 1075.3 | 1073.9 | 1072.6 |
| 172.5° | 1082.5 | 1083.7 | 1084.9 | 1084.9 | 1083.5 | 1082.2 | 1080.8 | 1079.4 |
| 175° | 1090.4 | 1091.5 | 1092.7 | 1092.5 | 1091.2 | 1089.9 | 1088.6 | 1087.2 |
| 177.5° | 1093.9 | 1094.8 | 1095.7 | 1095.6 | 1094.6 | 1093.5 | 1092.4 | 1091.3 |
| 180° | 1094.1 | 1094.1 | 1094.1 | 1094.1 | 1094.1 | 1094.1 | 1094.1 | 1094.1 |

(END OF REPORT)