

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: P332321-927

Luminaire Tested: **S123RDIP-S775D1025U927-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332321-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S775D1025U927-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1025 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5559.1 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.06 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: General Diffuse

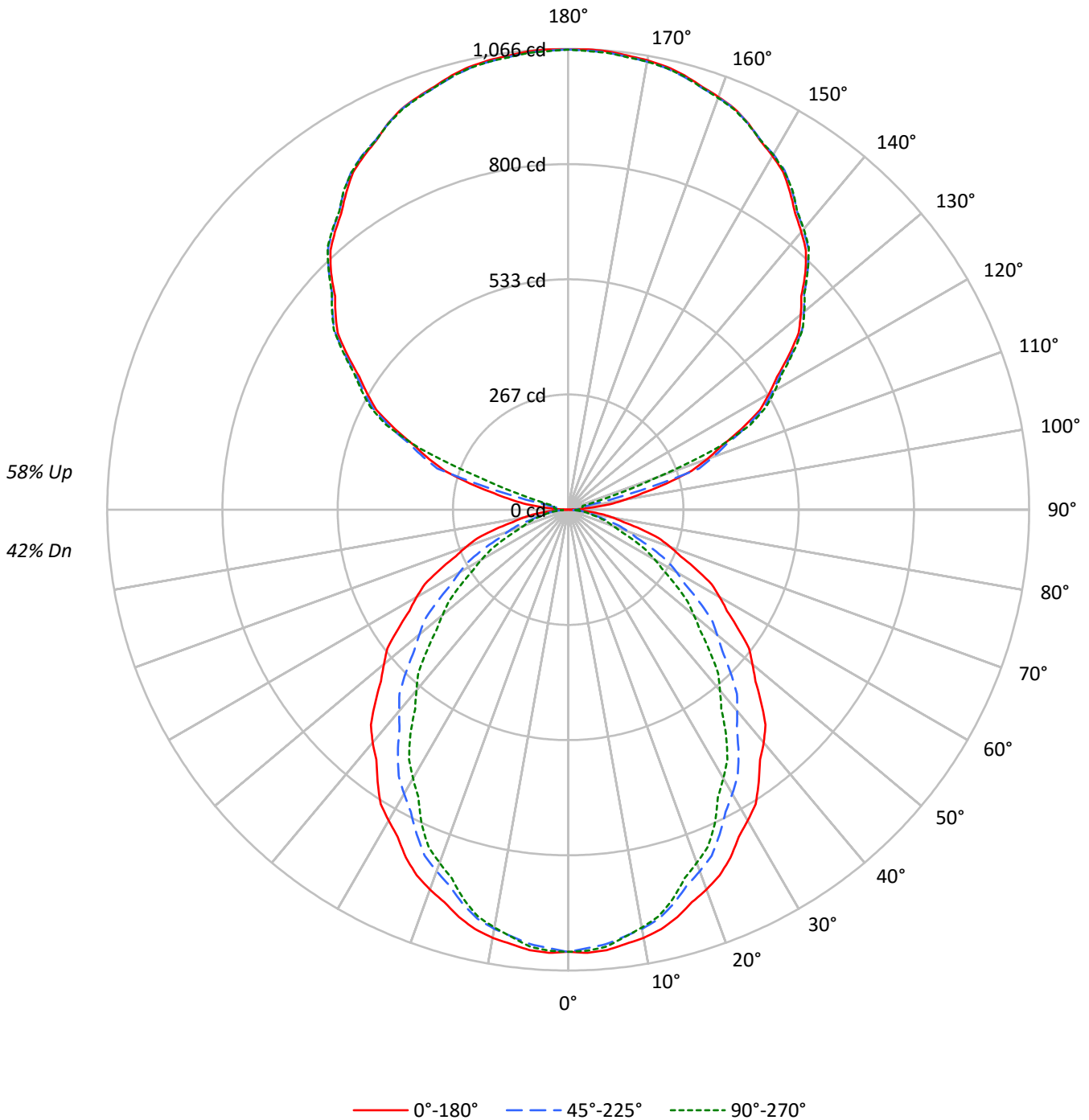
Input Watts (W): 52
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332321-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332321-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F

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 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 63 | 63 | 63 | 48 | 48 | 48 | 42 |
| 1 | 96 | 92 | 88 | 85 | 88 | 84 | 81 | 78 | 69 | 67 | 65 | 56 | 54 | 53 | 43 | 42 | 41 | 36 |
| 2 | 88 | 81 | 75 | 70 | 80 | 74 | 69 | 64 | 61 | 57 | 54 | 49 | 47 | 45 | 38 | 37 | 35 | 30 |
| 3 | 80 | 71 | 64 | 58 | 73 | 65 | 59 | 54 | 54 | 50 | 46 | 44 | 41 | 38 | 34 | 32 | 30 | 26 |
| 4 | 73 | 63 | 55 | 50 | 67 | 58 | 51 | 46 | 48 | 43 | 39 | 39 | 36 | 33 | 31 | 28 | 26 | 22 |
| 5 | 67 | 56 | 48 | 42 | 61 | 52 | 45 | 40 | 43 | 38 | 34 | 35 | 31 | 28 | 28 | 25 | 23 | 20 |
| 6 | 62 | 50 | 43 | 37 | 57 | 46 | 40 | 34 | 39 | 34 | 30 | 32 | 28 | 25 | 25 | 23 | 20 | 17 |
| 7 | 57 | 46 | 38 | 32 | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 23 | 20 | 18 | 15 |
| 8 | 53 | 41 | 34 | 29 | 49 | 38 | 31 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 21 | 18 | 16 | 14 |
| 9 | 50 | 38 | 30 | 26 | 45 | 35 | 28 | 24 | 30 | 24 | 21 | 24 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10 | 46 | 35 | 28 | 23 | 42 | 32 | 26 | 22 | 27 | 22 | 19 | 23 | 19 | 16 | 18 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11009 | 11009 | 11009 |
| 5° | 11051 | 10899 | 10962 |
| 10° | 10989 | 10762 | 10726 |
| 15° | 10871 | 10510 | 10399 |
| 20° | 10709 | 10195 | 9958 |
| 25° | 10542 | 9841 | 9526 |
| 30° | 10320 | 9434 | 8918 |
| 35° | 10093 | 9025 | 8360 |
| 40° | 9884 | 8543 | 7669 |
| 45° | 9608 | 8068 | 7046 |
| 50° | 9306 | 7529 | 6348 |
| 55° | 8997 | 6912 | 5697 |
| 60° | 8714 | 6250 | 4982 |
| 65° | 8344 | 5535 | 4266 |
| 70° | 7884 | 4648 | 3446 |
| 75° | 7207 | 3656 | 3244 |
| 80° | 6428 | 3242 | 2982 |
| 85° | 5434 | 2865 | 2655 |



TEST NUMBER: P332321-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 96.0 | 1.7 |
| 10°-20° | 267.2 | 4.8 |
| 20°-30° | 384.8 | 6.9 |
| 30°-40° | 433.4 | 7.8 |
| 40°-50° | 414.6 | 7.5 |
| 50°-60° | 339.6 | 6.1 |
| 60°-70° | 229.1 | 4.1 |
| 70°-80° | 115.3 | 2.1 |
| 80°-90° | 33.5 | 0.6 |
| 90°-100° | 38.7 | 0.7 |
| 100°-110° | 184.4 | 3.3 |
| 110°-120° | 443.0 | 8.0 |
| 120°-130° | 564.1 | 10.1 |
| 130°-140° | 602.7 | 10.8 |
| 140°-150° | 563.6 | 10.1 |
| 150°-160° | 454.6 | 8.2 |
| 160°-170° | 293.4 | 5.3 |
| 170°-180° | 101.1 | 1.8 |
| 0°-30° | 748.0 | 13.5 |
| 0°-40° | 1181.5 | 21.3 |
| 0°-60° | 1935.6 | 34.8 |
| 0°-90° | 2313.5 | 41.6 |
| 90°-120° | 666.1 | 12.0 |
| 90°-150° | 2396.5 | 43.1 |
| 90°-180° | 3246.0 | 58.4 |
| 0°-180° | 5559.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1023 | 1023 | 1023 | 1023 | 1023 | |
| 5° | 1023 | 1018 | 1009 | 1016 | 1014 | 97 |
| 15° | 976 | 966 | 943 | 939 | 933 | 275 |
| 25° | 888 | 866 | 829 | 812 | 802 | 408 |
| 35° | 768 | 737 | 687 | 652 | 636 | 481 |
| 45° | 631 | 592 | 530 | 484 | 463 | 487 |
| 55° | 479 | 437 | 368 | 322 | 304 | 430 |
| 65° | 328 | 281 | 217 | 178 | 168 | 324 |
| 75° | 173 | 133 | 88 | 80 | 78 | 185 |
| 85° | 44 | 27 | 23 | 22 | 22 | 49 |
| 90° | 1 | 9 | 19 | 22 | 24 | 4 |
| 95° | 48 | 18 | 24 | 30 | 30 | 60 |
| 105° | 236 | 240 | 173 | 41 | 35 | 250 |
| 115° | 442 | 447 | 454 | 462 | 465 | 436 |
| 125° | 623 | 629 | 633 | 634 | 636 | 556 |
| 135° | 776 | 780 | 784 | 786 | 784 | 597 |
| 145° | 895 | 900 | 902 | 904 | 904 | 560 |
| 155° | 986 | 985 | 985 | 989 | 984 | 454 |
| 165° | 1040 | 1038 | 1037 | 1042 | 1037 | 294 |
| 175° | 1064 | 1061 | 1061 | 1066 | 1060 | 101 |
| 180° | 1064 | 1064 | 1064 | 1064 | 1064 | |



TEST NUMBER: P332321-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 |
| 2.5° | 1026.0 | 1025.5 | 1024.8 | 1024.3 | 1023.7 | 1022.5 | 1020.7 | 1019.0 | 1017.2 | 1015.4 | 1017.1 |
| 5° | 1022.8 | 1021.8 | 1020.9 | 1020.0 | 1019.1 | 1017.5 | 1015.3 | 1013.0 | 1010.8 | 1008.7 | 1010.3 |
| 7.5° | 1013.3 | 1012.3 | 1011.3 | 1010.3 | 1009.3 | 1007.3 | 1004.5 | 1001.6 | 998.8 | 995.9 | 996.8 |
| 10° | 1005.4 | 1004.0 | 1002.7 | 1001.5 | 1000.1 | 997.8 | 994.5 | 991.3 | 987.9 | 984.6 | 984.8 |
| 12.5° | 994.0 | 992.6 | 991.2 | 989.8 | 988.3 | 985.6 | 981.5 | 977.5 | 973.4 | 969.3 | 969.2 |
| 15° | 975.5 | 973.4 | 971.4 | 969.4 | 967.3 | 963.8 | 958.6 | 953.5 | 948.2 | 943.1 | 942.2 |
| 17.5° | 952.0 | 949.7 | 947.4 | 945.0 | 942.6 | 938.2 | 931.6 | 925.0 | 918.5 | 912.0 | 910.0 |
| 20° | 934.9 | 931.8 | 928.9 | 926.0 | 923.1 | 918.1 | 911.0 | 904.0 | 897.1 | 890.0 | 887.6 |
| 22.5° | 915.6 | 912.2 | 908.8 | 905.4 | 902.0 | 896.6 | 889.1 | 881.7 | 874.3 | 866.8 | 863.8 |
| 25° | 887.6 | 883.0 | 878.3 | 873.7 | 869.1 | 862.5 | 854.1 | 845.6 | 837.1 | 828.6 | 824.7 |
| 27.5° | 853.5 | 848.4 | 843.4 | 838.3 | 833.2 | 825.9 | 816.5 | 807.1 | 797.6 | 788.1 | 782.8 |
| 30° | 830.3 | 824.7 | 819.3 | 813.7 | 808.2 | 800.3 | 790.0 | 779.6 | 769.3 | 759.0 | 752.7 |
| 32.5° | 807.1 | 800.8 | 794.6 | 788.3 | 782.0 | 773.4 | 762.5 | 751.6 | 740.7 | 729.8 | 722.9 |
| 35° | 768.1 | 761.4 | 754.8 | 748.2 | 741.6 | 732.5 | 721.1 | 709.6 | 698.2 | 686.8 | 678.9 |
| 37.5° | 728.6 | 721.2 | 713.8 | 706.5 | 699.1 | 689.4 | 677.2 | 665.0 | 652.8 | 640.6 | 631.5 |
| 40° | 703.4 | 695.3 | 687.1 | 679.1 | 671.0 | 660.4 | 647.3 | 634.2 | 621.1 | 608.0 | 598.4 |
| 42.5° | 674.9 | 666.8 | 658.6 | 650.5 | 642.5 | 631.6 | 618.1 | 604.5 | 591.0 | 577.5 | 567.0 |
| 45° | 631.2 | 623.0 | 614.7 | 606.3 | 598.0 | 586.8 | 572.6 | 558.4 | 544.2 | 530.0 | 519.5 |
| 47.5° | 587.6 | 578.5 | 569.4 | 560.3 | 551.2 | 539.6 | 525.4 | 511.1 | 496.9 | 482.8 | 471.3 |
| 50° | 555.7 | 547.1 | 538.4 | 529.7 | 521.1 | 509.3 | 494.4 | 479.4 | 464.5 | 449.6 | 438.2 |
| 52.5° | 527.2 | 517.8 | 508.4 | 499.0 | 489.6 | 477.5 | 462.7 | 448.0 | 433.2 | 418.4 | 406.5 |
| 55° | 479.4 | 470.4 | 461.4 | 452.3 | 443.3 | 430.9 | 415.3 | 399.7 | 384.0 | 368.3 | 357.6 |
| 57.5° | 435.3 | 425.5 | 415.7 | 405.8 | 395.9 | 383.2 | 367.4 | 351.6 | 335.9 | 320.2 | 310.1 |
| 60° | 404.8 | 394.7 | 384.5 | 374.4 | 364.2 | 351.5 | 336.2 | 320.9 | 305.6 | 290.3 | 280.4 |
| 62.5° | 374.2 | 364.1 | 353.9 | 343.8 | 333.7 | 321.0 | 305.7 | 290.4 | 275.1 | 259.8 | 250.4 |
| 65° | 327.6 | 317.5 | 307.4 | 297.2 | 287.1 | 274.8 | 260.5 | 246.1 | 231.7 | 217.3 | 208.3 |
| 67.5° | 281.1 | 270.8 | 260.5 | 250.3 | 240.0 | 228.0 | 214.2 | 200.4 | 186.6 | 172.9 | 166.1 |
| 70° | 250.5 | 240.6 | 230.6 | 220.6 | 210.7 | 199.2 | 186.3 | 173.5 | 160.6 | 147.7 | 141.2 |
| 72.5° | 220.0 | 210.2 | 200.3 | 190.5 | 180.8 | 170.0 | 158.3 | 146.6 | 134.8 | 123.1 | 117.8 |
| 75° | 173.3 | 164.5 | 155.7 | 146.8 | 138.0 | 128.5 | 118.4 | 108.2 | 98.1 | 87.9 | 86.1 |
| 77.5° | 130.9 | 122.9 | 114.9 | 106.9 | 98.9 | 91.7 | 85.1 | 78.6 | 72.1 | 65.5 | 64.6 |
| 80° | 103.7 | 96.1 | 88.6 | 81.0 | 73.4 | 67.7 | 63.8 | 60.0 | 56.2 | 52.3 | 51.7 |
| 82.5° | 77.8 | 71.3 | 64.7 | 58.2 | 51.7 | 47.5 | 45.7 | 43.9 | 42.1 | 40.3 | 39.8 |
| 85° | 44.0 | 39.9 | 35.9 | 31.8 | 27.7 | 25.4 | 24.9 | 24.3 | 23.8 | 23.2 | 22.9 |
| 87.5° | 16.1 | 14.8 | 13.5 | 12.3 | 11.0 | 10.6 | 11.1 | 11.5 | 12.0 | 12.4 | 12.4 |
| 90° | 0.8 | 2.5 | 4.3 | 6.1 | 7.8 | 9.8 | 12.1 | 14.4 | 16.7 | 19.0 | 19.6 |
| 92.5° | 14.7 | 14.2 | 13.7 | 13.2 | 12.8 | 13.4 | 15.1 | 16.8 | 18.5 | 20.3 | 21.4 |
| 95° | 48.2 | 41.0 | 33.8 | 26.6 | 19.4 | 16.8 | 18.7 | 20.7 | 22.6 | 24.5 | 25.7 |
| 97.5° | 97.0 | 93.7 | 90.5 | 87.2 | 84.0 | 76.0 | 63.5 | 50.8 | 38.1 | 25.4 | 26.9 |
| 100° | 133.6 | 137.1 | 140.7 | 144.2 | 147.7 | 135.7 | 108.3 | 80.9 | 53.5 | 26.1 | 27.5 |
| 102.5° | 175.4 | 177.9 | 180.5 | 183.0 | 185.5 | 171.8 | 141.9 | 111.9 | 82.0 | 52.0 | 47.7 |
| 105° | 235.6 | 237.6 | 239.5 | 241.5 | 243.4 | 236.4 | 220.6 | 204.8 | 189.0 | 173.2 | 142.0 |
| 107.5° | 299.2 | 300.8 | 302.3 | 303.9 | 305.4 | 307.4 | 309.9 | 312.4 | 314.9 | 317.4 | 294.6 |
| 110° | 341.6 | 343.0 | 344.4 | 345.8 | 347.2 | 348.9 | 350.8 | 352.8 | 354.7 | 356.6 | 350.8 |



TEST NUMBER: P332321-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 382.1 | 383.3 | 384.6 | 385.9 | 387.1 | 388.7 | 390.7 | 392.6 | 394.5 | 396.5 | 396.6 |
| 115° | 442.0 | 443.1 | 444.1 | 445.2 | 446.2 | 447.6 | 449.1 | 450.7 | 452.3 | 453.8 | 455.7 |
| 117.5° | 500.0 | 501.4 | 502.6 | 504.0 | 505.3 | 506.3 | 507.1 | 507.9 | 508.7 | 509.5 | 511.0 |
| 120° | 536.1 | 537.7 | 539.2 | 540.8 | 542.4 | 543.5 | 544.0 | 544.5 | 545.1 | 545.6 | 547.0 |
| 122.5° | 572.8 | 574.1 | 575.4 | 576.7 | 578.0 | 579.0 | 579.6 | 580.4 | 581.0 | 581.6 | 582.7 |
| 125° | 623.1 | 624.5 | 625.9 | 627.3 | 628.7 | 629.8 | 630.5 | 631.1 | 631.8 | 632.6 | 633.0 |
| 127.5° | 671.8 | 673.2 | 674.6 | 676.0 | 677.4 | 678.5 | 679.4 | 680.2 | 681.0 | 681.9 | 682.5 |
| 130° | 702.2 | 703.5 | 705.0 | 706.4 | 707.8 | 708.8 | 709.6 | 710.3 | 710.9 | 711.6 | 712.3 |
| 132.5° | 731.3 | 732.7 | 734.0 | 735.5 | 736.9 | 737.8 | 738.4 | 738.9 | 739.6 | 740.1 | 740.8 |
| 135° | 775.7 | 776.7 | 777.8 | 778.9 | 779.9 | 780.8 | 781.5 | 782.2 | 782.9 | 783.6 | 784.1 |
| 137.5° | 813.7 | 815.0 | 816.3 | 817.7 | 819.0 | 819.8 | 820.2 | 820.6 | 821.0 | 821.4 | 822.2 |
| 140° | 838.9 | 840.0 | 841.1 | 842.1 | 843.2 | 844.0 | 844.5 | 845.0 | 845.6 | 846.1 | 846.8 |
| 142.5° | 862.4 | 863.4 | 864.4 | 865.5 | 866.6 | 867.4 | 867.9 | 868.4 | 868.9 | 869.5 | 870.1 |
| 145° | 895.1 | 896.4 | 897.5 | 898.8 | 900.0 | 900.8 | 901.2 | 901.5 | 901.8 | 902.2 | 902.5 |
| 147.5° | 925.9 | 926.8 | 927.6 | 928.4 | 929.2 | 929.7 | 930.1 | 930.4 | 930.8 | 931.1 | 931.5 |
| 150° | 944.9 | 945.5 | 945.9 | 946.5 | 947.0 | 947.5 | 947.8 | 948.2 | 948.5 | 948.9 | 949.2 |
| 152.5° | 961.9 | 962.3 | 962.5 | 962.7 | 963.0 | 963.2 | 963.4 | 963.6 | 963.8 | 964.0 | 964.6 |
| 155° | 986.0 | 985.6 | 985.3 | 985.0 | 984.6 | 984.5 | 984.7 | 984.8 | 985.1 | 985.2 | 986.1 |
| 157.5° | 1004.6 | 1004.6 | 1004.6 | 1004.6 | 1004.6 | 1004.4 | 1004.2 | 1004.1 | 1003.9 | 1003.7 | 1004.8 |
| 160° | 1016.1 | 1015.9 | 1015.7 | 1015.6 | 1015.3 | 1015.2 | 1015.0 | 1014.9 | 1014.6 | 1014.5 | 1015.6 |
| 162.5° | 1026.8 | 1026.4 | 1025.9 | 1025.5 | 1025.0 | 1024.7 | 1024.5 | 1024.3 | 1024.1 | 1024.0 | 1025.2 |
| 165° | 1039.8 | 1039.3 | 1038.7 | 1038.2 | 1037.7 | 1037.4 | 1037.1 | 1037.0 | 1036.8 | 1036.6 | 1038.0 |
| 167.5° | 1049.9 | 1049.2 | 1048.5 | 1047.8 | 1047.1 | 1046.7 | 1046.7 | 1046.7 | 1046.7 | 1046.7 | 1048.1 |
| 170° | 1055.6 | 1054.9 | 1054.2 | 1053.5 | 1052.8 | 1052.4 | 1052.4 | 1052.4 | 1052.4 | 1052.4 | 1053.8 |
| 172.5° | 1059.4 | 1058.6 | 1057.7 | 1056.9 | 1056.1 | 1055.7 | 1055.8 | 1056.0 | 1056.1 | 1056.2 | 1057.6 |
| 175° | 1064.3 | 1063.4 | 1062.6 | 1061.7 | 1060.8 | 1060.4 | 1060.6 | 1060.8 | 1061.0 | 1061.1 | 1062.4 |
| 177.5° | 1065.6 | 1064.9 | 1064.1 | 1063.4 | 1062.8 | 1062.5 | 1062.6 | 1062.8 | 1062.9 | 1063.0 | 1064.1 |
| 180° | 1064.3 | 1064.3 | 1064.3 | 1064.3 | 1064.3 | 1064.3 | 1064.3 | 1064.3 | 1064.3 | 1064.3 | 1064.3 |



TEST NUMBER: P332321-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 |
| 2.5° | 1018.7 | 1020.3 | 1021.9 | 1022.6 | 1022.3 | 1022.0 | 1021.7 | 1021.4 |
| 5° | 1011.9 | 1013.6 | 1015.3 | 1015.9 | 1015.6 | 1015.2 | 1014.8 | 1014.5 |
| 7.5° | 997.8 | 998.6 | 999.6 | 999.7 | 999.1 | 998.5 | 997.8 | 997.2 |
| 10° | 985.0 | 985.2 | 985.3 | 985.0 | 984.0 | 983.1 | 982.2 | 981.3 |
| 12.5° | 969.1 | 969.0 | 968.9 | 968.3 | 967.3 | 966.1 | 965.1 | 964.0 |
| 15° | 941.3 | 940.3 | 939.4 | 938.3 | 937.1 | 935.7 | 934.5 | 933.2 |
| 17.5° | 908.0 | 906.1 | 904.1 | 902.2 | 900.2 | 898.3 | 896.4 | 894.5 |
| 20° | 885.3 | 882.8 | 880.4 | 878.1 | 875.9 | 873.7 | 871.5 | 869.3 |
| 22.5° | 860.9 | 857.9 | 854.8 | 852.3 | 850.2 | 848.2 | 846.1 | 844.1 |
| 25° | 820.9 | 817.1 | 813.2 | 810.2 | 808.2 | 806.1 | 804.1 | 802.1 |
| 27.5° | 777.4 | 772.1 | 766.7 | 762.4 | 759.3 | 756.2 | 753.1 | 750.0 |
| 30° | 746.5 | 740.1 | 733.9 | 729.3 | 726.4 | 723.4 | 720.4 | 717.5 |
| 32.5° | 716.1 | 709.2 | 702.3 | 697.4 | 694.3 | 691.2 | 688.1 | 685.0 |
| 35° | 671.0 | 663.1 | 655.1 | 649.5 | 646.2 | 642.9 | 639.5 | 636.2 |
| 37.5° | 622.5 | 613.5 | 604.5 | 598.0 | 593.9 | 589.8 | 585.7 | 581.6 |
| 40° | 588.8 | 579.2 | 569.7 | 562.8 | 558.5 | 554.3 | 550.0 | 545.8 |
| 42.5° | 556.5 | 546.1 | 535.6 | 528.5 | 524.7 | 520.9 | 517.1 | 513.3 |
| 45° | 509.1 | 498.5 | 488.0 | 480.5 | 476.1 | 471.7 | 467.3 | 462.9 |
| 47.5° | 459.9 | 448.5 | 437.0 | 429.4 | 425.4 | 421.4 | 417.6 | 413.6 |
| 50° | 426.7 | 415.3 | 403.9 | 396.0 | 391.8 | 387.5 | 383.3 | 379.1 |
| 52.5° | 394.7 | 382.8 | 370.9 | 363.1 | 359.3 | 355.5 | 351.6 | 347.8 |
| 55° | 346.9 | 336.2 | 325.5 | 318.3 | 314.7 | 310.9 | 307.3 | 303.6 |
| 57.5° | 300.0 | 289.9 | 279.8 | 273.1 | 270.1 | 266.9 | 263.7 | 260.6 |
| 60° | 270.4 | 260.5 | 250.5 | 244.0 | 240.8 | 237.7 | 234.6 | 231.4 |
| 62.5° | 241.1 | 231.7 | 222.4 | 216.0 | 212.7 | 209.5 | 206.2 | 202.9 |
| 65° | 199.2 | 190.2 | 181.2 | 175.6 | 173.6 | 171.6 | 169.6 | 167.5 |
| 67.5° | 159.4 | 152.7 | 145.8 | 141.4 | 139.3 | 137.0 | 134.9 | 132.7 |
| 70° | 134.8 | 128.3 | 121.8 | 117.6 | 115.6 | 113.5 | 111.5 | 109.5 |
| 72.5° | 112.6 | 107.3 | 102.0 | 98.9 | 98.1 | 97.3 | 96.4 | 95.5 |
| 75° | 84.2 | 82.4 | 80.6 | 79.5 | 79.1 | 78.7 | 78.3 | 78.0 |
| 77.5° | 63.5 | 62.5 | 61.6 | 60.8 | 60.5 | 60.1 | 59.7 | 59.4 |
| 80° | 51.2 | 50.6 | 50.1 | 49.6 | 49.2 | 48.9 | 48.5 | 48.1 |
| 82.5° | 39.2 | 38.7 | 38.1 | 37.8 | 37.7 | 37.6 | 37.5 | 37.5 |
| 85° | 22.5 | 22.1 | 21.8 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 |
| 87.5° | 12.4 | 12.4 | 12.4 | 12.4 | 12.3 | 12.2 | 12.1 | 12.0 |
| 90° | 20.4 | 21.1 | 21.8 | 22.3 | 22.7 | 23.1 | 23.4 | 23.7 |
| 92.5° | 22.5 | 23.6 | 24.7 | 25.4 | 25.6 | 25.8 | 26.1 | 26.2 |
| 95° | 26.9 | 28.2 | 29.5 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| 97.5° | 28.3 | 29.7 | 31.1 | 31.8 | 32.1 | 32.2 | 32.4 | 32.6 |
| 100° | 28.9 | 30.3 | 31.7 | 32.5 | 32.7 | 32.9 | 33.0 | 33.2 |
| 102.5° | 43.3 | 39.0 | 34.6 | 32.6 | 32.9 | 33.2 | 33.5 | 33.8 |
| 105° | 111.0 | 79.9 | 48.8 | 33.4 | 33.7 | 34.1 | 34.5 | 34.8 |
| 107.5° | 271.8 | 249.0 | 226.2 | 203.0 | 179.6 | 156.1 | 132.7 | 109.2 |
| 110° | 345.0 | 339.2 | 333.4 | 318.0 | 292.8 | 267.7 | 242.6 | 217.5 |



TEST NUMBER: P332321-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 396.6 | 396.8 | 396.9 | 394.3 | 389.0 | 383.7 | 378.3 | 373.0 |
| 115° | 457.4 | 459.1 | 460.9 | 462.2 | 462.8 | 463.5 | 464.2 | 464.9 |
| 117.5° | 512.4 | 513.7 | 515.2 | 515.9 | 516.1 | 516.2 | 516.3 | 516.5 |
| 120° | 548.4 | 549.8 | 551.2 | 551.9 | 551.9 | 551.9 | 551.9 | 551.9 |
| 122.5° | 583.6 | 584.6 | 585.6 | 586.1 | 586.3 | 586.5 | 586.5 | 586.7 |
| 125° | 633.3 | 633.6 | 634.0 | 634.3 | 634.7 | 635.0 | 635.4 | 635.7 |
| 127.5° | 683.0 | 683.6 | 684.1 | 684.3 | 683.9 | 683.6 | 683.2 | 682.9 |
| 130° | 713.0 | 713.8 | 714.5 | 714.6 | 714.3 | 713.9 | 713.6 | 713.2 |
| 132.5° | 741.5 | 742.2 | 742.9 | 743.0 | 742.5 | 742.0 | 741.6 | 741.1 |
| 135° | 784.7 | 785.2 | 785.7 | 785.7 | 785.2 | 784.7 | 784.1 | 783.6 |
| 137.5° | 823.1 | 823.9 | 824.7 | 825.0 | 824.7 | 824.3 | 823.9 | 823.6 |
| 140° | 847.5 | 848.2 | 848.9 | 849.1 | 848.7 | 848.3 | 848.0 | 847.6 |
| 142.5° | 870.6 | 871.2 | 871.7 | 871.7 | 871.2 | 870.8 | 870.3 | 869.8 |
| 145° | 902.9 | 903.2 | 903.6 | 903.8 | 903.8 | 903.8 | 903.8 | 903.8 |
| 147.5° | 931.8 | 932.2 | 932.6 | 932.3 | 931.5 | 930.7 | 929.9 | 929.1 |
| 150° | 949.6 | 949.9 | 950.3 | 950.1 | 949.7 | 949.1 | 948.6 | 948.1 |
| 152.5° | 965.3 | 965.9 | 966.5 | 966.5 | 965.7 | 964.9 | 964.1 | 963.2 |
| 155° | 987.0 | 987.9 | 988.7 | 988.6 | 987.6 | 986.6 | 985.5 | 984.4 |
| 157.5° | 1005.8 | 1006.9 | 1008.0 | 1007.8 | 1006.4 | 1005.0 | 1003.7 | 1002.3 |
| 160° | 1016.6 | 1017.6 | 1018.7 | 1018.6 | 1017.4 | 1016.1 | 1014.9 | 1013.7 |
| 162.5° | 1026.4 | 1027.5 | 1028.7 | 1028.8 | 1027.7 | 1026.6 | 1025.6 | 1024.5 |
| 165° | 1039.4 | 1040.8 | 1042.3 | 1042.4 | 1041.1 | 1039.9 | 1038.6 | 1037.4 |
| 167.5° | 1049.6 | 1051.0 | 1052.3 | 1052.3 | 1051.0 | 1049.6 | 1048.1 | 1046.7 |
| 170° | 1055.3 | 1056.7 | 1058.0 | 1058.0 | 1056.7 | 1055.3 | 1053.8 | 1052.4 |
| 172.5° | 1059.1 | 1060.4 | 1061.8 | 1061.8 | 1060.3 | 1058.7 | 1057.2 | 1055.6 |
| 175° | 1063.6 | 1064.9 | 1066.0 | 1066.0 | 1064.5 | 1063.2 | 1061.8 | 1060.3 |
| 177.5° | 1065.2 | 1066.4 | 1067.5 | 1067.4 | 1066.0 | 1064.6 | 1063.2 | 1061.8 |
| 180° | 1064.3 | 1064.3 | 1064.3 | 1064.3 | 1064.3 | 1064.3 | 1064.3 | 1064.3 |

(END OF REPORT)