

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: P331995-930

Luminaire Tested: **S123DIP-S775D1195U930-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331995-930
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-S775D1195U930-4F0-1E-UDD-D1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1195 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5978.2 lumens
Efficiency: N/A
Efficacy: 105.1 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

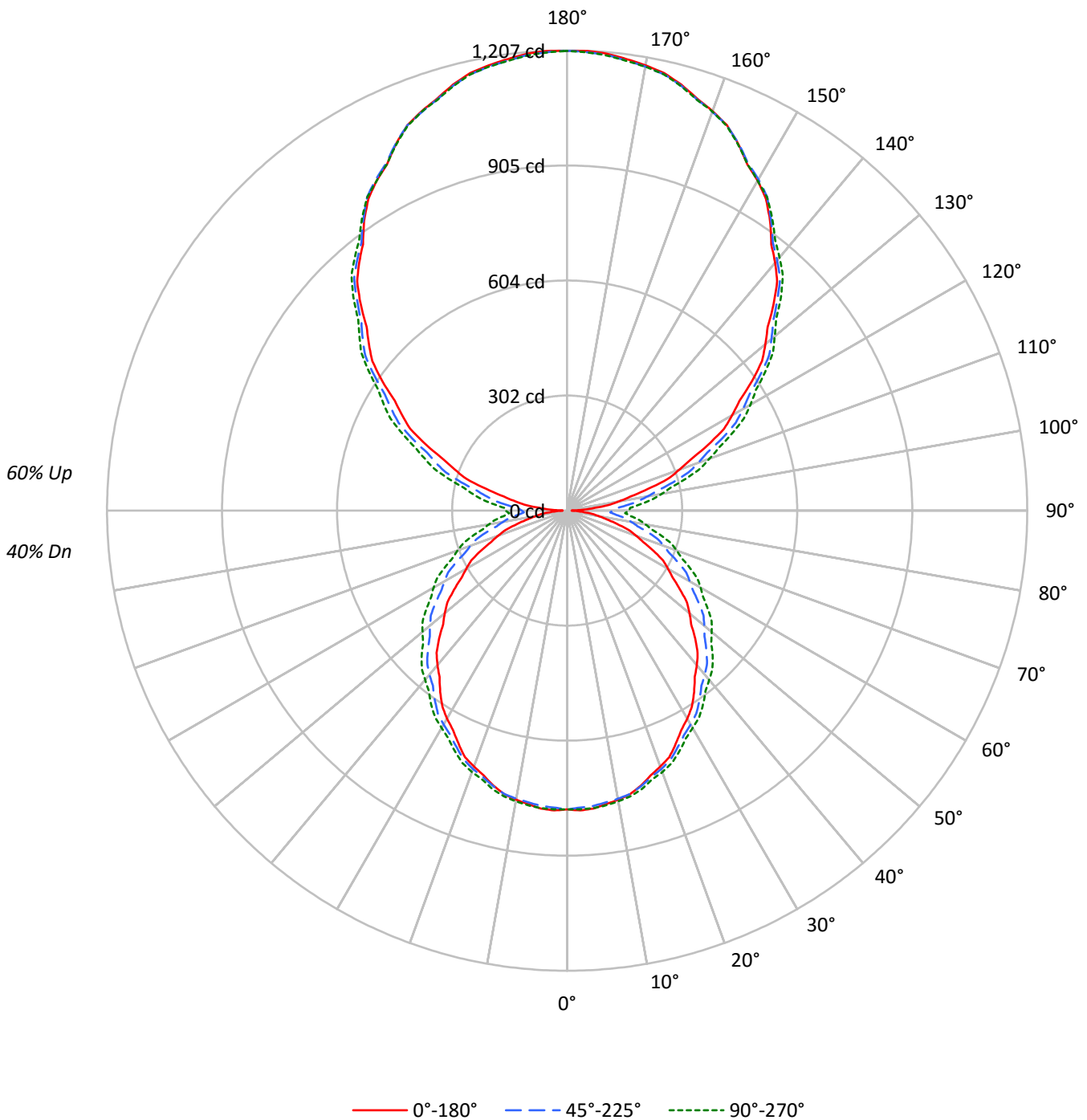
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331995-930

CATALOG NUMBER: S123DIP-S775D1195U930-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331995-930

CATALOG NUMBER: S123DIP-S775D1195U930-4F0-1E-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 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 | 40 |
| 1 | 95 | 90 | 86 | 82 | 86 | 82 | 79 | 75 | 67 | 64 | 62 | 53 | 51 | 50 | 40 | 39 | 38 | 32 |
| 2 | 86 | 78 | 72 | 66 | 78 | 71 | 66 | 61 | 58 | 54 | 51 | 46 | 43 | 41 | 35 | 33 | 32 | 26 |
| 3 | 78 | 68 | 61 | 55 | 71 | 62 | 56 | 51 | 51 | 46 | 42 | 41 | 37 | 34 | 31 | 28 | 26 | 22 |
| 4 | 71 | 60 | 52 | 46 | 65 | 55 | 48 | 43 | 45 | 40 | 36 | 36 | 32 | 29 | 27 | 25 | 23 | 19 |
| 5 | 65 | 54 | 45 | 39 | 59 | 49 | 42 | 36 | 40 | 35 | 31 | 32 | 28 | 25 | 25 | 22 | 19 | 16 |
| 6 | 60 | 48 | 40 | 34 | 54 | 44 | 37 | 31 | 36 | 31 | 27 | 29 | 25 | 22 | 22 | 19 | 17 | 14 |
| 7 | 55 | 43 | 35 | 30 | 50 | 40 | 32 | 27 | 33 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 12 |
| 8 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 24 | 21 | 24 | 20 | 17 | 19 | 16 | 13 | 11 |
| 9 | 48 | 36 | 28 | 23 | 43 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 12 | 10 |
| 10 | 45 | 33 | 25 | 21 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 20 | 16 | 14 | 16 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8436 | 8436 | 8436 |
| 5° | 8462 | 8223 | 8228 |
| 10° | 8386 | 8033 | 7993 |
| 15° | 8278 | 7819 | 7738 |
| 20° | 8123 | 7573 | 7456 |
| 25° | 7933 | 7290 | 7160 |
| 30° | 7737 | 7036 | 6861 |
| 35° | 7518 | 6767 | 6621 |
| 40° | 7310 | 6522 | 6365 |
| 45° | 7079 | 6288 | 6161 |
| 50° | 6848 | 6055 | 5934 |
| 55° | 6597 | 5818 | 5731 |
| 60° | 6352 | 5577 | 5522 |
| 65° | 6098 | 5319 | 5274 |
| 70° | 5718 | 5030 | 5022 |
| 75° | 5236 | 4699 | 4763 |
| 80° | 4684 | 4372 | 4467 |
| 85° | 4170 | 4150 | 4296 |



TEST NUMBER: P331995-930

CATALOG NUMBER: S123DIP-S775D1195U930-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.3 | 1.2 |
| 10°-20° | 211.8 | 3.5 |
| 20°-30° | 316.7 | 5.3 |
| 30°-40° | 378.3 | 6.3 |
| 40°-50° | 395.8 | 6.6 |
| 50°-60° | 371.4 | 6.2 |
| 60°-70° | 310.2 | 5.2 |
| 70°-80° | 221.9 | 3.7 |
| 80°-90° | 135.9 | 2.3 |
| 90°-100° | 161.6 | 2.7 |
| 100°-110° | 296.2 | 5.0 |
| 110°-120° | 440.7 | 7.4 |
| 120°-130° | 549.3 | 9.2 |
| 130°-140° | 601.7 | 10.1 |
| 140°-150° | 583.4 | 9.8 |
| 150°-160° | 489.3 | 8.2 |
| 160°-170° | 325.7 | 5.4 |
| 170°-180° | 114.0 | 1.9 |
| 0°-30° | 602.8 | 10.1 |
| 0°-40° | 981.1 | 16.4 |
| 0°-60° | 1748.2 | 29.2 |
| 0°-90° | 2416.3 | 40.4 |
| 90°-120° | 898.4 | 15.0 |
| 90°-150° | 2632.9 | 44.0 |
| 90°-180° | 3562.0 | 59.6 |
| 0°-180° | 5978.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 784 | 784 | 784 | 784 | 784 | |
| 5° | 785 | 783 | 778 | 784 | 784 | 74 |
| 15° | 747 | 749 | 749 | 757 | 756 | 210 |
| 25° | 674 | 683 | 686 | 696 | 697 | 311 |
| 35° | 580 | 594 | 605 | 618 | 622 | 363 |
| 45° | 475 | 495 | 516 | 532 | 540 | 366 |
| 55° | 362 | 390 | 421 | 443 | 451 | 324 |
| 65° | 250 | 284 | 321 | 346 | 355 | 247 |
| 75° | 136 | 176 | 219 | 246 | 257 | 145 |
| 85° | 42 | 85 | 130 | 158 | 167 | 44 |
| 90° | 12 | 64 | 119 | 151 | 162 | 11 |
| 95° | 65 | 106 | 155 | 184 | 193 | 70 |
| 105° | 220 | 244 | 288 | 311 | 321 | 235 |
| 115° | 407 | 421 | 449 | 469 | 476 | 403 |
| 125° | 592 | 596 | 618 | 631 | 634 | 528 |
| 135° | 766 | 771 | 779 | 790 | 793 | 590 |
| 145° | 928 | 929 | 932 | 938 | 938 | 579 |
| 155° | 1062 | 1062 | 1063 | 1066 | 1060 | 489 |
| 165° | 1157 | 1154 | 1154 | 1159 | 1153 | 326 |
| 175° | 1203 | 1199 | 1199 | 1204 | 1198 | 114 |
| 180° | 1206 | 1206 | 1206 | 1206 | 1206 | |



TEST NUMBER: P331995-930

CATALOG NUMBER: S123DIP-S775D1195U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 |
| 2.5° | 787.1 | 786.6 | 786.2 | 785.7 | 785.3 | 784.4 | 783.3 | 782.0 | 780.8 | 779.6 | 780.8 |
| 5° | 784.6 | 784.2 | 783.7 | 783.4 | 783.0 | 782.3 | 781.1 | 780.0 | 778.9 | 777.7 | 779.3 |
| 7.5° | 776.8 | 776.9 | 777.0 | 777.1 | 777.1 | 776.7 | 775.5 | 774.5 | 773.3 | 772.3 | 774.1 |
| 10° | 770.1 | 770.4 | 770.8 | 771.2 | 771.5 | 771.3 | 770.3 | 769.4 | 768.4 | 767.4 | 769.4 |
| 12.5° | 761.8 | 762.4 | 762.9 | 763.4 | 763.9 | 763.9 | 763.3 | 762.6 | 762.0 | 761.3 | 763.0 |
| 15° | 747.0 | 747.5 | 748.1 | 748.7 | 749.3 | 749.4 | 749.3 | 749.1 | 748.9 | 748.7 | 750.6 |
| 17.5° | 728.2 | 729.4 | 730.5 | 731.6 | 732.7 | 733.3 | 733.2 | 733.1 | 733.0 | 733.0 | 734.7 |
| 20° | 714.5 | 715.7 | 716.8 | 718.0 | 719.1 | 719.8 | 720.2 | 720.6 | 721.0 | 721.4 | 723.1 |
| 22.5° | 700.2 | 701.3 | 702.5 | 703.6 | 704.7 | 705.6 | 706.1 | 706.6 | 707.2 | 707.7 | 709.9 |
| 25° | 674.4 | 676.3 | 678.2 | 680.1 | 682.0 | 683.2 | 683.8 | 684.4 | 684.9 | 685.5 | 687.9 |
| 27.5° | 648.5 | 650.6 | 652.8 | 654.9 | 657.1 | 658.8 | 660.0 | 661.2 | 662.4 | 663.7 | 665.8 |
| 30° | 630.0 | 632.5 | 635.0 | 637.4 | 639.8 | 641.9 | 643.4 | 644.9 | 646.5 | 647.9 | 650.2 |
| 32.5° | 609.5 | 612.3 | 615.1 | 617.8 | 620.6 | 623.0 | 624.9 | 627.0 | 628.9 | 630.9 | 633.3 |
| 35° | 580.5 | 583.5 | 586.6 | 589.6 | 592.6 | 595.4 | 597.9 | 600.3 | 602.8 | 605.3 | 608.1 |
| 37.5° | 549.8 | 553.2 | 556.6 | 560.0 | 563.5 | 566.6 | 569.7 | 572.7 | 575.8 | 578.8 | 582.0 |
| 40° | 529.3 | 532.7 | 536.1 | 539.6 | 542.9 | 546.6 | 550.3 | 554.2 | 557.9 | 561.7 | 564.9 |
| 42.5° | 506.7 | 510.9 | 515.1 | 519.3 | 523.4 | 527.5 | 531.4 | 535.4 | 539.3 | 543.3 | 546.8 |
| 45° | 474.7 | 479.2 | 483.7 | 488.3 | 492.8 | 497.5 | 502.2 | 507.0 | 511.8 | 516.5 | 520.1 |
| 47.5° | 441.0 | 446.2 | 451.3 | 456.5 | 461.6 | 466.9 | 472.4 | 477.8 | 483.2 | 488.6 | 492.7 |
| 50° | 419.1 | 424.4 | 429.7 | 435.1 | 440.4 | 446.0 | 451.9 | 457.8 | 463.7 | 469.5 | 473.9 |
| 52.5° | 395.9 | 401.5 | 407.2 | 412.8 | 418.4 | 424.4 | 431.0 | 437.4 | 443.9 | 450.4 | 454.9 |
| 55° | 362.0 | 368.2 | 374.5 | 380.7 | 387.0 | 393.5 | 400.4 | 407.2 | 414.0 | 420.9 | 426.0 |
| 57.5° | 328.8 | 335.3 | 341.9 | 348.4 | 355.0 | 361.9 | 369.4 | 376.9 | 384.3 | 391.8 | 397.0 |
| 60° | 305.7 | 312.4 | 319.3 | 326.1 | 333.0 | 340.2 | 348.1 | 355.8 | 363.5 | 371.4 | 376.7 |
| 62.5° | 283.7 | 290.7 | 297.7 | 304.7 | 311.7 | 319.3 | 327.5 | 335.7 | 344.0 | 352.2 | 357.5 |
| 65° | 250.1 | 257.6 | 264.9 | 272.3 | 279.7 | 287.6 | 296.0 | 304.3 | 312.7 | 321.0 | 326.7 |
| 67.5° | 216.0 | 223.8 | 231.7 | 239.5 | 247.4 | 255.6 | 264.1 | 272.6 | 281.0 | 289.6 | 295.8 |
| 70° | 192.1 | 200.2 | 208.4 | 216.5 | 224.7 | 233.3 | 242.5 | 251.5 | 260.7 | 269.8 | 275.8 |
| 72.5° | 170.2 | 178.4 | 186.5 | 194.7 | 202.8 | 211.7 | 221.0 | 230.5 | 239.9 | 249.2 | 255.5 |
| 75° | 135.7 | 144.6 | 153.6 | 162.5 | 171.4 | 180.6 | 190.0 | 199.6 | 209.0 | 218.6 | 224.8 |
| 77.5° | 105.7 | 114.7 | 123.7 | 132.6 | 141.6 | 150.9 | 160.5 | 170.1 | 179.6 | 189.1 | 195.8 |
| 80° | 84.5 | 93.8 | 103.1 | 112.4 | 121.7 | 131.3 | 141.1 | 151.0 | 160.9 | 170.7 | 177.2 |
| 82.5° | 66.0 | 75.5 | 85.0 | 94.4 | 103.9 | 113.6 | 123.6 | 133.6 | 143.7 | 153.7 | 160.1 |
| 85° | 41.8 | 51.3 | 60.8 | 70.3 | 79.7 | 89.5 | 99.6 | 109.7 | 119.7 | 129.8 | 136.2 |
| 87.5° | 22.9 | 32.8 | 42.6 | 52.5 | 62.4 | 72.4 | 82.7 | 92.9 | 103.1 | 113.3 | 119.9 |
| 90° | 12.1 | 23.5 | 34.8 | 46.2 | 57.6 | 69.5 | 81.9 | 94.4 | 106.8 | 119.2 | 126.5 |
| 92.5° | 33.3 | 43.1 | 53.0 | 62.8 | 72.6 | 83.1 | 94.2 | 105.3 | 116.3 | 127.3 | 134.4 |
| 95° | 65.3 | 74.2 | 83.0 | 91.9 | 100.8 | 110.7 | 121.6 | 132.6 | 143.7 | 154.6 | 161.3 |
| 97.5° | 107.6 | 115.4 | 123.2 | 130.9 | 138.8 | 147.7 | 157.8 | 167.9 | 178.0 | 188.1 | 194.7 |
| 100° | 136.5 | 143.8 | 151.2 | 158.5 | 165.8 | 174.4 | 184.2 | 194.0 | 203.7 | 213.5 | 219.6 |
| 102.5° | 169.9 | 176.2 | 182.4 | 188.6 | 194.9 | 202.9 | 212.9 | 222.8 | 232.8 | 242.8 | 248.7 |
| 105° | 220.0 | 224.9 | 229.9 | 234.9 | 239.9 | 247.4 | 257.4 | 267.5 | 277.5 | 287.6 | 292.9 |
| 107.5° | 277.3 | 281.4 | 285.5 | 289.7 | 293.8 | 300.1 | 308.6 | 317.1 | 325.6 | 334.1 | 339.8 |
| 110° | 313.0 | 316.8 | 320.7 | 324.5 | 328.3 | 334.3 | 342.3 | 350.3 | 358.2 | 366.3 | 372.1 |



TEST NUMBER: P331995-930

CATALOG NUMBER: S123DIP-S775D1195U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 350.9 | 353.9 | 357.0 | 360.0 | 363.1 | 368.4 | 375.7 | 383.1 | 390.4 | 397.8 | 403.6 |
| 115° | 406.8 | 409.8 | 412.7 | 415.6 | 418.5 | 423.1 | 429.6 | 435.9 | 442.4 | 448.8 | 453.6 |
| 117.5° | 463.9 | 465.7 | 467.6 | 469.4 | 471.2 | 475.1 | 480.9 | 486.8 | 492.7 | 498.5 | 503.0 |
| 120° | 498.9 | 501.1 | 503.3 | 505.5 | 507.7 | 511.4 | 516.6 | 521.8 | 527.0 | 532.2 | 536.4 |
| 122.5° | 536.0 | 537.4 | 538.8 | 540.2 | 541.7 | 545.1 | 550.5 | 555.9 | 561.3 | 566.7 | 570.4 |
| 125° | 591.7 | 592.4 | 593.0 | 593.7 | 594.3 | 597.1 | 602.3 | 607.3 | 612.4 | 617.5 | 620.6 |
| 127.5° | 644.1 | 645.2 | 646.4 | 647.5 | 648.7 | 651.3 | 655.4 | 659.5 | 663.6 | 667.6 | 670.3 |
| 130° | 678.9 | 680.4 | 681.9 | 683.4 | 684.9 | 687.2 | 690.4 | 693.6 | 696.7 | 699.9 | 702.6 |
| 132.5° | 713.1 | 714.8 | 716.4 | 718.0 | 719.7 | 721.8 | 724.4 | 726.9 | 729.5 | 732.1 | 734.5 |
| 135° | 766.1 | 767.2 | 768.3 | 769.4 | 770.5 | 771.9 | 773.8 | 775.7 | 777.6 | 779.4 | 782.0 |
| 137.5° | 815.2 | 816.1 | 817.1 | 818.0 | 818.9 | 820.2 | 821.9 | 823.6 | 825.3 | 827.0 | 829.2 |
| 140° | 848.6 | 849.7 | 850.8 | 851.8 | 852.9 | 853.8 | 854.6 | 855.3 | 856.1 | 856.9 | 859.6 |
| 142.5° | 879.7 | 880.6 | 881.6 | 882.5 | 883.4 | 884.0 | 884.5 | 885.0 | 885.5 | 886.0 | 888.4 |
| 145° | 928.2 | 928.5 | 928.7 | 929.0 | 929.2 | 929.6 | 930.3 | 930.8 | 931.5 | 932.1 | 933.4 |
| 147.5° | 969.8 | 970.6 | 971.3 | 972.1 | 972.9 | 973.5 | 974.1 | 974.7 | 975.3 | 975.9 | 976.3 |
| 150° | 999.4 | 999.8 | 1000.2 | 1000.6 | 1001.1 | 1001.5 | 1001.9 | 1002.3 | 1002.7 | 1003.1 | 1003.1 |
| 152.5° | 1023.6 | 1024.3 | 1024.8 | 1025.4 | 1026.0 | 1026.4 | 1026.6 | 1027.0 | 1027.2 | 1027.4 | 1027.8 |
| 155° | 1061.9 | 1061.9 | 1061.9 | 1061.9 | 1061.9 | 1062.0 | 1062.3 | 1062.4 | 1062.7 | 1062.8 | 1063.7 |
| 157.5° | 1094.5 | 1094.2 | 1094.0 | 1093.7 | 1093.5 | 1093.4 | 1093.6 | 1093.8 | 1094.0 | 1094.1 | 1095.0 |
| 160° | 1114.9 | 1114.5 | 1114.1 | 1113.7 | 1113.3 | 1113.0 | 1113.0 | 1113.0 | 1113.0 | 1113.0 | 1114.1 |
| 162.5° | 1133.1 | 1132.5 | 1132.0 | 1131.4 | 1130.8 | 1130.6 | 1130.7 | 1130.9 | 1131.1 | 1131.2 | 1132.3 |
| 165° | 1156.7 | 1156.0 | 1155.4 | 1154.7 | 1154.1 | 1153.8 | 1153.8 | 1153.8 | 1153.8 | 1153.8 | 1155.0 |
| 167.5° | 1175.4 | 1174.5 | 1173.7 | 1172.9 | 1172.0 | 1171.7 | 1171.8 | 1172.0 | 1172.2 | 1172.3 | 1173.6 |
| 170° | 1186.0 | 1185.1 | 1184.3 | 1183.5 | 1182.6 | 1182.2 | 1182.2 | 1182.2 | 1182.2 | 1182.2 | 1183.7 |
| 172.5° | 1194.3 | 1193.5 | 1192.6 | 1191.8 | 1191.0 | 1190.6 | 1190.6 | 1190.6 | 1190.6 | 1190.6 | 1191.9 |
| 175° | 1203.1 | 1202.2 | 1201.3 | 1200.5 | 1199.7 | 1199.2 | 1199.2 | 1199.2 | 1199.2 | 1199.2 | 1200.5 |
| 177.5° | 1206.6 | 1206.0 | 1205.3 | 1204.6 | 1204.0 | 1203.6 | 1203.6 | 1203.6 | 1203.6 | 1203.6 | 1204.6 |
| 180° | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 |



TEST NUMBER: P331995-930

CATALOG NUMBER: S123DIP-S775D1195U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 |
| 2.5° | 782.0 | 783.3 | 784.4 | 785.0 | 784.8 | 784.6 | 784.5 | 784.4 |
| 5° | 780.7 | 782.3 | 783.7 | 784.4 | 784.2 | 784.1 | 783.9 | 783.7 |
| 7.5° | 776.0 | 778.0 | 779.8 | 780.6 | 780.4 | 780.2 | 780.0 | 779.8 |
| 10° | 771.3 | 773.1 | 775.0 | 775.8 | 775.4 | 775.0 | 774.7 | 774.3 |
| 12.5° | 764.8 | 766.5 | 768.3 | 769.0 | 768.6 | 768.3 | 767.8 | 767.4 |
| 15° | 752.4 | 754.4 | 756.3 | 757.1 | 756.9 | 756.8 | 756.5 | 756.4 |
| 17.5° | 736.4 | 738.1 | 739.8 | 740.5 | 740.3 | 740.0 | 739.7 | 739.5 |
| 20° | 724.8 | 726.5 | 728.2 | 729.1 | 729.4 | 729.5 | 729.7 | 729.9 |
| 22.5° | 712.0 | 714.2 | 716.3 | 717.4 | 717.3 | 717.1 | 717.1 | 716.9 |
| 25° | 690.5 | 692.9 | 695.4 | 696.6 | 696.6 | 696.6 | 696.6 | 696.6 |
| 27.5° | 667.9 | 670.0 | 672.1 | 673.3 | 673.4 | 673.6 | 673.8 | 673.9 |
| 30° | 652.5 | 654.8 | 657.0 | 658.2 | 658.2 | 658.2 | 658.2 | 658.2 |
| 32.5° | 635.7 | 638.1 | 640.6 | 642.0 | 642.5 | 642.9 | 643.4 | 643.8 |
| 35° | 611.0 | 613.8 | 616.6 | 618.5 | 619.2 | 620.0 | 620.7 | 621.5 |
| 37.5° | 585.2 | 588.5 | 591.7 | 593.6 | 594.2 | 594.8 | 595.4 | 596.1 |
| 40° | 568.2 | 571.4 | 574.6 | 576.6 | 577.4 | 578.1 | 578.9 | 579.7 |
| 42.5° | 550.3 | 553.8 | 557.4 | 559.7 | 560.8 | 561.8 | 562.9 | 563.9 |
| 45° | 523.7 | 527.3 | 530.9 | 533.5 | 535.0 | 536.5 | 538.0 | 539.6 |
| 47.5° | 496.8 | 500.8 | 504.9 | 507.5 | 508.7 | 509.9 | 511.0 | 512.2 |
| 50° | 478.3 | 482.6 | 487.0 | 489.8 | 491.1 | 492.4 | 493.8 | 495.1 |
| 52.5° | 459.4 | 464.0 | 468.5 | 471.6 | 473.2 | 474.8 | 476.5 | 478.1 |
| 55° | 431.1 | 436.3 | 441.3 | 444.7 | 446.2 | 447.7 | 449.2 | 450.8 |
| 57.5° | 402.2 | 407.3 | 412.5 | 416.0 | 417.8 | 419.6 | 421.3 | 423.1 |
| 60° | 382.0 | 387.3 | 392.6 | 396.3 | 398.4 | 400.5 | 402.6 | 404.6 |
| 62.5° | 362.9 | 368.2 | 373.5 | 377.1 | 379.0 | 381.0 | 382.9 | 384.8 |
| 65° | 332.4 | 338.0 | 343.7 | 347.6 | 349.4 | 351.3 | 353.3 | 355.1 |
| 67.5° | 302.0 | 308.3 | 314.5 | 318.4 | 319.9 | 321.6 | 323.2 | 324.7 |
| 70° | 281.9 | 288.0 | 294.1 | 298.0 | 299.9 | 301.8 | 303.7 | 305.7 |
| 72.5° | 261.7 | 267.9 | 274.2 | 278.3 | 280.1 | 282.0 | 283.9 | 285.8 |
| 75° | 231.1 | 237.3 | 243.6 | 247.9 | 250.1 | 252.4 | 254.7 | 257.0 |
| 77.5° | 202.4 | 209.0 | 215.6 | 219.7 | 221.5 | 223.2 | 225.0 | 226.7 |
| 80° | 183.6 | 190.0 | 196.6 | 200.7 | 202.6 | 204.5 | 206.4 | 208.3 |
| 82.5° | 166.6 | 173.0 | 179.4 | 183.6 | 185.6 | 187.4 | 189.3 | 191.2 |
| 85° | 142.7 | 149.1 | 155.6 | 159.7 | 161.6 | 163.5 | 165.4 | 167.3 |
| 87.5° | 126.5 | 133.1 | 139.7 | 144.1 | 146.1 | 148.1 | 150.0 | 152.0 |
| 90° | 133.8 | 141.0 | 148.4 | 153.2 | 155.5 | 157.8 | 160.1 | 162.4 |
| 92.5° | 141.3 | 148.3 | 155.2 | 159.5 | 161.0 | 162.5 | 164.0 | 165.5 |
| 95° | 168.0 | 174.8 | 181.5 | 185.8 | 187.7 | 189.6 | 191.5 | 193.4 |
| 97.5° | 201.3 | 207.9 | 214.6 | 218.7 | 220.6 | 222.4 | 224.2 | 226.0 |
| 100° | 225.8 | 232.0 | 238.1 | 242.3 | 244.6 | 247.0 | 249.2 | 251.5 |
| 102.5° | 254.7 | 260.7 | 266.7 | 270.6 | 272.4 | 274.2 | 276.1 | 277.9 |
| 105° | 298.2 | 303.5 | 308.8 | 312.6 | 314.7 | 316.8 | 318.9 | 321.1 |
| 107.5° | 345.6 | 351.4 | 357.1 | 360.7 | 362.2 | 363.5 | 364.9 | 366.4 |
| 110° | 377.8 | 383.6 | 389.4 | 392.8 | 394.0 | 395.0 | 396.2 | 397.2 |



TEST NUMBER: P331995-930

CATALOG NUMBER: S123DIP-S775D1195U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 409.4 | 415.2 | 420.9 | 424.7 | 426.2 | 427.9 | 429.4 | 431.0 |
| 115° | 458.3 | 463.1 | 467.8 | 470.9 | 472.2 | 473.5 | 474.8 | 476.1 |
| 117.5° | 507.4 | 511.9 | 516.4 | 519.1 | 520.0 | 520.9 | 521.8 | 522.6 |
| 120° | 540.5 | 544.7 | 548.9 | 551.4 | 552.3 | 553.2 | 554.1 | 555.0 |
| 122.5° | 574.1 | 577.7 | 581.4 | 583.6 | 584.3 | 585.1 | 585.8 | 586.5 |
| 125° | 623.8 | 626.9 | 630.1 | 631.9 | 632.3 | 632.8 | 633.3 | 633.8 |
| 127.5° | 672.9 | 675.4 | 678.0 | 679.5 | 679.7 | 680.0 | 680.4 | 680.7 |
| 130° | 705.4 | 708.2 | 710.9 | 712.2 | 711.8 | 711.4 | 711.1 | 710.8 |
| 132.5° | 736.9 | 739.4 | 741.8 | 743.1 | 743.3 | 743.5 | 743.6 | 743.8 |
| 135° | 784.6 | 787.2 | 789.7 | 791.2 | 791.8 | 792.3 | 792.9 | 793.4 |
| 137.5° | 831.3 | 833.4 | 835.5 | 836.7 | 836.8 | 836.9 | 837.1 | 837.2 |
| 140° | 862.2 | 864.8 | 867.5 | 868.5 | 868.0 | 867.5 | 866.9 | 866.4 |
| 142.5° | 890.7 | 893.0 | 895.4 | 896.4 | 896.3 | 896.0 | 895.9 | 895.7 |
| 145° | 934.7 | 936.0 | 937.3 | 938.0 | 937.9 | 937.8 | 937.7 | 937.6 |
| 147.5° | 976.8 | 977.2 | 977.7 | 977.6 | 977.1 | 976.5 | 975.9 | 975.3 |
| 150° | 1003.1 | 1003.1 | 1003.1 | 1002.7 | 1001.8 | 1000.9 | 1000.0 | 999.2 |
| 152.5° | 1028.1 | 1028.4 | 1028.7 | 1028.4 | 1027.4 | 1026.4 | 1025.4 | 1024.3 |
| 155° | 1064.5 | 1065.4 | 1066.2 | 1065.9 | 1064.5 | 1063.0 | 1061.5 | 1060.0 |
| 157.5° | 1095.8 | 1096.7 | 1097.6 | 1097.5 | 1096.3 | 1095.1 | 1094.0 | 1092.7 |
| 160° | 1115.2 | 1116.2 | 1117.3 | 1117.4 | 1116.6 | 1115.7 | 1114.8 | 1114.0 |
| 162.5° | 1133.3 | 1134.4 | 1135.5 | 1135.3 | 1133.9 | 1132.6 | 1131.2 | 1129.9 |
| 165° | 1156.3 | 1157.6 | 1158.9 | 1158.7 | 1157.2 | 1155.8 | 1154.3 | 1152.8 |
| 167.5° | 1174.9 | 1176.2 | 1177.5 | 1177.5 | 1176.2 | 1174.9 | 1173.6 | 1172.3 |
| 170° | 1185.1 | 1186.7 | 1188.1 | 1188.1 | 1186.7 | 1185.1 | 1183.7 | 1182.2 |
| 172.5° | 1193.2 | 1194.5 | 1195.8 | 1195.7 | 1194.2 | 1192.7 | 1191.2 | 1189.8 |
| 175° | 1201.8 | 1203.1 | 1204.3 | 1204.2 | 1202.7 | 1201.3 | 1199.8 | 1198.3 |
| 177.5° | 1205.7 | 1206.6 | 1207.6 | 1207.5 | 1206.4 | 1205.2 | 1204.0 | 1202.9 |
| 180° | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 |

(END OF REPORT)