

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: P331986

Luminaire Tested: **S123DIP-S775D1025U835-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331986
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-S775D1025U835-4F0-1E-UDD-D1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 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: 6754.6 lumens
Efficiency: N/A
Efficacy: 129.9 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

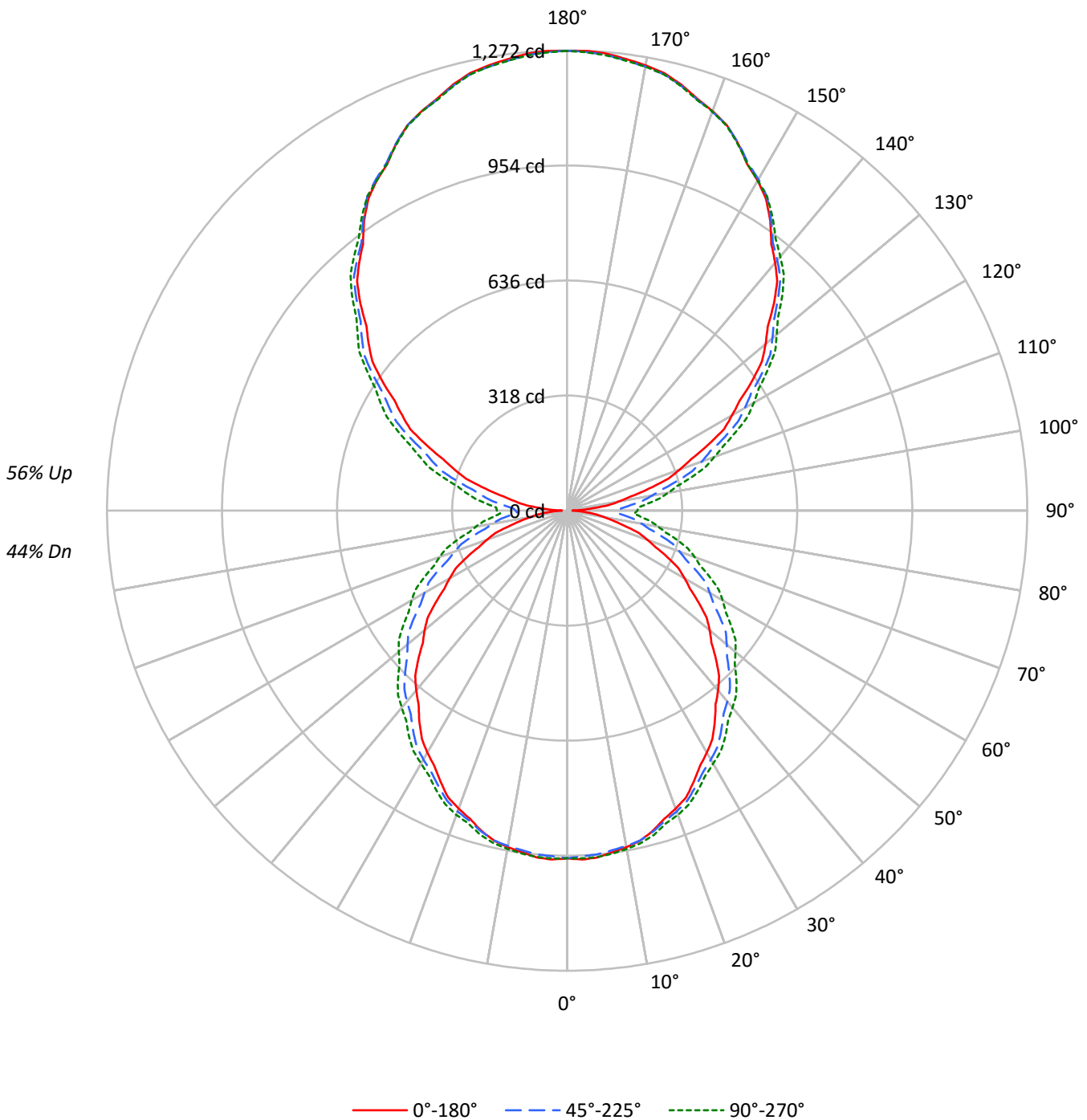
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331986

CATALOG NUMBER: S123DIP-S775D1025U835-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331986

CATALOG NUMBER: S123DIP-S775D1025U835-4F0-1E-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 50 | 50 | 50 | 44 | | | | |
| 1 | 95 | 91 | 87 | 83 | 87 | 83 | 79 | 76 | 69 | 66 | 64 | 55 | 54 | 52 | 43 | 42 | 41 | 35 | | | | |
| 2 | 87 | 79 | 72 | 67 | 79 | 72 | 66 | 62 | 60 | 55 | 52 | 48 | 45 | 43 | 37 | 35 | 34 | 29 | | | | |
| 3 | 79 | 69 | 61 | 55 | 72 | 63 | 56 | 51 | 52 | 47 | 43 | 42 | 39 | 36 | 33 | 30 | 28 | 24 | | | | |
| 4 | 72 | 61 | 53 | 46 | 65 | 56 | 49 | 43 | 46 | 41 | 37 | 37 | 33 | 30 | 29 | 26 | 24 | 20 | | | | |
| 5 | 66 | 54 | 46 | 40 | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 33 | 29 | 26 | 26 | 23 | 21 | 17 | | | | |
| 6 | 61 | 48 | 40 | 34 | 55 | 44 | 37 | 32 | 37 | 31 | 27 | 30 | 26 | 23 | 24 | 21 | 18 | 15 | | | | |
| 7 | 56 | 43 | 35 | 30 | 51 | 40 | 33 | 28 | 33 | 28 | 24 | 27 | 23 | 20 | 22 | 18 | 16 | 13 | | | | |
| 8 | 52 | 39 | 32 | 26 | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 14 | 12 | | | | |
| 9 | 48 | 36 | 28 | 23 | 44 | 33 | 26 | 22 | 28 | 22 | 19 | 23 | 19 | 16 | 18 | 15 | 13 | 11 | | | | |
| 10 | 45 | 33 | 26 | 21 | 41 | 30 | 24 | 19 | 26 | 20 | 17 | 21 | 17 | 14 | 17 | 14 | 12 | 10 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10346 | 10346 | 10346 |
| 5° | 10379 | 10086 | 10092 |
| 10° | 10286 | 9853 | 9804 |
| 15° | 10153 | 9590 | 9490 |
| 20° | 9963 | 9288 | 9146 |
| 25° | 9730 | 8942 | 8782 |
| 30° | 9490 | 8630 | 8415 |
| 35° | 9221 | 8300 | 8121 |
| 40° | 8965 | 8000 | 7807 |
| 45° | 8682 | 7712 | 7556 |
| 50° | 8400 | 7427 | 7278 |
| 55° | 8091 | 7135 | 7030 |
| 60° | 7790 | 6839 | 6774 |
| 65° | 7480 | 6524 | 6470 |
| 70° | 7013 | 6169 | 6159 |
| 75° | 6425 | 5763 | 5842 |
| 80° | 5749 | 5363 | 5479 |
| 85° | 5117 | 5090 | 5269 |



TEST NUMBER: P331986

CATALOG NUMBER: S123DIP-S775D1025U835-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 91.1 | 1.3 |
| 10°-20° | 259.8 | 3.8 |
| 20°-30° | 388.5 | 5.8 |
| 30°-40° | 464.0 | 6.9 |
| 40°-50° | 485.4 | 7.2 |
| 50°-60° | 455.5 | 6.7 |
| 60°-70° | 380.5 | 5.6 |
| 70°-80° | 272.2 | 4.0 |
| 80°-90° | 166.1 | 2.5 |
| 90°-100° | 184.6 | 2.7 |
| 100°-110° | 322.6 | 4.8 |
| 110°-120° | 471.4 | 7.0 |
| 120°-130° | 582.9 | 8.6 |
| 130°-140° | 635.9 | 9.4 |
| 140°-150° | 615.2 | 9.1 |
| 150°-160° | 515.6 | 7.6 |
| 160°-170° | 343.2 | 5.1 |
| 170°-180° | 120.2 | 1.8 |
| 0°-30° | 739.4 | 10.9 |
| 0°-40° | 1203.3 | 17.8 |
| 0°-60° | 2144.3 | 31.7 |
| 0°-90° | 2963.0 | 43.9 |
| 90°-120° | 978.7 | 14.5 |
| 90°-150° | 2812.6 | 41.6 |
| 90°-180° | 3792.0 | 56.1 |
| 0°-180° | 6754.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 961 | 961 | 961 | 961 | 961 | |
| 5° | 962 | 960 | 954 | 962 | 961 | 91 |
| 15° | 916 | 919 | 918 | 928 | 928 | 258 |
| 25° | 827 | 837 | 841 | 854 | 854 | 381 |
| 35° | 712 | 729 | 742 | 757 | 762 | 445 |
| 45° | 582 | 607 | 634 | 653 | 662 | 449 |
| 55° | 444 | 479 | 516 | 543 | 553 | 397 |
| 65° | 307 | 348 | 394 | 424 | 436 | 303 |
| 75° | 166 | 216 | 268 | 301 | 315 | 178 |
| 85° | 51 | 104 | 159 | 193 | 205 | 54 |
| 90° | 15 | 76 | 142 | 180 | 194 | 13 |
| 95° | 70 | 119 | 178 | 212 | 224 | 75 |
| 105° | 233 | 262 | 314 | 342 | 355 | 249 |
| 115° | 430 | 446 | 481 | 506 | 514 | 425 |
| 125° | 624 | 628 | 655 | 673 | 677 | 557 |
| 135° | 808 | 813 | 823 | 837 | 841 | 622 |
| 145° | 978 | 979 | 982 | 989 | 990 | 611 |
| 155° | 1119 | 1119 | 1120 | 1123 | 1117 | 515 |
| 165° | 1219 | 1216 | 1216 | 1221 | 1215 | 344 |
| 175° | 1268 | 1264 | 1264 | 1269 | 1263 | 120 |
| 180° | 1271 | 1271 | 1271 | 1271 | 1271 | |



TEST NUMBER: P331986

CATALOG NUMBER: S123DIP-S775D1025U835-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 961.2 | 961.2 | 961.2 | 961.2 | 961.2 | 961.2 | 961.2 | 961.2 | 961.2 | 961.2 | 961.2 |
| 2.5° | 965.4 | 964.8 | 964.3 | 963.7 | 963.2 | 962.1 | 960.7 | 959.2 | 957.7 | 956.2 | 957.7 |
| 5° | 962.3 | 961.8 | 961.3 | 960.9 | 960.4 | 959.5 | 958.1 | 956.7 | 955.3 | 953.9 | 955.8 |
| 7.5° | 952.8 | 952.9 | 953.0 | 953.1 | 953.2 | 952.6 | 951.2 | 949.9 | 948.5 | 947.2 | 949.5 |
| 10° | 944.5 | 944.9 | 945.4 | 945.9 | 946.3 | 946.0 | 944.8 | 943.7 | 942.5 | 941.3 | 943.7 |
| 12.5° | 934.4 | 935.1 | 935.7 | 936.4 | 937.0 | 937.0 | 936.2 | 935.4 | 934.6 | 933.8 | 935.9 |
| 15° | 916.2 | 916.9 | 917.6 | 918.3 | 919.0 | 919.2 | 919.0 | 918.8 | 918.5 | 918.3 | 920.6 |
| 17.5° | 893.2 | 894.6 | 896.0 | 897.3 | 898.7 | 899.4 | 899.3 | 899.2 | 899.1 | 899.0 | 901.1 |
| 20° | 876.4 | 877.8 | 879.2 | 880.6 | 882.0 | 882.9 | 883.4 | 883.9 | 884.3 | 884.8 | 886.9 |
| 22.5° | 858.8 | 860.2 | 861.6 | 863.0 | 864.4 | 865.4 | 866.1 | 866.7 | 867.4 | 868.0 | 870.7 |
| 25° | 827.2 | 829.5 | 831.8 | 834.2 | 836.5 | 838.0 | 838.7 | 839.4 | 840.1 | 840.8 | 843.8 |
| 27.5° | 795.4 | 798.0 | 800.7 | 803.3 | 806.0 | 808.0 | 809.5 | 811.0 | 812.5 | 814.0 | 816.6 |
| 30° | 772.7 | 775.8 | 778.8 | 781.8 | 784.8 | 787.3 | 789.1 | 791.0 | 792.9 | 794.7 | 797.5 |
| 32.5° | 747.6 | 751.0 | 754.4 | 757.8 | 761.2 | 764.1 | 766.5 | 769.0 | 771.4 | 773.8 | 776.8 |
| 35° | 712.0 | 715.7 | 719.5 | 723.2 | 726.9 | 730.3 | 733.3 | 736.3 | 739.4 | 742.4 | 745.9 |
| 37.5° | 674.3 | 678.5 | 682.7 | 686.9 | 691.1 | 695.0 | 698.8 | 702.5 | 706.2 | 709.9 | 713.9 |
| 40° | 649.2 | 653.4 | 657.6 | 661.8 | 665.9 | 670.4 | 675.0 | 679.7 | 684.3 | 689.0 | 692.9 |
| 42.5° | 621.5 | 626.7 | 631.8 | 636.9 | 642.0 | 647.0 | 651.8 | 656.7 | 661.5 | 666.4 | 670.7 |
| 45° | 582.2 | 587.8 | 593.3 | 598.9 | 604.5 | 610.2 | 616.0 | 621.8 | 627.7 | 633.5 | 637.9 |
| 47.5° | 540.9 | 547.3 | 553.6 | 559.9 | 566.2 | 572.7 | 579.4 | 586.0 | 592.7 | 599.3 | 604.3 |
| 50° | 514.1 | 520.6 | 527.1 | 533.7 | 540.2 | 547.0 | 554.3 | 561.5 | 568.7 | 575.9 | 581.2 |
| 52.5° | 485.6 | 492.5 | 499.4 | 506.3 | 513.2 | 520.6 | 528.6 | 536.5 | 544.5 | 552.4 | 558.0 |
| 55° | 444.0 | 451.6 | 459.3 | 467.0 | 474.7 | 482.7 | 491.1 | 499.5 | 507.8 | 516.2 | 522.5 |
| 57.5° | 403.3 | 411.3 | 419.3 | 427.3 | 435.4 | 443.9 | 453.1 | 462.3 | 471.4 | 480.6 | 486.9 |
| 60° | 374.9 | 383.2 | 391.6 | 400.0 | 408.4 | 417.3 | 426.9 | 436.4 | 445.9 | 455.5 | 462.0 |
| 62.5° | 348.0 | 356.6 | 365.2 | 373.7 | 382.3 | 391.6 | 401.7 | 411.8 | 421.9 | 432.0 | 438.5 |
| 65° | 306.8 | 315.9 | 324.9 | 334.0 | 343.1 | 352.7 | 363.0 | 373.2 | 383.5 | 393.7 | 400.7 |
| 67.5° | 264.9 | 274.5 | 284.2 | 293.8 | 303.4 | 313.5 | 323.9 | 334.3 | 344.7 | 355.2 | 362.8 |
| 70° | 235.6 | 245.6 | 255.6 | 265.6 | 275.6 | 286.2 | 297.4 | 308.5 | 319.7 | 330.9 | 338.3 |
| 72.5° | 208.8 | 218.8 | 228.8 | 238.8 | 248.8 | 259.6 | 271.1 | 282.7 | 294.2 | 305.7 | 313.4 |
| 75° | 166.5 | 177.4 | 188.4 | 199.3 | 210.2 | 221.5 | 233.1 | 244.8 | 256.4 | 268.1 | 275.7 |
| 77.5° | 129.6 | 140.7 | 151.7 | 162.7 | 173.7 | 185.1 | 196.9 | 208.6 | 220.3 | 232.0 | 240.1 |
| 80° | 103.7 | 115.1 | 126.5 | 137.9 | 149.3 | 161.0 | 173.1 | 185.2 | 197.3 | 209.4 | 217.3 |
| 82.5° | 81.0 | 92.6 | 104.2 | 115.8 | 127.4 | 139.3 | 151.6 | 163.9 | 176.2 | 188.5 | 196.4 |
| 85° | 51.3 | 62.9 | 74.6 | 86.2 | 97.8 | 109.8 | 122.2 | 134.5 | 146.8 | 159.2 | 167.1 |
| 87.5° | 28.1 | 40.1 | 52.1 | 64.1 | 76.2 | 88.4 | 100.9 | 113.3 | 125.7 | 138.2 | 146.3 |
| 90° | 14.6 | 28.2 | 41.8 | 55.5 | 69.1 | 83.3 | 98.0 | 112.8 | 127.5 | 142.3 | 151.1 |
| 92.5° | 36.9 | 48.7 | 60.5 | 72.3 | 84.1 | 96.7 | 110.0 | 123.3 | 136.6 | 149.9 | 158.4 |
| 95° | 70.4 | 81.0 | 91.7 | 102.3 | 112.9 | 124.8 | 138.0 | 151.2 | 164.4 | 177.5 | 185.6 |
| 97.5° | 114.9 | 124.2 | 133.6 | 142.9 | 152.2 | 163.0 | 175.2 | 187.4 | 199.5 | 211.7 | 219.7 |
| 100° | 145.2 | 154.0 | 162.7 | 171.5 | 180.3 | 190.6 | 202.4 | 214.2 | 226.0 | 237.8 | 245.2 |
| 102.5° | 180.3 | 187.8 | 195.3 | 202.8 | 210.3 | 220.0 | 232.0 | 244.0 | 256.0 | 267.9 | 275.2 |
| 105° | 233.0 | 239.0 | 245.0 | 251.1 | 257.1 | 266.1 | 278.1 | 290.1 | 302.1 | 314.1 | 320.6 |
| 107.5° | 293.2 | 298.2 | 303.2 | 308.2 | 313.3 | 320.9 | 331.2 | 341.5 | 351.8 | 362.1 | 369.0 |
| 110° | 330.7 | 335.3 | 340.0 | 344.6 | 349.2 | 356.4 | 366.2 | 375.9 | 385.7 | 395.4 | 402.4 |



TEST NUMBER: P331986

CATALOG NUMBER: S123DIP-S775D1025U835-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 370.6 | 374.3 | 378.0 | 381.8 | 385.5 | 391.8 | 400.9 | 409.9 | 418.9 | 427.9 | 434.9 |
| 115° | 429.5 | 432.9 | 436.4 | 439.8 | 443.3 | 449.0 | 456.9 | 464.9 | 472.8 | 480.7 | 486.5 |
| 117.5° | 489.6 | 491.7 | 493.9 | 496.1 | 498.2 | 502.9 | 510.2 | 517.5 | 524.8 | 532.1 | 537.6 |
| 120° | 526.3 | 528.7 | 531.2 | 533.7 | 536.2 | 540.8 | 547.3 | 553.9 | 560.5 | 567.0 | 572.2 |
| 122.5° | 565.4 | 567.0 | 568.5 | 570.1 | 571.7 | 575.9 | 582.6 | 589.3 | 596.0 | 602.8 | 607.4 |
| 125° | 624.0 | 624.7 | 625.4 | 626.0 | 626.7 | 630.2 | 636.5 | 642.8 | 649.1 | 655.4 | 659.4 |
| 127.5° | 679.1 | 680.3 | 681.5 | 682.7 | 683.9 | 687.0 | 692.1 | 697.2 | 702.3 | 707.4 | 710.8 |
| 130° | 715.9 | 717.4 | 718.9 | 720.5 | 722.0 | 724.8 | 728.8 | 732.8 | 736.8 | 740.7 | 744.3 |
| 132.5° | 751.8 | 753.5 | 755.2 | 756.9 | 758.7 | 761.2 | 764.4 | 767.6 | 770.9 | 774.1 | 777.3 |
| 135° | 807.6 | 808.7 | 809.8 | 810.9 | 812.0 | 813.8 | 816.1 | 818.4 | 820.8 | 823.1 | 826.4 |
| 137.5° | 859.3 | 860.3 | 861.2 | 862.1 | 863.0 | 864.5 | 866.5 | 868.5 | 870.6 | 872.6 | 875.3 |
| 140° | 894.4 | 895.6 | 896.7 | 897.8 | 898.9 | 899.9 | 900.8 | 901.7 | 902.7 | 903.6 | 906.8 |
| 142.5° | 927.2 | 928.1 | 929.0 | 930.0 | 930.9 | 931.6 | 932.1 | 932.7 | 933.2 | 933.8 | 936.7 |
| 145° | 978.3 | 978.5 | 978.7 | 978.9 | 979.1 | 979.6 | 980.2 | 980.9 | 981.6 | 982.2 | 983.9 |
| 147.5° | 1022.0 | 1022.8 | 1023.6 | 1024.4 | 1025.2 | 1025.9 | 1026.5 | 1027.1 | 1027.7 | 1028.4 | 1028.9 |
| 150° | 1053.1 | 1053.6 | 1054.0 | 1054.4 | 1054.9 | 1055.3 | 1055.8 | 1056.2 | 1056.7 | 1057.1 | 1057.1 |
| 152.5° | 1078.7 | 1079.3 | 1079.9 | 1080.5 | 1081.1 | 1081.6 | 1081.9 | 1082.1 | 1082.4 | 1082.7 | 1083.0 |
| 155° | 1119.0 | 1119.0 | 1119.0 | 1119.0 | 1119.0 | 1119.1 | 1119.3 | 1119.5 | 1119.8 | 1120.0 | 1120.9 |
| 157.5° | 1153.3 | 1153.1 | 1152.8 | 1152.5 | 1152.3 | 1152.2 | 1152.4 | 1152.6 | 1152.8 | 1152.9 | 1153.9 |
| 160° | 1174.9 | 1174.4 | 1174.0 | 1173.6 | 1173.1 | 1172.9 | 1172.9 | 1172.9 | 1172.9 | 1172.9 | 1174.0 |
| 162.5° | 1194.1 | 1193.4 | 1192.8 | 1192.2 | 1191.6 | 1191.4 | 1191.5 | 1191.7 | 1191.9 | 1192.1 | 1193.2 |
| 165° | 1218.8 | 1218.1 | 1217.5 | 1216.8 | 1216.2 | 1215.8 | 1215.8 | 1215.8 | 1215.8 | 1215.8 | 1217.1 |
| 167.5° | 1238.6 | 1237.7 | 1236.8 | 1235.9 | 1235.0 | 1234.7 | 1234.9 | 1235.0 | 1235.2 | 1235.4 | 1236.8 |
| 170° | 1249.8 | 1248.9 | 1248.0 | 1247.1 | 1246.2 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1247.3 |
| 172.5° | 1258.5 | 1257.7 | 1256.8 | 1255.9 | 1255.0 | 1254.5 | 1254.5 | 1254.5 | 1254.5 | 1254.5 | 1255.9 |
| 175° | 1267.7 | 1266.8 | 1265.9 | 1265.1 | 1264.2 | 1263.7 | 1263.7 | 1263.7 | 1263.7 | 1263.7 | 1265.1 |
| 177.5° | 1271.5 | 1270.8 | 1270.1 | 1269.4 | 1268.7 | 1268.3 | 1268.3 | 1268.3 | 1268.3 | 1268.3 | 1269.4 |
| 180° | 1270.7 | 1270.7 | 1270.7 | 1270.7 | 1270.7 | 1270.7 | 1270.7 | 1270.7 | 1270.7 | 1270.7 | 1270.7 |



TEST NUMBER: P331986

CATALOG NUMBER: S123DIP-S775D1025U835-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 961.2 | 961.2 | 961.2 | 961.2 | 961.2 | 961.2 | 961.2 | 961.2 |
| 2.5° | 959.2 | 960.7 | 962.1 | 962.8 | 962.6 | 962.4 | 962.2 | 962.1 |
| 5° | 957.6 | 959.5 | 961.3 | 962.1 | 961.9 | 961.7 | 961.5 | 961.2 |
| 7.5° | 951.8 | 954.2 | 956.5 | 957.5 | 957.2 | 957.0 | 956.7 | 956.4 |
| 10° | 946.0 | 948.3 | 950.6 | 951.6 | 951.1 | 950.6 | 950.2 | 949.7 |
| 12.5° | 938.1 | 940.2 | 942.3 | 943.2 | 942.7 | 942.3 | 941.8 | 941.3 |
| 15° | 922.9 | 925.3 | 927.6 | 928.6 | 928.4 | 928.2 | 927.9 | 927.7 |
| 17.5° | 903.2 | 905.3 | 907.4 | 908.3 | 908.0 | 907.6 | 907.3 | 907.0 |
| 20° | 889.0 | 891.1 | 893.2 | 894.3 | 894.6 | 894.8 | 895.0 | 895.3 |
| 22.5° | 873.3 | 876.0 | 878.6 | 879.9 | 879.8 | 879.6 | 879.5 | 879.3 |
| 25° | 846.9 | 849.9 | 852.9 | 854.4 | 854.4 | 854.4 | 854.4 | 854.4 |
| 27.5° | 819.2 | 821.8 | 824.4 | 825.8 | 826.0 | 826.2 | 826.4 | 826.6 |
| 30° | 800.3 | 803.1 | 805.9 | 807.3 | 807.3 | 807.3 | 807.3 | 807.3 |
| 32.5° | 779.7 | 782.7 | 785.7 | 787.5 | 788.0 | 788.6 | 789.1 | 789.7 |
| 35° | 749.4 | 752.9 | 756.3 | 758.6 | 759.5 | 760.4 | 761.3 | 762.3 |
| 37.5° | 717.8 | 721.8 | 725.7 | 728.1 | 728.8 | 729.6 | 730.3 | 731.1 |
| 40° | 696.9 | 700.8 | 704.8 | 707.2 | 708.2 | 709.1 | 710.0 | 711.0 |
| 42.5° | 675.0 | 679.3 | 683.7 | 686.5 | 687.8 | 689.1 | 690.4 | 691.7 |
| 45° | 642.3 | 646.7 | 651.2 | 654.3 | 656.2 | 658.0 | 659.9 | 661.8 |
| 47.5° | 609.3 | 614.3 | 619.3 | 622.5 | 623.9 | 625.4 | 626.8 | 628.2 |
| 50° | 586.6 | 591.9 | 597.3 | 600.8 | 602.4 | 604.0 | 605.7 | 607.3 |
| 52.5° | 563.5 | 569.1 | 574.6 | 578.4 | 580.4 | 582.4 | 584.4 | 586.4 |
| 55° | 528.8 | 535.1 | 541.3 | 545.4 | 547.3 | 549.1 | 551.0 | 552.9 |
| 57.5° | 493.3 | 499.6 | 505.9 | 510.2 | 512.4 | 514.6 | 516.7 | 518.9 |
| 60° | 468.5 | 475.0 | 481.5 | 486.1 | 488.6 | 491.2 | 493.8 | 496.3 |
| 62.5° | 445.1 | 451.6 | 458.1 | 462.5 | 464.9 | 467.3 | 469.7 | 472.0 |
| 65° | 407.7 | 414.6 | 421.6 | 426.3 | 428.6 | 430.9 | 433.3 | 435.6 |
| 67.5° | 370.4 | 378.1 | 385.7 | 390.5 | 392.4 | 394.4 | 396.4 | 398.3 |
| 70° | 345.8 | 353.2 | 360.7 | 365.5 | 367.9 | 370.2 | 372.5 | 374.9 |
| 72.5° | 321.0 | 328.6 | 336.3 | 341.3 | 343.6 | 345.9 | 348.2 | 350.6 |
| 75° | 283.4 | 291.1 | 298.8 | 304.0 | 306.8 | 309.6 | 312.4 | 315.2 |
| 77.5° | 248.2 | 256.3 | 264.4 | 269.5 | 271.7 | 273.8 | 276.0 | 278.1 |
| 80° | 225.2 | 233.1 | 241.1 | 246.2 | 248.5 | 250.8 | 253.2 | 255.5 |
| 82.5° | 204.3 | 212.2 | 220.1 | 225.2 | 227.6 | 229.9 | 232.2 | 234.5 |
| 85° | 175.0 | 182.9 | 190.8 | 195.9 | 198.2 | 200.6 | 202.9 | 205.2 |
| 87.5° | 154.4 | 162.5 | 170.5 | 175.8 | 178.2 | 180.6 | 183.0 | 185.5 |
| 90° | 159.9 | 168.7 | 177.5 | 183.3 | 186.0 | 188.8 | 191.6 | 194.3 |
| 92.5° | 166.8 | 175.3 | 183.7 | 188.8 | 190.7 | 192.6 | 194.5 | 196.3 |
| 95° | 193.7 | 201.8 | 209.9 | 215.1 | 217.5 | 219.8 | 222.1 | 224.5 |
| 97.5° | 227.6 | 235.6 | 243.5 | 248.6 | 250.9 | 253.1 | 255.3 | 257.6 |
| 100° | 252.7 | 260.1 | 267.5 | 272.6 | 275.3 | 278.1 | 280.9 | 283.7 |
| 102.5° | 282.4 | 289.6 | 296.9 | 301.6 | 303.8 | 306.1 | 308.3 | 310.5 |
| 105° | 327.1 | 333.7 | 340.2 | 344.7 | 347.2 | 349.8 | 352.3 | 354.8 |
| 107.5° | 376.0 | 382.9 | 389.9 | 394.2 | 396.0 | 397.8 | 399.6 | 401.4 |
| 110° | 409.3 | 416.2 | 423.2 | 427.3 | 428.8 | 430.2 | 431.6 | 433.0 |



TEST NUMBER: P331986

CATALOG NUMBER: S123DIP-S775D1025U835-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 441.8 | 448.7 | 455.6 | 460.1 | 462.0 | 464.0 | 466.0 | 467.9 |
| 115° | 492.3 | 498.2 | 504.0 | 507.7 | 509.3 | 511.0 | 512.6 | 514.2 |
| 117.5° | 543.1 | 548.6 | 554.1 | 557.4 | 558.6 | 559.8 | 561.0 | 562.2 |
| 120° | 577.3 | 582.4 | 587.6 | 590.7 | 591.9 | 593.1 | 594.3 | 595.5 |
| 122.5° | 612.0 | 616.5 | 621.1 | 623.9 | 624.9 | 625.9 | 627.0 | 628.0 |
| 125° | 663.4 | 667.4 | 671.4 | 673.8 | 674.5 | 675.2 | 676.0 | 676.7 |
| 127.5° | 714.1 | 717.5 | 720.9 | 722.8 | 723.4 | 724.0 | 724.5 | 725.1 |
| 130° | 747.8 | 751.3 | 754.9 | 756.6 | 756.4 | 756.3 | 756.1 | 755.9 |
| 132.5° | 780.4 | 783.6 | 786.8 | 788.5 | 788.9 | 789.3 | 789.7 | 790.1 |
| 135° | 829.7 | 833.0 | 836.3 | 838.3 | 839.0 | 839.8 | 840.5 | 841.2 |
| 137.5° | 878.1 | 880.8 | 883.6 | 885.1 | 885.4 | 885.7 | 886.1 | 886.4 |
| 140° | 910.1 | 913.4 | 916.6 | 918.1 | 917.7 | 917.3 | 916.9 | 916.5 |
| 142.5° | 939.6 | 942.5 | 945.3 | 946.8 | 946.7 | 946.7 | 946.7 | 946.6 |
| 145° | 985.5 | 987.2 | 988.8 | 989.6 | 989.7 | 989.7 | 989.8 | 989.8 |
| 147.5° | 1029.5 | 1030.0 | 1030.6 | 1030.6 | 1030.1 | 1029.6 | 1029.1 | 1028.6 |
| 150° | 1057.1 | 1057.1 | 1057.1 | 1056.7 | 1055.8 | 1054.9 | 1054.1 | 1053.2 |
| 152.5° | 1083.4 | 1083.7 | 1084.1 | 1083.7 | 1082.7 | 1081.6 | 1080.5 | 1079.5 |
| 155° | 1121.8 | 1122.7 | 1123.5 | 1123.2 | 1121.7 | 1120.1 | 1118.5 | 1117.0 |
| 157.5° | 1154.8 | 1155.7 | 1156.7 | 1156.5 | 1155.3 | 1154.0 | 1152.8 | 1151.5 |
| 160° | 1175.1 | 1176.2 | 1177.3 | 1177.4 | 1176.6 | 1175.7 | 1174.8 | 1173.9 |
| 162.5° | 1194.3 | 1195.4 | 1196.5 | 1196.3 | 1194.9 | 1193.5 | 1192.1 | 1190.7 |
| 165° | 1218.5 | 1219.8 | 1221.1 | 1221.0 | 1219.5 | 1217.9 | 1216.4 | 1214.8 |
| 167.5° | 1238.1 | 1239.5 | 1240.9 | 1240.9 | 1239.5 | 1238.1 | 1236.8 | 1235.4 |
| 170° | 1248.9 | 1250.4 | 1252.0 | 1252.0 | 1250.4 | 1248.9 | 1247.3 | 1245.8 |
| 172.5° | 1257.3 | 1258.7 | 1260.0 | 1260.0 | 1258.4 | 1256.9 | 1255.3 | 1253.7 |
| 175° | 1266.4 | 1267.7 | 1269.1 | 1268.9 | 1267.4 | 1265.8 | 1264.3 | 1262.7 |
| 177.5° | 1270.5 | 1271.5 | 1272.6 | 1272.5 | 1271.3 | 1270.0 | 1268.8 | 1267.5 |
| 180° | 1270.7 | 1270.7 | 1270.7 | 1270.7 | 1270.7 | 1270.7 | 1270.7 | 1270.7 |

(END OF REPORT)