

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: P332785-930

Luminaire Tested: **S124DIW-S795D770U930-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332785-930
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: S124DIW-S795D770U930-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

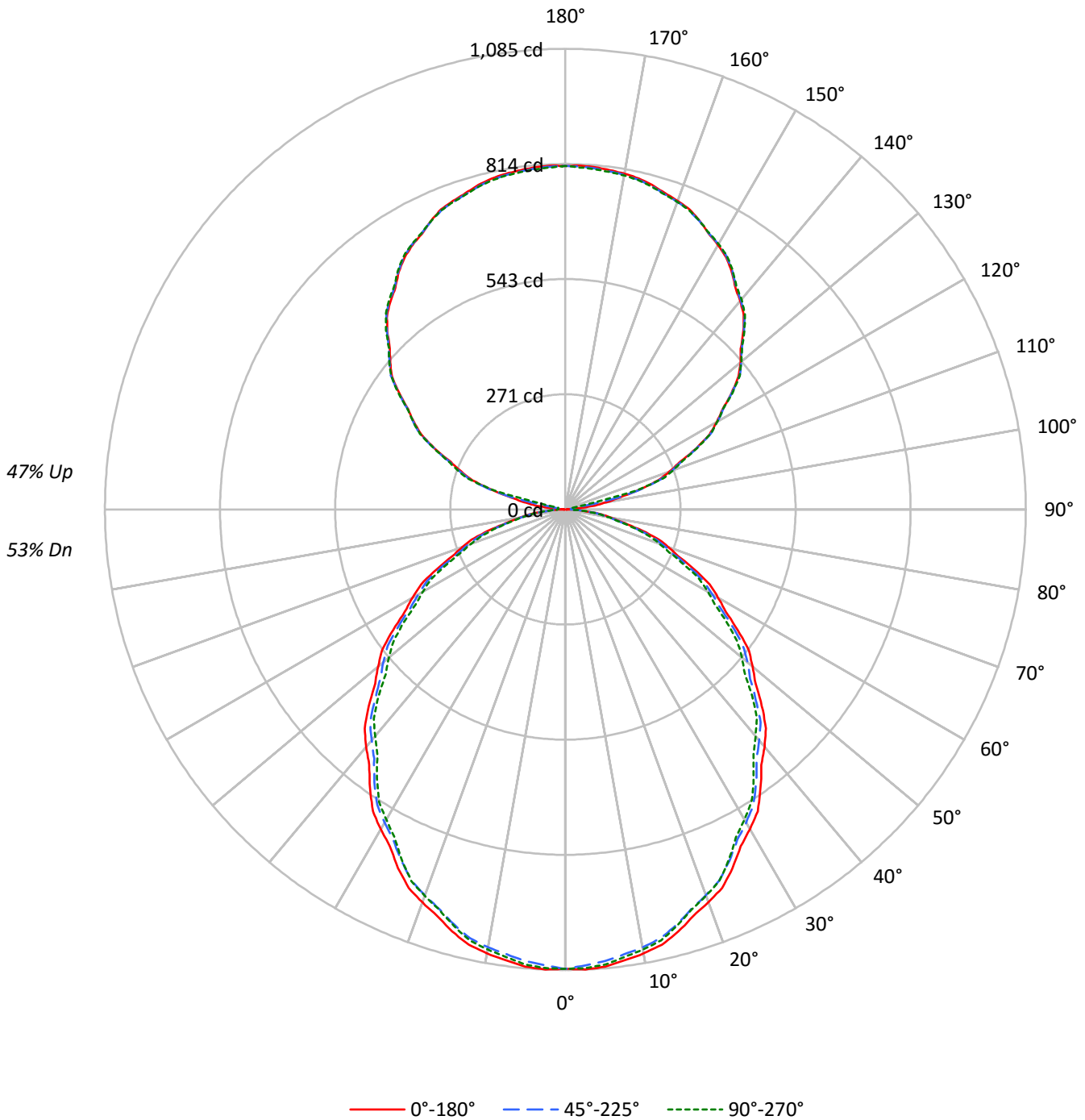
Lumens per Lamp: N/A
Luminaire Lumens: 5282.5 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 45
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: P332785-930
CATALOG NUMBER: S124DIW-S795D770U930-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332785-930

CATALOG NUMBER: S124DIW-S795D770U930-4F0-1E-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 59 | 59 | 59 | 53 | | | | |
| 1 | 98 | 94 | 90 | 86 | 91 | 87 | 84 | 81 | 74 | 72 | 70 | 63 | 61 | 59 | 52 | 50 | 49 | 44 | | | | |
| 2 | 90 | 82 | 76 | 71 | 83 | 76 | 71 | 66 | 65 | 61 | 58 | 55 | 52 | 49 | 45 | 43 | 42 | 37 | | | | |
| 3 | 82 | 72 | 65 | 59 | 75 | 67 | 61 | 55 | 57 | 52 | 48 | 49 | 45 | 42 | 40 | 38 | 35 | 31 | | | | |
| 4 | 75 | 64 | 56 | 50 | 69 | 59 | 52 | 47 | 51 | 46 | 41 | 43 | 39 | 36 | 36 | 33 | 30 | 27 | | | | |
| 5 | 69 | 57 | 49 | 43 | 63 | 53 | 46 | 40 | 46 | 40 | 36 | 39 | 34 | 31 | 32 | 29 | 27 | 23 | | | | |
| 6 | 63 | 51 | 43 | 37 | 58 | 48 | 40 | 35 | 41 | 35 | 31 | 35 | 31 | 27 | 29 | 26 | 23 | 21 | | | | |
| 7 | 58 | 46 | 38 | 32 | 54 | 43 | 36 | 31 | 37 | 32 | 27 | 32 | 27 | 24 | 27 | 23 | 21 | 18 | | | | |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 29 | 25 | 21 | 25 | 21 | 19 | 16 | | | | |
| 9 | 51 | 38 | 31 | 26 | 47 | 36 | 29 | 24 | 31 | 26 | 22 | 27 | 22 | 19 | 23 | 19 | 17 | 15 | | | | |
| 10 | 47 | 35 | 28 | 23 | 44 | 33 | 26 | 22 | 29 | 23 | 20 | 25 | 21 | 17 | 21 | 18 | 15 | 13 | | | | |

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: P332785-930

CATALOG NUMBER: S124DIW-S795D770U930-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 101.9 | 1.9 |
| 10°-20° | 287.2 | 5.4 |
| 20°-30° | 422.7 | 8.0 |
| 30°-40° | 491.4 | 9.3 |
| 40°-50° | 491.4 | 9.3 |
| 50°-60° | 429.8 | 8.1 |
| 60°-70° | 319.2 | 6.0 |
| 70°-80° | 181.4 | 3.4 |
| 80°-90° | 54.7 | 1.0 |
| 90°-100° | 27.7 | 0.5 |
| 100°-110° | 176.5 | 3.3 |
| 110°-120° | 337.5 | 6.4 |
| 120°-130° | 428.5 | 8.1 |
| 130°-140° | 458.5 | 8.7 |
| 140°-150° | 428.7 | 8.1 |
| 150°-160° | 345.7 | 6.5 |
| 160°-170° | 223.0 | 4.2 |
| 170°-180° | 76.9 | 1.5 |
| 0°-30° | 811.8 | 15.4 |
| 0°-40° | 1303.1 | 24.7 |
| 0°-60° | 2224.4 | 42.1 |
| 0°-90° | 2779.6 | 52.6 |
| 90°-120° | 541.7 | 10.3 |
| 90°-150° | 1857.3 | 35.2 |
| 90°-180° | 2503.0 | 47.4 |
| 0°-180° | 5282.5 | 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° | 2 | 8 | 13 | 17 | 18 | 4 |
| 95° | 33 | 14 | 13 | 17 | 18 | 43 |
| 105° | 182 | 186 | 189 | 193 | 172 | 191 |
| 115° | 340 | 342 | 341 | 342 | 342 | 335 |
| 125° | 478 | 480 | 479 | 481 | 482 | 427 |
| 135° | 593 | 593 | 595 | 596 | 597 | 457 |
| 145° | 684 | 686 | 686 | 686 | 688 | 427 |
| 155° | 750 | 750 | 749 | 751 | 749 | 346 |
| 165° | 791 | 788 | 788 | 792 | 787 | 223 |
| 175° | 809 | 806 | 806 | 811 | 804 | 77 |
| 180° | 809 | 809 | 809 | 809 | 809 | |



TEST NUMBER: P332785-930

CATALOG NUMBER: S124DIW-S795D770U930-4F0-1E-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° | 18.4 | 18.5 | 18.7 | 18.8 | 19.0 | 19.1 | 19.2 | 19.2 | 19.2 | 19.3 | 19.5 |
| 90° | 1.8 | 3.3 | 4.8 | 6.3 | 7.7 | 9.0 | 10.1 | 11.2 | 12.2 | 13.3 | 14.1 |
| 92.5° | 7.7 | 7.7 | 7.8 | 7.8 | 7.9 | 8.6 | 9.6 | 10.7 | 11.7 | 12.8 | 13.6 |
| 95° | 33.3 | 28.7 | 24.1 | 19.6 | 15.0 | 12.8 | 12.9 | 13.0 | 13.2 | 13.3 | 14.1 |
| 97.5° | 70.7 | 73.5 | 76.4 | 79.2 | 82.1 | 76.0 | 61.0 | 46.0 | 31.0 | 16.0 | 16.1 |
| 100° | 99.2 | 101.7 | 104.1 | 106.5 | 108.9 | 100.9 | 82.3 | 63.8 | 45.2 | 26.7 | 24.4 |
| 102.5° | 131.2 | 133.0 | 134.8 | 136.6 | 138.3 | 137.9 | 135.6 | 133.1 | 130.7 | 128.3 | 103.6 |
| 105° | 182.1 | 183.0 | 183.8 | 184.6 | 185.4 | 186.1 | 186.8 | 187.4 | 188.2 | 188.8 | 190.0 |
| 107.5° | 229.5 | 229.9 | 230.3 | 230.7 | 231.1 | 231.8 | 232.7 | 233.6 | 234.5 | 235.4 | 236.0 |
| 110° | 261.5 | 261.9 | 262.3 | 262.7 | 263.0 | 263.7 | 264.5 | 265.3 | 266.1 | 266.8 | 267.2 |



TEST NUMBER: P332785-930

CATALOG NUMBER: S124DIW-S795D770U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 292.4 | 293.2 | 293.9 | 294.6 | 295.3 | 295.9 | 296.3 | 296.6 | 297.0 | 297.4 | 297.3 |
| 115° | 340.1 | 340.6 | 341.0 | 341.3 | 341.7 | 341.9 | 341.7 | 341.6 | 341.4 | 341.3 | 341.6 |
| 117.5° | 383.1 | 383.6 | 384.2 | 384.7 | 385.2 | 385.6 | 386.0 | 386.2 | 386.5 | 386.9 | 386.8 |
| 120° | 412.1 | 412.7 | 413.2 | 413.8 | 414.3 | 414.5 | 414.3 | 414.3 | 414.1 | 413.9 | 414.3 |
| 122.5° | 439.3 | 439.5 | 439.9 | 440.2 | 440.5 | 440.8 | 441.0 | 441.2 | 441.3 | 441.6 | 441.7 |
| 125° | 478.1 | 478.7 | 479.2 | 479.7 | 480.2 | 480.4 | 480.1 | 479.9 | 479.6 | 479.3 | 479.7 |
| 127.5° | 514.9 | 515.0 | 515.2 | 515.3 | 515.4 | 515.8 | 516.4 | 517.1 | 517.6 | 518.3 | 518.2 |
| 130° | 538.6 | 538.7 | 538.9 | 539.0 | 539.2 | 539.4 | 539.8 | 540.2 | 540.6 | 541.0 | 541.2 |
| 132.5° | 560.4 | 560.7 | 560.9 | 561.1 | 561.3 | 561.7 | 562.2 | 562.8 | 563.3 | 563.8 | 563.9 |
| 135° | 593.0 | 593.0 | 592.8 | 592.6 | 592.6 | 592.7 | 593.3 | 593.8 | 594.4 | 594.9 | 595.2 |
| 137.5° | 622.0 | 622.1 | 622.2 | 622.2 | 622.2 | 622.6 | 623.1 | 623.7 | 624.4 | 624.9 | 625.2 |
| 140° | 640.9 | 641.2 | 641.4 | 641.7 | 642.0 | 642.2 | 642.5 | 642.8 | 643.0 | 643.4 | 643.7 |
| 142.5° | 657.9 | 658.4 | 658.8 | 659.3 | 659.7 | 660.1 | 660.2 | 660.4 | 660.6 | 660.7 | 661.0 |
| 145° | 683.9 | 684.3 | 684.7 | 685.1 | 685.5 | 685.7 | 685.7 | 685.7 | 685.7 | 685.7 | 685.8 |
| 147.5° | 704.6 | 705.3 | 706.0 | 706.8 | 707.6 | 707.8 | 707.8 | 707.6 | 707.4 | 707.4 | 707.4 |
| 150° | 719.6 | 720.1 | 720.6 | 721.2 | 721.7 | 721.9 | 721.8 | 721.6 | 721.5 | 721.4 | 721.4 |
| 152.5° | 732.1 | 732.5 | 733.0 | 733.4 | 733.9 | 733.9 | 733.7 | 733.5 | 733.3 | 733.0 | 733.2 |
| 155° | 749.8 | 750.0 | 750.1 | 750.2 | 750.4 | 750.2 | 749.8 | 749.4 | 749.0 | 748.6 | 749.2 |
| 157.5° | 764.8 | 764.7 | 764.6 | 764.5 | 764.4 | 764.1 | 763.7 | 763.2 | 762.7 | 762.3 | 763.0 |
| 160° | 773.4 | 773.0 | 772.7 | 772.3 | 771.8 | 771.5 | 771.4 | 771.3 | 771.1 | 771.0 | 771.8 |
| 162.5° | 781.1 | 780.6 | 780.2 | 779.7 | 779.1 | 778.8 | 778.7 | 778.5 | 778.4 | 778.3 | 779.1 |
| 165° | 791.0 | 790.3 | 789.6 | 789.0 | 788.3 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 789.0 |
| 167.5° | 798.7 | 798.0 | 797.4 | 796.6 | 795.9 | 795.6 | 795.5 | 795.4 | 795.3 | 795.2 | 796.4 |
| 170° | 803.1 | 802.3 | 801.4 | 800.6 | 799.9 | 799.5 | 799.6 | 799.8 | 799.9 | 800.1 | 801.1 |
| 172.5° | 806.0 | 805.2 | 804.4 | 803.6 | 802.7 | 802.4 | 802.6 | 802.7 | 802.8 | 803.0 | 804.0 |
| 175° | 809.1 | 808.3 | 807.6 | 806.7 | 805.9 | 805.6 | 805.7 | 805.8 | 806.0 | 806.1 | 807.3 |
| 177.5° | 810.6 | 809.8 | 809.1 | 808.3 | 807.6 | 807.3 | 807.6 | 807.7 | 808.0 | 808.1 | 809.0 |
| 180° | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 |



TEST NUMBER: P332785-930

CATALOG NUMBER: S124DIW-S795D770U930-4F0-1E-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° | 19.6 | 19.8 | 20.0 | 20.1 | 20.1 | 20.1 | 20.2 | 20.3 |
| 90° | 14.9 | 15.7 | 16.6 | 17.0 | 17.4 | 17.6 | 17.9 | 18.2 |
| 92.5° | 14.4 | 15.2 | 16.1 | 16.5 | 16.6 | 16.6 | 16.6 | 16.7 |
| 95° | 14.9 | 15.7 | 16.6 | 17.0 | 17.1 | 17.3 | 17.4 | 17.5 |
| 97.5° | 16.1 | 16.2 | 16.3 | 16.4 | 16.6 | 16.7 | 16.8 | 17.0 |
| 100° | 22.1 | 19.7 | 17.4 | 16.4 | 16.6 | 16.7 | 16.8 | 17.0 |
| 102.5° | 79.0 | 54.3 | 29.7 | 17.3 | 17.4 | 17.4 | 17.4 | 17.4 |
| 105° | 191.3 | 192.4 | 193.6 | 191.8 | 187.0 | 182.1 | 177.3 | 172.5 |
| 107.5° | 236.6 | 237.2 | 237.8 | 238.3 | 238.9 | 239.4 | 239.9 | 240.4 |
| 110° | 267.4 | 267.7 | 268.0 | 268.3 | 268.7 | 269.1 | 269.5 | 269.9 |



TEST NUMBER: P332785-930

CATALOG NUMBER: S124DIW-S795D770U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 297.3 | 297.3 | 297.2 | 297.4 | 297.9 | 298.4 | 299.0 | 299.5 |
| 115° | 341.9 | 342.1 | 342.4 | 342.5 | 342.5 | 342.5 | 342.5 | 342.5 |
| 117.5° | 386.7 | 386.7 | 386.6 | 386.5 | 386.5 | 386.5 | 386.4 | 386.4 |
| 120° | 414.5 | 414.7 | 415.0 | 415.0 | 414.7 | 414.5 | 414.3 | 413.9 |
| 122.5° | 441.9 | 442.1 | 442.2 | 442.1 | 441.9 | 441.6 | 441.3 | 441.1 |
| 125° | 480.1 | 480.5 | 480.9 | 481.2 | 481.4 | 481.4 | 481.6 | 481.8 |
| 127.5° | 518.1 | 518.0 | 518.0 | 517.9 | 517.8 | 517.6 | 517.6 | 517.5 |
| 130° | 541.3 | 541.4 | 541.6 | 541.6 | 541.6 | 541.6 | 541.6 | 541.6 |
| 132.5° | 564.0 | 564.2 | 564.4 | 564.4 | 564.3 | 564.1 | 564.0 | 563.9 |
| 135° | 595.4 | 595.7 | 596.0 | 596.2 | 596.5 | 596.8 | 597.0 | 597.3 |
| 137.5° | 625.5 | 625.8 | 626.1 | 626.2 | 626.1 | 626.1 | 626.0 | 625.9 |
| 140° | 644.1 | 644.5 | 644.9 | 645.2 | 645.3 | 645.5 | 645.6 | 645.7 |
| 142.5° | 661.4 | 661.6 | 661.9 | 662.1 | 662.1 | 662.1 | 662.2 | 662.2 |
| 145° | 685.9 | 686.1 | 686.2 | 686.4 | 686.6 | 687.0 | 687.2 | 687.5 |
| 147.5° | 707.5 | 707.7 | 707.8 | 707.9 | 708.0 | 708.2 | 708.3 | 708.4 |
| 150° | 721.4 | 721.4 | 721.4 | 721.5 | 721.6 | 721.7 | 721.9 | 721.9 |
| 152.5° | 733.4 | 733.6 | 733.9 | 733.9 | 733.9 | 733.8 | 733.7 | 733.6 |
| 155° | 749.7 | 750.2 | 750.7 | 750.8 | 750.4 | 750.0 | 749.6 | 749.3 |
| 157.5° | 763.7 | 764.4 | 765.1 | 765.1 | 764.4 | 763.7 | 763.0 | 762.3 |
| 160° | 772.7 | 773.4 | 774.2 | 774.2 | 773.4 | 772.7 | 771.8 | 771.0 |
| 162.5° | 779.9 | 780.6 | 781.5 | 781.5 | 780.6 | 779.6 | 778.7 | 777.8 |
| 165° | 790.1 | 791.2 | 792.2 | 792.2 | 791.0 | 789.8 | 788.6 | 787.3 |
| 167.5° | 797.6 | 798.7 | 800.0 | 799.9 | 798.5 | 797.2 | 795.8 | 794.5 |
| 170° | 802.2 | 803.3 | 804.4 | 804.2 | 802.9 | 801.5 | 800.2 | 798.8 |
| 172.5° | 805.1 | 806.2 | 807.2 | 807.1 | 805.6 | 804.2 | 802.7 | 801.3 |
| 175° | 808.5 | 809.8 | 811.0 | 810.7 | 809.1 | 807.6 | 805.9 | 804.3 |
| 177.5° | 809.9 | 810.7 | 811.6 | 811.4 | 810.1 | 808.8 | 807.6 | 806.2 |
| 180° | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 |

(END OF REPORT)