

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: P332315-927

Luminaire Tested: **S123RDIP-S775D805U927-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332315-927
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-S775D805U927-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4854.9 lumens
Efficiency: N/A
Efficacy: 105.8 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

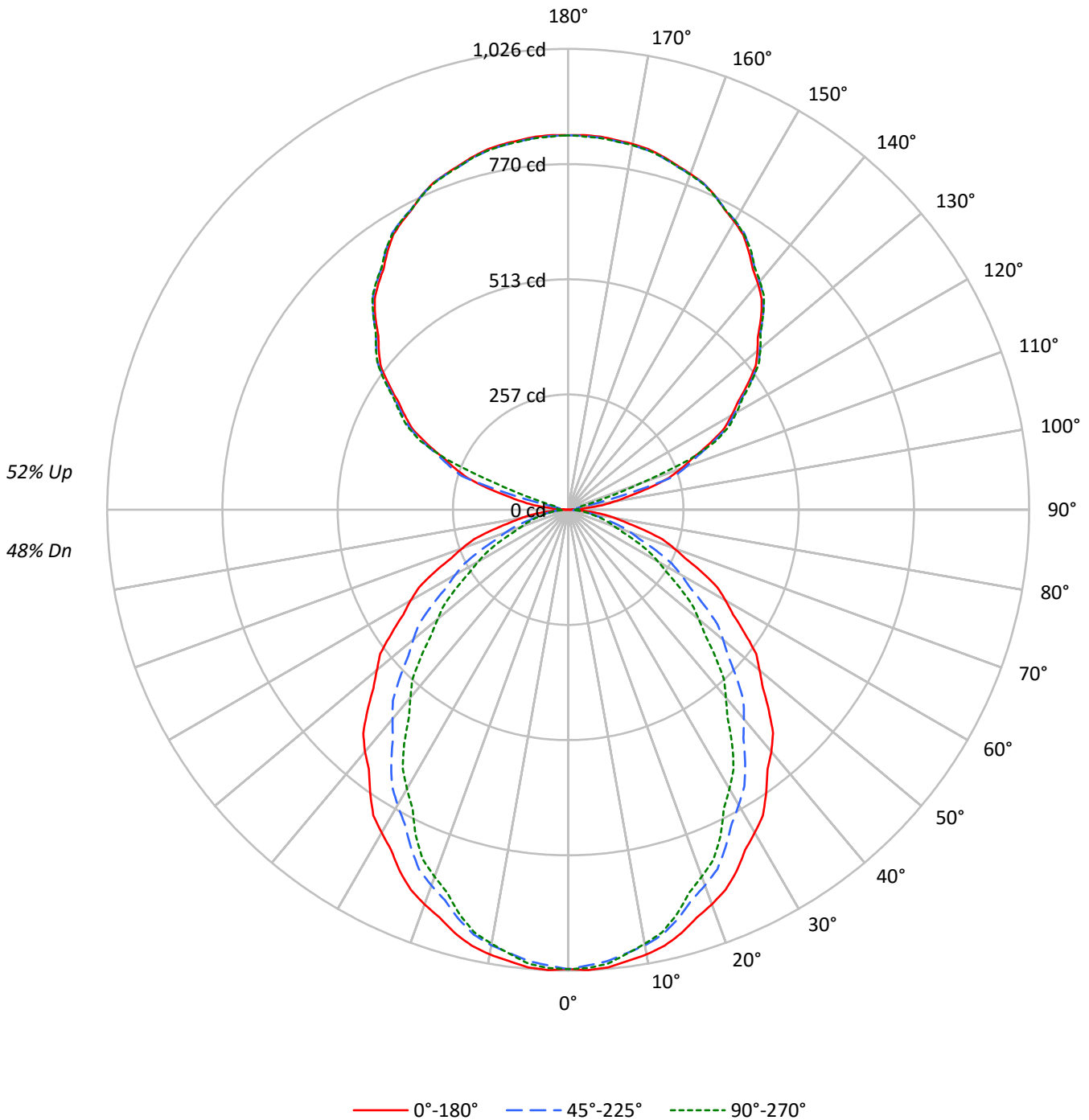
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332315-927

CATALOG NUMBER: S123RDIP-S775D805U927-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332315-927

CATALOG NUMBER: S123RDIP-S775D805U927-4F0-1E-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 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 67 | 67 | 67 | 54 | 54 | 54 | 48 |
| 1 | 98 | 93 | 90 | 86 | 90 | 86 | 83 | 80 | 72 | 70 | 68 | 60 | 58 | 57 | 48 | 47 | 46 | 41 |
| 2 | 89 | 82 | 76 | 71 | 82 | 76 | 70 | 66 | 64 | 60 | 57 | 53 | 50 | 48 | 43 | 41 | 39 | 35 |
| 3 | 81 | 72 | 65 | 59 | 75 | 67 | 61 | 56 | 56 | 52 | 48 | 47 | 44 | 41 | 38 | 36 | 34 | 30 |
| 4 | 75 | 64 | 56 | 50 | 68 | 59 | 53 | 47 | 50 | 45 | 41 | 42 | 38 | 35 | 34 | 32 | 29 | 26 |
| 5 | 69 | 57 | 49 | 43 | 63 | 53 | 46 | 41 | 45 | 40 | 36 | 38 | 34 | 31 | 31 | 28 | 26 | 22 |
| 6 | 63 | 51 | 43 | 38 | 58 | 48 | 41 | 36 | 41 | 35 | 31 | 34 | 30 | 27 | 28 | 25 | 23 | 20 |
| 7 | 59 | 46 | 39 | 33 | 54 | 43 | 36 | 31 | 37 | 32 | 28 | 31 | 27 | 24 | 26 | 23 | 20 | 18 |
| 8 | 54 | 42 | 35 | 29 | 50 | 39 | 33 | 28 | 34 | 28 | 25 | 29 | 24 | 21 | 24 | 21 | 18 | 16 |
| 9 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 25 | 31 | 26 | 22 | 26 | 22 | 19 | 22 | 19 | 17 | 14 |
| 10 | 47 | 35 | 28 | 24 | 44 | 33 | 27 | 22 | 29 | 23 | 20 | 24 | 20 | 18 | 20 | 17 | 15 | 13 |

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: P332315-927

CATALOG NUMBER: S123RDIP-S775D805U927-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 96.0 | 2.0 |
| 10°-20° | 267.2 | 5.5 |
| 20°-30° | 384.8 | 7.9 |
| 30°-40° | 433.4 | 8.9 |
| 40°-50° | 414.6 | 8.5 |
| 50°-60° | 339.6 | 7.0 |
| 60°-70° | 229.1 | 4.7 |
| 70°-80° | 115.3 | 2.4 |
| 80°-90° | 32.8 | 0.7 |
| 90°-100° | 30.3 | 0.6 |
| 100°-110° | 144.4 | 3.0 |
| 110°-120° | 347.0 | 7.1 |
| 120°-130° | 441.8 | 9.1 |
| 130°-140° | 472.1 | 9.7 |
| 140°-150° | 441.4 | 9.1 |
| 150°-160° | 356.1 | 7.3 |
| 160°-170° | 229.8 | 4.7 |
| 170°-180° | 79.2 | 1.6 |
| 0°-30° | 748.0 | 15.4 |
| 0°-40° | 1181.5 | 24.3 |
| 0°-60° | 1935.6 | 39.9 |
| 0°-90° | 2312.8 | 47.6 |
| 90°-120° | 521.7 | 10.7 |
| 90°-150° | 1877.0 | 38.7 |
| 90°-180° | 2542.0 | 52.4 |
| 0°-180° | 4854.9 | 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 | 7 | 15 | 17 | 19 | 4 |
| 95° | 38 | 14 | 19 | 23 | 24 | 47 |
| 105° | 185 | 188 | 136 | 32 | 27 | 196 |
| 115° | 346 | 350 | 356 | 361 | 364 | 342 |
| 125° | 488 | 493 | 495 | 497 | 498 | 436 |
| 135° | 608 | 611 | 614 | 615 | 614 | 468 |
| 145° | 701 | 705 | 707 | 708 | 708 | 439 |
| 155° | 772 | 771 | 772 | 774 | 771 | 356 |
| 165° | 814 | 813 | 812 | 816 | 812 | 230 |
| 175° | 834 | 831 | 831 | 835 | 830 | 79 |
| 180° | 834 | 834 | 834 | 834 | 834 | |



TEST NUMBER: P332315-927

CATALOG NUMBER: S123RDIP-S775D805U927-4F0-1E-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 | 14.7 | 13.4 | 12.0 | 10.7 | 10.1 | 10.5 | 10.9 | 11.2 | 11.6 | 11.6 |
| 90° | 0.6 | 2.0 | 3.4 | 4.8 | 6.1 | 7.7 | 9.5 | 11.2 | 13.1 | 14.9 | 15.4 |
| 92.5° | 11.5 | 11.2 | 10.8 | 10.4 | 10.0 | 10.5 | 11.8 | 13.2 | 14.5 | 15.8 | 16.7 |
| 95° | 37.8 | 32.2 | 26.5 | 20.8 | 15.2 | 13.2 | 14.7 | 16.2 | 17.7 | 19.2 | 20.2 |
| 97.5° | 75.9 | 73.4 | 70.9 | 68.4 | 65.8 | 59.6 | 49.7 | 39.8 | 29.9 | 20.0 | 21.1 |
| 100° | 104.6 | 107.4 | 110.2 | 112.9 | 115.7 | 106.3 | 84.8 | 63.4 | 41.9 | 20.4 | 21.5 |
| 102.5° | 137.4 | 139.3 | 141.3 | 143.3 | 145.3 | 134.6 | 111.1 | 87.6 | 64.2 | 40.7 | 37.3 |
| 105° | 184.6 | 186.1 | 187.6 | 189.1 | 190.6 | 185.2 | 172.8 | 160.4 | 148.0 | 135.6 | 111.3 |
| 107.5° | 234.3 | 235.6 | 236.8 | 238.0 | 239.2 | 240.7 | 242.7 | 244.7 | 246.6 | 248.6 | 230.8 |
| 110° | 267.5 | 268.6 | 269.7 | 270.8 | 272.0 | 273.2 | 274.8 | 276.3 | 277.8 | 279.3 | 274.8 |



TEST NUMBER: P332315-927

CATALOG NUMBER: S123RDIP-S775D805U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 299.3 | 300.2 | 301.3 | 302.2 | 303.2 | 304.4 | 306.0 | 307.5 | 309.0 | 310.5 | 310.6 |
| 115° | 346.2 | 347.1 | 347.8 | 348.7 | 349.5 | 350.5 | 351.8 | 353.0 | 354.3 | 355.5 | 356.9 |
| 117.5° | 391.7 | 392.7 | 393.7 | 394.7 | 395.7 | 396.6 | 397.2 | 397.8 | 398.5 | 399.1 | 400.2 |
| 120° | 419.9 | 421.1 | 422.4 | 423.6 | 424.8 | 425.7 | 426.1 | 426.5 | 426.9 | 427.3 | 428.4 |
| 122.5° | 448.6 | 449.6 | 450.7 | 451.7 | 452.7 | 453.4 | 454.0 | 454.6 | 455.0 | 455.6 | 456.4 |
| 125° | 488.1 | 489.1 | 490.2 | 491.3 | 492.4 | 493.3 | 493.8 | 494.3 | 494.9 | 495.4 | 495.7 |
| 127.5° | 526.2 | 527.3 | 528.4 | 529.5 | 530.6 | 531.5 | 532.1 | 532.8 | 533.5 | 534.1 | 534.6 |
| 130° | 549.9 | 551.0 | 552.2 | 553.3 | 554.4 | 555.2 | 555.7 | 556.3 | 556.8 | 557.4 | 557.9 |
| 132.5° | 572.7 | 573.9 | 575.0 | 576.1 | 577.2 | 577.9 | 578.4 | 578.8 | 579.2 | 579.7 | 580.3 |
| 135° | 607.5 | 608.4 | 609.2 | 610.1 | 610.9 | 611.6 | 612.1 | 612.7 | 613.2 | 613.8 | 614.2 |
| 137.5° | 637.3 | 638.3 | 639.4 | 640.4 | 641.4 | 642.1 | 642.5 | 642.8 | 643.0 | 643.3 | 644.0 |
| 140° | 657.1 | 657.9 | 658.8 | 659.6 | 660.4 | 661.0 | 661.5 | 661.9 | 662.3 | 662.7 | 663.2 |
| 142.5° | 675.4 | 676.3 | 677.1 | 677.9 | 678.7 | 679.4 | 679.8 | 680.2 | 680.6 | 681.0 | 681.4 |
| 145° | 701.1 | 702.0 | 703.0 | 703.9 | 705.0 | 705.5 | 705.8 | 706.1 | 706.4 | 706.6 | 706.9 |
| 147.5° | 725.2 | 725.9 | 726.5 | 727.1 | 727.8 | 728.3 | 728.5 | 728.7 | 729.0 | 729.3 | 729.6 |
| 150° | 740.1 | 740.5 | 740.9 | 741.3 | 741.7 | 742.1 | 742.4 | 742.7 | 742.9 | 743.2 | 743.5 |
| 152.5° | 753.4 | 753.7 | 753.8 | 754.1 | 754.2 | 754.4 | 754.6 | 754.7 | 754.9 | 755.1 | 755.6 |
| 155° | 772.3 | 772.1 | 771.7 | 771.5 | 771.2 | 771.1 | 771.3 | 771.4 | 771.5 | 771.7 | 772.4 |
| 157.5° | 786.9 | 786.9 | 786.9 | 786.8 | 786.8 | 786.7 | 786.6 | 786.5 | 786.3 | 786.2 | 787.0 |
| 160° | 795.8 | 795.7 | 795.6 | 795.4 | 795.3 | 795.1 | 795.0 | 794.9 | 794.7 | 794.6 | 795.4 |
| 162.5° | 804.2 | 803.9 | 803.5 | 803.2 | 802.8 | 802.6 | 802.4 | 802.3 | 802.2 | 802.0 | 803.0 |
| 165° | 814.4 | 814.0 | 813.6 | 813.2 | 812.8 | 812.5 | 812.4 | 812.2 | 812.1 | 811.9 | 813.0 |
| 167.5° | 822.4 | 821.8 | 821.3 | 820.7 | 820.1 | 819.8 | 819.8 | 819.8 | 819.8 | 819.8 | 820.9 |
| 170° | 826.8 | 826.2 | 825.7 | 825.1 | 824.6 | 824.3 | 824.3 | 824.3 | 824.3 | 824.3 | 825.5 |
| 172.5° | 829.7 | 829.1 | 828.5 | 827.8 | 827.1 | 826.9 | 827.0 | 827.0 | 827.2 | 827.3 | 828.4 |
| 175° | 833.6 | 832.9 | 832.3 | 831.6 | 830.8 | 830.6 | 830.7 | 830.8 | 831.0 | 831.2 | 832.1 |
| 177.5° | 834.6 | 834.1 | 833.5 | 833.0 | 832.4 | 832.2 | 832.3 | 832.4 | 832.5 | 832.6 | 833.5 |
| 180° | 833.6 | 833.6 | 833.6 | 833.6 | 833.6 | 833.6 | 833.6 | 833.6 | 833.6 | 833.6 | 833.6 |



TEST NUMBER: P332315-927

CATALOG NUMBER: S123RDIP-S775D805U927-4F0-1E-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° | 11.5 | 11.5 | 11.5 | 11.4 | 11.3 | 11.2 | 11.1 | 11.0 |
| 90° | 16.0 | 16.5 | 17.0 | 17.5 | 17.7 | 18.1 | 18.3 | 18.6 |
| 92.5° | 17.6 | 18.5 | 19.4 | 19.9 | 20.0 | 20.2 | 20.4 | 20.6 |
| 95° | 21.2 | 22.1 | 23.1 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 |
| 97.5° | 22.2 | 23.2 | 24.3 | 25.0 | 25.1 | 25.3 | 25.3 | 25.5 |
| 100° | 22.7 | 23.8 | 24.9 | 25.4 | 25.6 | 25.7 | 25.9 | 26.0 |
| 102.5° | 33.9 | 30.5 | 27.1 | 25.5 | 25.7 | 26.0 | 26.2 | 26.5 |
| 105° | 86.9 | 62.6 | 38.2 | 26.1 | 26.5 | 26.7 | 27.0 | 27.3 |
| 107.5° | 212.9 | 195.0 | 177.1 | 159.0 | 140.7 | 122.3 | 103.9 | 85.6 |
| 110° | 270.2 | 265.7 | 261.2 | 249.1 | 229.3 | 209.7 | 190.0 | 170.3 |



TEST NUMBER: P332315-927

CATALOG NUMBER: S123RDIP-S775D805U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 310.7 | 310.8 | 310.9 | 308.8 | 304.7 | 300.5 | 296.4 | 292.2 |
| 115° | 358.2 | 359.7 | 361.0 | 361.9 | 362.5 | 363.1 | 363.6 | 364.2 |
| 117.5° | 401.3 | 402.4 | 403.5 | 404.1 | 404.3 | 404.3 | 404.4 | 404.6 |
| 120° | 429.5 | 430.6 | 431.7 | 432.3 | 432.3 | 432.3 | 432.3 | 432.3 |
| 122.5° | 457.1 | 457.9 | 458.7 | 459.1 | 459.2 | 459.3 | 459.5 | 459.5 |
| 125° | 496.0 | 496.3 | 496.5 | 496.9 | 497.1 | 497.4 | 497.6 | 498.0 |
| 127.5° | 535.0 | 535.4 | 535.8 | 535.9 | 535.7 | 535.4 | 535.1 | 534.9 |
| 130° | 558.5 | 559.0 | 559.6 | 559.8 | 559.4 | 559.2 | 558.9 | 558.6 |
| 132.5° | 580.7 | 581.3 | 581.9 | 581.9 | 581.6 | 581.2 | 580.8 | 580.4 |
| 135° | 614.6 | 615.0 | 615.4 | 615.4 | 615.0 | 614.6 | 614.2 | 613.8 |
| 137.5° | 644.7 | 645.3 | 646.0 | 646.2 | 645.9 | 645.6 | 645.4 | 645.1 |
| 140° | 663.8 | 664.3 | 664.9 | 665.0 | 664.7 | 664.5 | 664.2 | 663.9 |
| 142.5° | 681.9 | 682.3 | 682.8 | 682.8 | 682.4 | 682.0 | 681.7 | 681.3 |
| 145° | 707.2 | 707.5 | 707.7 | 707.9 | 707.9 | 707.9 | 707.9 | 707.9 |
| 147.5° | 729.8 | 730.2 | 730.4 | 730.2 | 729.6 | 729.0 | 728.3 | 727.7 |
| 150° | 743.7 | 744.0 | 744.3 | 744.3 | 743.8 | 743.4 | 743.0 | 742.6 |
| 152.5° | 756.1 | 756.5 | 757.1 | 757.0 | 756.4 | 755.7 | 755.1 | 754.5 |
| 155° | 773.1 | 773.7 | 774.4 | 774.4 | 773.6 | 772.7 | 771.9 | 771.0 |
| 157.5° | 787.8 | 788.6 | 789.5 | 789.3 | 788.3 | 787.2 | 786.2 | 785.1 |
| 160° | 796.2 | 797.1 | 797.9 | 797.8 | 796.9 | 795.9 | 795.0 | 794.0 |
| 162.5° | 803.9 | 804.9 | 805.7 | 805.8 | 804.9 | 804.1 | 803.3 | 802.4 |
| 165° | 814.1 | 815.2 | 816.3 | 816.4 | 815.5 | 814.4 | 813.5 | 812.5 |
| 167.5° | 822.0 | 823.2 | 824.3 | 824.3 | 823.2 | 822.0 | 820.9 | 819.8 |
| 170° | 826.5 | 827.6 | 828.7 | 828.7 | 827.6 | 826.5 | 825.5 | 824.3 |
| 172.5° | 829.5 | 830.6 | 831.7 | 831.6 | 830.4 | 829.3 | 828.0 | 826.8 |
| 175° | 833.1 | 834.0 | 835.0 | 834.9 | 833.9 | 832.7 | 831.6 | 830.5 |
| 177.5° | 834.4 | 835.3 | 836.1 | 836.1 | 835.0 | 833.9 | 832.7 | 831.6 |
| 180° | 833.6 | 833.6 | 833.6 | 833.6 | 833.6 | 833.6 | 833.6 | 833.6 |

(END OF REPORT)