

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: P332622-930

Luminaire Tested: **S124DIP-S795D1205U930-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332622-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S795D1205U930-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6698.9 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: General Diffuse

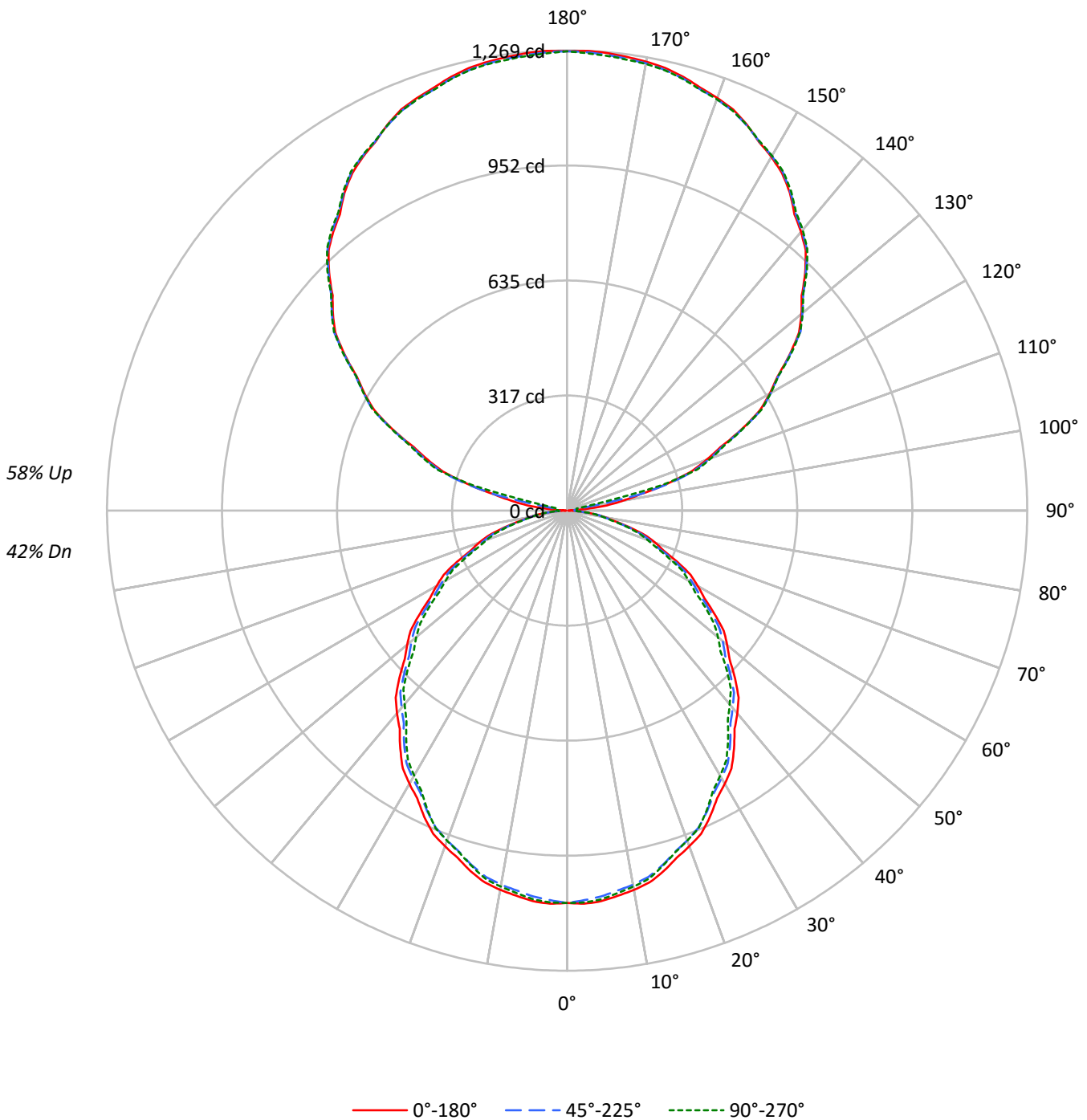
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332622-930

CATALOG NUMBER: S124DIP-S795D1205U930-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332622-930

CATALOG NUMBER: S124DIP-S795D1205U930-4F0-1E-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 | 84 | 87 | 84 | 80 | 77 | 69 | 66 | 64 | 55 | 54 | 52 | 43 | 42 | 41 | 35 |
| 2 | 87 | 80 | 74 | 69 | 79 | 73 | 68 | 63 | 60 | 57 | 53 | 48 | 46 | 44 | 37 | 36 | 34 | 29 |
| 3 | 80 | 70 | 63 | 57 | 72 | 64 | 58 | 53 | 53 | 49 | 45 | 43 | 40 | 37 | 33 | 31 | 29 | 25 |
| 4 | 73 | 62 | 54 | 48 | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 34 | 32 | 30 | 27 | 25 | 21 |
| 5 | 67 | 55 | 47 | 41 | 61 | 51 | 44 | 38 | 42 | 37 | 33 | 34 | 30 | 27 | 27 | 24 | 22 | 18 |
| 6 | 61 | 50 | 42 | 36 | 56 | 46 | 38 | 33 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 21 | 19 | 16 |
| 7 | 57 | 45 | 37 | 31 | 52 | 41 | 34 | 29 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 14 |
| 8 | 53 | 40 | 33 | 28 | 48 | 37 | 31 | 26 | 31 | 26 | 22 | 26 | 22 | 19 | 20 | 17 | 15 | 13 |
| 9 | 49 | 37 | 30 | 25 | 45 | 34 | 27 | 23 | 29 | 23 | 20 | 24 | 20 | 17 | 19 | 16 | 14 | 12 |
| 10 | 46 | 34 | 27 | 22 | 42 | 31 | 25 | 21 | 26 | 21 | 18 | 22 | 18 | 15 | 17 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8737 | 8737 | 8737 |
| 5° | 8763 | 8658 | 8721 |
| 10° | 8708 | 8588 | 8630 |
| 15° | 8603 | 8466 | 8487 |
| 20° | 8463 | 8314 | 8322 |
| 25° | 8304 | 8141 | 8118 |
| 30° | 8108 | 7938 | 7866 |
| 35° | 7906 | 7727 | 7624 |
| 40° | 7695 | 7484 | 7347 |
| 45° | 7476 | 7247 | 7108 |
| 50° | 7232 | 7036 | 6818 |
| 55° | 6970 | 6763 | 6542 |
| 60° | 6707 | 6455 | 6260 |
| 65° | 6411 | 6162 | 5914 |
| 70° | 6080 | 5773 | 5549 |
| 75° | 5571 | 5303 | 5168 |
| 80° | 4956 | 4756 | 4635 |
| 85° | 4335 | 4177 | 4094 |



TEST NUMBER: P332622-930

CATALOG NUMBER: S124DIP-S795D1205U930-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 101.9 | 1.5 |
| 10°-20° | 287.2 | 4.3 |
| 20°-30° | 422.7 | 6.3 |
| 30°-40° | 491.4 | 7.3 |
| 40°-50° | 491.4 | 7.3 |
| 50°-60° | 429.8 | 6.4 |
| 60°-70° | 319.2 | 4.8 |
| 70°-80° | 181.4 | 2.7 |
| 80°-90° | 56.0 | 0.8 |
| 90°-100° | 43.3 | 0.6 |
| 100°-110° | 276.2 | 4.1 |
| 110°-120° | 528.4 | 7.9 |
| 120°-130° | 670.8 | 10.0 |
| 130°-140° | 717.7 | 10.7 |
| 140°-150° | 671.1 | 10.0 |
| 150°-160° | 541.2 | 8.1 |
| 160°-170° | 349.1 | 5.2 |
| 170°-180° | 120.3 | 1.8 |
| 0°-30° | 811.8 | 12.1 |
| 0°-40° | 1303.1 | 19.5 |
| 0°-60° | 2224.4 | 33.2 |
| 0°-90° | 2780.9 | 41.5 |
| 90°-120° | 847.9 | 12.7 |
| 90°-150° | 2907.4 | 43.4 |
| 90°-180° | 3918.0 | 58.5 |
| 0°-180° | 6698.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1082 | 1082 | 1082 | 1082 | 1082 | |
| 5° | 1081 | 1078 | 1068 | 1077 | 1076 | 103 |
| 15° | 1029 | 1025 | 1013 | 1018 | 1016 | 290 |
| 25° | 932 | 926 | 914 | 915 | 911 | 429 |
| 35° | 802 | 796 | 784 | 778 | 774 | 501 |
| 45° | 655 | 648 | 635 | 626 | 623 | 505 |
| 55° | 495 | 492 | 480 | 470 | 465 | 443 |
| 65° | 336 | 331 | 323 | 314 | 310 | 332 |
| 75° | 179 | 174 | 170 | 167 | 166 | 190 |
| 85° | 47 | 47 | 45 | 45 | 44 | 52 |
| 90° | 3 | 13 | 21 | 26 | 28 | 5 |
| 95° | 52 | 22 | 21 | 26 | 28 | 67 |
| 105° | 285 | 291 | 296 | 302 | 270 | 298 |
| 115° | 532 | 535 | 534 | 536 | 536 | 524 |
| 125° | 748 | 752 | 750 | 753 | 754 | 668 |
| 135° | 928 | 928 | 931 | 933 | 935 | 715 |
| 145° | 1070 | 1073 | 1073 | 1074 | 1076 | 669 |
| 155° | 1174 | 1174 | 1172 | 1175 | 1173 | 541 |
| 165° | 1238 | 1234 | 1234 | 1240 | 1232 | 350 |
| 175° | 1267 | 1261 | 1262 | 1269 | 1259 | 121 |
| 180° | 1267 | 1267 | 1267 | 1267 | 1267 | |



TEST NUMBER: P332622-930

CATALOG NUMBER: S124DIP-S795D1205U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 |
| 2.5° | 1085.1 | 1084.6 | 1084.1 | 1083.7 | 1083.2 | 1082.1 | 1080.4 | 1078.7 | 1077.0 | 1075.4 | 1076.8 |
| 5° | 1081.4 | 1080.7 | 1079.9 | 1079.1 | 1078.3 | 1076.8 | 1074.7 | 1072.6 | 1070.5 | 1068.4 | 1070.5 |
| 7.5° | 1071.4 | 1070.6 | 1069.8 | 1069.0 | 1068.3 | 1066.7 | 1064.4 | 1062.0 | 1059.6 | 1057.3 | 1059.0 |
| 10° | 1062.3 | 1061.6 | 1060.8 | 1060.1 | 1059.2 | 1057.6 | 1055.1 | 1052.6 | 1050.1 | 1047.6 | 1049.1 |
| 12.5° | 1050.5 | 1049.8 | 1049.0 | 1048.2 | 1047.5 | 1045.7 | 1043.1 | 1040.4 | 1037.8 | 1035.1 | 1036.8 |
| 15° | 1029.4 | 1028.6 | 1027.8 | 1027.0 | 1026.3 | 1024.5 | 1021.6 | 1018.7 | 1015.8 | 1012.9 | 1014.1 |
| 17.5° | 1003.9 | 1002.9 | 1001.9 | 1001.0 | 1000.0 | 998.2 | 995.5 | 992.7 | 989.9 | 987.2 | 988.0 |
| 20° | 985.1 | 984.1 | 983.3 | 982.3 | 981.3 | 979.3 | 976.5 | 973.5 | 970.7 | 967.8 | 968.4 |
| 22.5° | 965.1 | 963.8 | 962.5 | 961.2 | 959.9 | 957.9 | 955.0 | 952.1 | 949.2 | 946.3 | 947.4 |
| 25° | 932.2 | 930.9 | 929.5 | 928.2 | 926.8 | 924.8 | 922.1 | 919.4 | 916.7 | 914.0 | 914.2 |
| 27.5° | 894.8 | 893.4 | 892.0 | 890.6 | 889.2 | 887.3 | 884.8 | 882.3 | 879.8 | 877.3 | 876.8 |
| 30° | 869.8 | 868.3 | 866.7 | 865.2 | 863.6 | 861.6 | 859.1 | 856.6 | 854.1 | 851.6 | 850.8 |
| 32.5° | 843.4 | 842.0 | 840.7 | 839.3 | 837.9 | 835.8 | 833.2 | 830.5 | 827.9 | 825.2 | 824.3 |
| 35° | 802.2 | 800.8 | 799.5 | 798.1 | 796.8 | 794.8 | 792.1 | 789.4 | 786.7 | 784.0 | 782.6 |
| 37.5° | 758.6 | 757.4 | 756.2 | 755.0 | 753.7 | 751.6 | 748.8 | 745.8 | 743.0 | 740.0 | 738.6 |
| 40° | 730.2 | 728.6 | 727.1 | 725.5 | 724.0 | 721.8 | 718.9 | 716.0 | 713.1 | 710.2 | 708.3 |
| 42.5° | 699.7 | 698.7 | 697.8 | 696.9 | 695.9 | 693.9 | 690.7 | 687.5 | 684.3 | 681.1 | 678.9 |
| 45° | 654.8 | 653.4 | 652.1 | 650.7 | 649.4 | 647.1 | 644.1 | 641.0 | 637.9 | 634.8 | 632.7 |
| 47.5° | 607.7 | 606.8 | 605.9 | 605.0 | 604.1 | 602.2 | 599.3 | 596.5 | 593.6 | 590.8 | 588.3 |
| 50° | 575.8 | 575.0 | 574.3 | 573.5 | 572.7 | 571.0 | 568.3 | 565.7 | 562.9 | 560.2 | 557.5 |
| 52.5° | 544.6 | 543.7 | 542.7 | 541.8 | 540.9 | 539.0 | 536.1 | 533.3 | 530.4 | 527.6 | 525.2 |
| 55° | 495.2 | 494.6 | 494.0 | 493.4 | 492.8 | 491.2 | 488.5 | 485.8 | 483.1 | 480.5 | 478.1 |
| 57.5° | 448.0 | 447.4 | 446.7 | 446.1 | 445.4 | 443.7 | 441.1 | 438.4 | 435.8 | 433.1 | 430.9 |
| 60° | 415.4 | 414.4 | 413.4 | 412.5 | 411.6 | 409.8 | 407.3 | 404.8 | 402.3 | 399.8 | 398.0 |
| 62.5° | 383.5 | 382.7 | 381.9 | 381.1 | 380.3 | 378.5 | 375.9 | 373.2 | 370.6 | 367.9 | 366.3 |
| 65° | 335.6 | 334.7 | 333.7 | 332.7 | 331.7 | 330.3 | 328.4 | 326.4 | 324.5 | 322.6 | 320.7 |
| 67.5° | 287.4 | 286.5 | 285.6 | 284.7 | 283.9 | 282.5 | 280.6 | 278.8 | 277.0 | 275.1 | 273.2 |
| 70° | 257.6 | 256.2 | 254.9 | 253.5 | 252.2 | 250.7 | 249.2 | 247.6 | 246.1 | 244.6 | 243.0 |
| 72.5° | 225.7 | 224.3 | 223.0 | 221.6 | 220.2 | 219.0 | 217.8 | 216.5 | 215.2 | 214.0 | 212.8 |
| 75° | 178.6 | 177.7 | 176.8 | 175.8 | 174.8 | 173.8 | 172.8 | 171.9 | 171.0 | 170.0 | 169.2 |
| 77.5° | 133.7 | 133.3 | 132.9 | 132.5 | 132.0 | 131.4 | 130.5 | 129.7 | 128.8 | 128.0 | 127.8 |
| 80° | 106.6 | 106.1 | 105.5 | 104.9 | 104.4 | 103.9 | 103.5 | 103.1 | 102.7 | 102.3 | 101.9 |
| 82.5° | 80.3 | 80.1 | 79.7 | 79.5 | 79.2 | 79.1 | 79.0 | 78.9 | 78.8 | 78.8 | 78.5 |
| 85° | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.6 | 46.2 | 45.9 | 45.5 | 45.1 | 45.1 |
| 87.5° | 18.6 | 18.9 | 19.2 | 19.6 | 19.8 | 20.1 | 20.3 | 20.5 | 20.6 | 20.8 | 21.0 |
| 90° | 2.9 | 5.1 | 7.5 | 9.8 | 12.1 | 14.1 | 15.8 | 17.4 | 19.2 | 20.9 | 22.1 |
| 92.5° | 11.9 | 12.1 | 12.2 | 12.3 | 12.5 | 13.4 | 15.0 | 16.7 | 18.4 | 20.1 | 21.4 |
| 95° | 52.1 | 44.9 | 37.7 | 30.7 | 23.5 | 20.0 | 20.2 | 20.4 | 20.6 | 20.9 | 22.1 |
| 97.5° | 110.6 | 115.1 | 119.6 | 124.0 | 128.5 | 119.0 | 95.5 | 72.0 | 48.5 | 25.0 | 25.1 |
| 100° | 155.4 | 159.1 | 163.0 | 166.7 | 170.6 | 157.9 | 128.8 | 99.8 | 70.8 | 41.7 | 38.1 |
| 102.5° | 205.4 | 208.1 | 210.9 | 213.7 | 216.5 | 216.0 | 212.2 | 208.4 | 204.6 | 200.8 | 162.2 |
| 105° | 285.1 | 286.4 | 287.6 | 288.9 | 290.2 | 291.4 | 292.4 | 293.4 | 294.5 | 295.5 | 297.5 |
| 107.5° | 359.2 | 359.9 | 360.5 | 361.1 | 361.7 | 362.8 | 364.2 | 365.7 | 367.0 | 368.5 | 369.4 |
| 110° | 409.3 | 409.9 | 410.5 | 411.2 | 411.8 | 412.7 | 414.0 | 415.2 | 416.5 | 417.8 | 418.2 |



TEST NUMBER: P332622-930

CATALOG NUMBER: S124DIP-S795D1205U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 457.8 | 458.9 | 460.0 | 461.1 | 462.3 | 463.2 | 463.7 | 464.3 | 465.0 | 465.5 | 465.5 |
| 115° | 532.4 | 533.0 | 533.7 | 534.3 | 534.9 | 535.2 | 534.9 | 534.8 | 534.5 | 534.3 | 534.8 |
| 117.5° | 599.7 | 600.5 | 601.4 | 602.2 | 603.0 | 603.6 | 604.1 | 604.6 | 605.1 | 605.5 | 605.4 |
| 120° | 645.1 | 646.0 | 646.9 | 647.7 | 648.5 | 648.8 | 648.7 | 648.4 | 648.2 | 648.0 | 648.4 |
| 122.5° | 687.5 | 688.1 | 688.6 | 689.1 | 689.6 | 690.0 | 690.3 | 690.6 | 690.9 | 691.2 | 691.5 |
| 125° | 748.4 | 749.3 | 750.1 | 750.9 | 751.8 | 752.0 | 751.5 | 751.1 | 750.7 | 750.3 | 750.9 |
| 127.5° | 806.0 | 806.2 | 806.4 | 806.7 | 806.8 | 807.4 | 808.4 | 809.3 | 810.3 | 811.3 | 811.1 |
| 130° | 843.1 | 843.3 | 843.6 | 843.8 | 844.0 | 844.4 | 845.1 | 845.6 | 846.3 | 846.9 | 847.1 |
| 132.5° | 877.3 | 877.6 | 878.0 | 878.4 | 878.7 | 879.4 | 880.1 | 880.9 | 881.7 | 882.6 | 882.7 |
| 135° | 928.4 | 928.2 | 928.0 | 927.7 | 927.6 | 927.9 | 928.7 | 929.5 | 930.4 | 931.2 | 931.6 |
| 137.5° | 973.7 | 973.8 | 973.9 | 974.0 | 974.0 | 974.5 | 975.4 | 976.4 | 977.3 | 978.2 | 978.7 |
| 140° | 1003.2 | 1003.6 | 1004.0 | 1004.5 | 1004.9 | 1005.3 | 1005.8 | 1006.2 | 1006.6 | 1007.1 | 1007.6 |
| 142.5° | 1029.7 | 1030.5 | 1031.3 | 1032.0 | 1032.8 | 1033.3 | 1033.6 | 1033.8 | 1034.0 | 1034.3 | 1034.8 |
| 145° | 1070.5 | 1071.1 | 1071.8 | 1072.4 | 1073.0 | 1073.3 | 1073.3 | 1073.3 | 1073.3 | 1073.3 | 1073.6 |
| 147.5° | 1102.9 | 1104.1 | 1105.2 | 1106.4 | 1107.6 | 1108.1 | 1107.9 | 1107.7 | 1107.4 | 1107.3 | 1107.4 |
| 150° | 1126.4 | 1127.2 | 1128.0 | 1128.9 | 1129.8 | 1130.1 | 1129.8 | 1129.7 | 1129.4 | 1129.2 | 1129.2 |
| 152.5° | 1146.1 | 1146.8 | 1147.5 | 1148.1 | 1148.8 | 1148.9 | 1148.6 | 1148.2 | 1147.8 | 1147.5 | 1147.8 |
| 155° | 1173.8 | 1173.9 | 1174.2 | 1174.4 | 1174.6 | 1174.4 | 1173.8 | 1173.1 | 1172.5 | 1171.8 | 1172.7 |
| 157.5° | 1197.0 | 1196.9 | 1196.8 | 1196.7 | 1196.5 | 1196.1 | 1195.4 | 1194.7 | 1194.0 | 1193.3 | 1194.3 |
| 160° | 1210.7 | 1210.1 | 1209.4 | 1208.8 | 1208.2 | 1207.8 | 1207.5 | 1207.3 | 1207.1 | 1206.9 | 1208.2 |
| 162.5° | 1222.8 | 1222.1 | 1221.2 | 1220.4 | 1219.6 | 1219.1 | 1218.9 | 1218.7 | 1218.5 | 1218.3 | 1219.5 |
| 165° | 1238.2 | 1237.1 | 1236.1 | 1235.0 | 1234.0 | 1233.5 | 1233.5 | 1233.5 | 1233.5 | 1233.5 | 1235.1 |
| 167.5° | 1250.3 | 1249.2 | 1248.1 | 1247.0 | 1245.9 | 1245.3 | 1245.2 | 1245.0 | 1245.0 | 1244.8 | 1246.7 |
| 170° | 1257.1 | 1255.9 | 1254.6 | 1253.4 | 1252.1 | 1251.6 | 1251.7 | 1252.0 | 1252.1 | 1252.4 | 1254.1 |
| 172.5° | 1261.7 | 1260.4 | 1259.1 | 1257.8 | 1256.6 | 1256.1 | 1256.3 | 1256.5 | 1256.7 | 1256.9 | 1258.6 |
| 175° | 1266.6 | 1265.3 | 1264.0 | 1262.8 | 1261.5 | 1261.0 | 1261.2 | 1261.4 | 1261.7 | 1261.8 | 1263.7 |
| 177.5° | 1268.9 | 1267.7 | 1266.5 | 1265.3 | 1264.1 | 1263.7 | 1264.0 | 1264.4 | 1264.8 | 1265.1 | 1266.4 |
| 180° | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 |



TEST NUMBER: P332622-930

CATALOG NUMBER: S124DIP-S795D1205U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 |
| 2.5° | 1078.4 | 1079.9 | 1081.5 | 1082.2 | 1082.1 | 1081.9 | 1081.7 | 1081.6 |
| 5° | 1072.6 | 1074.7 | 1076.8 | 1077.7 | 1077.3 | 1077.0 | 1076.6 | 1076.2 |
| 7.5° | 1060.7 | 1062.4 | 1064.0 | 1064.8 | 1064.6 | 1064.4 | 1064.1 | 1063.9 |
| 10° | 1050.7 | 1052.2 | 1053.8 | 1054.3 | 1053.9 | 1053.5 | 1053.2 | 1052.8 |
| 12.5° | 1038.5 | 1040.2 | 1041.9 | 1042.4 | 1042.0 | 1041.4 | 1040.8 | 1040.3 |
| 15° | 1015.2 | 1016.4 | 1017.5 | 1017.8 | 1017.2 | 1016.7 | 1016.1 | 1015.5 |
| 17.5° | 988.7 | 989.4 | 990.2 | 990.3 | 989.9 | 989.5 | 989.2 | 988.8 |
| 20° | 969.0 | 969.6 | 970.1 | 970.2 | 969.8 | 969.5 | 969.1 | 968.7 |
| 22.5° | 948.4 | 949.4 | 950.5 | 950.6 | 949.9 | 949.3 | 948.5 | 947.9 |
| 25° | 914.4 | 914.6 | 914.8 | 914.5 | 913.8 | 913.0 | 912.2 | 911.4 |
| 27.5° | 876.4 | 875.9 | 875.4 | 874.7 | 873.8 | 872.8 | 871.8 | 870.8 |
| 30° | 850.0 | 849.3 | 848.5 | 847.7 | 846.7 | 845.7 | 844.7 | 843.8 |
| 32.5° | 823.4 | 822.5 | 821.6 | 820.6 | 819.6 | 818.6 | 817.7 | 816.8 |
| 35° | 781.3 | 779.9 | 778.5 | 777.4 | 776.4 | 775.5 | 774.5 | 773.6 |
| 37.5° | 737.1 | 735.6 | 734.3 | 732.9 | 731.6 | 730.3 | 729.0 | 727.7 |
| 40° | 706.4 | 704.5 | 702.5 | 701.1 | 700.1 | 699.2 | 698.2 | 697.2 |
| 42.5° | 676.6 | 674.4 | 672.1 | 670.7 | 670.1 | 669.4 | 668.8 | 668.1 |
| 45° | 630.6 | 628.4 | 626.3 | 625.0 | 624.4 | 623.8 | 623.2 | 622.6 |
| 47.5° | 586.0 | 583.6 | 581.1 | 579.3 | 577.8 | 576.3 | 574.9 | 573.4 |
| 50° | 554.8 | 552.1 | 549.4 | 547.5 | 546.3 | 545.2 | 544.0 | 542.9 |
| 52.5° | 522.9 | 520.4 | 518.0 | 516.2 | 514.7 | 513.2 | 511.8 | 510.3 |
| 55° | 475.8 | 473.5 | 471.2 | 469.4 | 468.3 | 467.2 | 465.9 | 464.8 |
| 57.5° | 428.7 | 426.5 | 424.3 | 422.7 | 421.5 | 420.4 | 419.3 | 418.2 |
| 60° | 396.3 | 394.6 | 392.8 | 391.5 | 390.5 | 389.6 | 388.6 | 387.7 |
| 62.5° | 364.7 | 363.1 | 361.6 | 360.3 | 359.3 | 358.3 | 357.4 | 356.4 |
| 65° | 318.8 | 316.8 | 314.9 | 313.5 | 312.5 | 311.5 | 310.5 | 309.6 |
| 67.5° | 271.4 | 269.5 | 267.7 | 266.6 | 266.4 | 266.1 | 265.8 | 265.5 |
| 70° | 241.5 | 239.9 | 238.4 | 237.3 | 236.8 | 236.2 | 235.6 | 235.1 |
| 72.5° | 211.6 | 210.3 | 209.1 | 208.2 | 207.6 | 207.0 | 206.4 | 205.9 |
| 75° | 168.4 | 167.6 | 166.9 | 166.4 | 166.2 | 166.0 | 165.8 | 165.7 |
| 77.5° | 127.5 | 127.3 | 127.1 | 126.7 | 126.2 | 125.7 | 125.2 | 124.7 |
| 80° | 101.6 | 101.2 | 100.8 | 100.5 | 100.3 | 100.1 | 100.0 | 99.7 |
| 82.5° | 78.3 | 78.0 | 77.8 | 77.6 | 77.5 | 77.2 | 77.0 | 76.8 |
| 85° | 45.1 | 45.1 | 45.1 | 45.0 | 44.8 | 44.6 | 44.4 | 44.2 |
| 87.5° | 21.4 | 21.6 | 21.9 | 22.0 | 22.1 | 22.2 | 22.3 | 22.3 |
| 90° | 23.4 | 24.6 | 25.9 | 26.7 | 27.1 | 27.6 | 28.0 | 28.5 |
| 92.5° | 22.6 | 23.9 | 25.1 | 25.8 | 25.9 | 26.0 | 26.1 | 26.2 |
| 95° | 23.4 | 24.6 | 25.9 | 26.7 | 26.8 | 27.1 | 27.2 | 27.5 |
| 97.5° | 25.3 | 25.4 | 25.5 | 25.7 | 25.9 | 26.1 | 26.3 | 26.5 |
| 100° | 34.5 | 31.0 | 27.4 | 25.7 | 25.9 | 26.1 | 26.3 | 26.5 |
| 102.5° | 123.6 | 85.0 | 46.4 | 27.1 | 27.1 | 27.2 | 27.2 | 27.3 |
| 105° | 299.4 | 301.3 | 303.1 | 300.3 | 292.7 | 285.1 | 277.6 | 270.0 |
| 107.5° | 370.4 | 371.3 | 372.2 | 373.1 | 373.9 | 374.7 | 375.4 | 376.3 |
| 110° | 418.7 | 419.1 | 419.5 | 420.0 | 420.6 | 421.3 | 421.9 | 422.5 |



TEST NUMBER: P332622-930

CATALOG NUMBER: S124DIP-S795D1205U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 465.4 | 465.3 | 465.2 | 465.5 | 466.4 | 467.2 | 468.0 | 468.7 |
| 115° | 535.2 | 535.6 | 536.0 | 536.2 | 536.2 | 536.2 | 536.2 | 536.2 |
| 117.5° | 605.4 | 605.3 | 605.2 | 605.1 | 605.0 | 605.0 | 604.9 | 604.8 |
| 120° | 648.8 | 649.2 | 649.6 | 649.6 | 649.2 | 648.8 | 648.4 | 648.0 |
| 122.5° | 691.7 | 691.9 | 692.2 | 692.1 | 691.7 | 691.3 | 690.8 | 690.4 |
| 125° | 751.5 | 752.2 | 752.8 | 753.3 | 753.4 | 753.7 | 753.9 | 754.1 |
| 127.5° | 811.1 | 810.9 | 810.8 | 810.7 | 810.5 | 810.3 | 810.2 | 810.0 |
| 130° | 847.3 | 847.6 | 847.7 | 847.8 | 847.8 | 847.8 | 847.8 | 847.8 |
| 132.5° | 883.0 | 883.2 | 883.4 | 883.4 | 883.2 | 883.1 | 882.9 | 882.7 |
| 135° | 932.1 | 932.5 | 932.9 | 933.4 | 933.8 | 934.2 | 934.6 | 935.0 |
| 137.5° | 979.2 | 979.6 | 980.1 | 980.2 | 980.2 | 980.0 | 979.8 | 979.7 |
| 140° | 1008.3 | 1008.9 | 1009.6 | 1010.0 | 1010.2 | 1010.4 | 1010.6 | 1010.8 |
| 142.5° | 1035.3 | 1035.7 | 1036.2 | 1036.4 | 1036.5 | 1036.5 | 1036.6 | 1036.6 |
| 145° | 1073.7 | 1074.0 | 1074.2 | 1074.5 | 1074.9 | 1075.3 | 1075.8 | 1076.2 |
| 147.5° | 1107.6 | 1107.7 | 1107.9 | 1108.1 | 1108.3 | 1108.6 | 1108.7 | 1109.0 |
| 150° | 1129.2 | 1129.2 | 1129.2 | 1129.4 | 1129.5 | 1129.8 | 1130.0 | 1130.2 |
| 152.5° | 1148.1 | 1148.4 | 1148.8 | 1148.8 | 1148.8 | 1148.6 | 1148.5 | 1148.3 |
| 155° | 1173.5 | 1174.4 | 1175.3 | 1175.3 | 1174.7 | 1174.0 | 1173.5 | 1172.8 |
| 157.5° | 1195.5 | 1196.5 | 1197.7 | 1197.7 | 1196.5 | 1195.5 | 1194.3 | 1193.3 |
| 160° | 1209.4 | 1210.7 | 1211.9 | 1211.9 | 1210.7 | 1209.4 | 1208.2 | 1206.9 |
| 162.5° | 1220.8 | 1222.1 | 1223.4 | 1223.3 | 1221.8 | 1220.4 | 1219.0 | 1217.5 |
| 165° | 1236.8 | 1238.5 | 1240.2 | 1240.1 | 1238.2 | 1236.2 | 1234.4 | 1232.5 |
| 167.5° | 1248.5 | 1250.3 | 1252.2 | 1252.1 | 1250.0 | 1247.9 | 1245.8 | 1243.7 |
| 170° | 1255.7 | 1257.4 | 1259.1 | 1258.9 | 1256.8 | 1254.7 | 1252.6 | 1250.5 |
| 172.5° | 1260.3 | 1262.0 | 1263.6 | 1263.4 | 1261.1 | 1258.8 | 1256.5 | 1254.3 |
| 175° | 1265.7 | 1267.5 | 1269.4 | 1269.1 | 1266.6 | 1264.0 | 1261.5 | 1259.0 |
| 177.5° | 1267.8 | 1269.1 | 1270.5 | 1270.2 | 1268.1 | 1266.1 | 1264.0 | 1262.1 |
| 180° | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 |

(END OF REPORT)