

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: P332786-927

Luminaire Tested: **S124DIW-S795D770U927-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332786-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S795D770U927-4F0-1E-UDD-F1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4810.0 lumens
Efficiency: N/A
Efficacy: 106.9 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

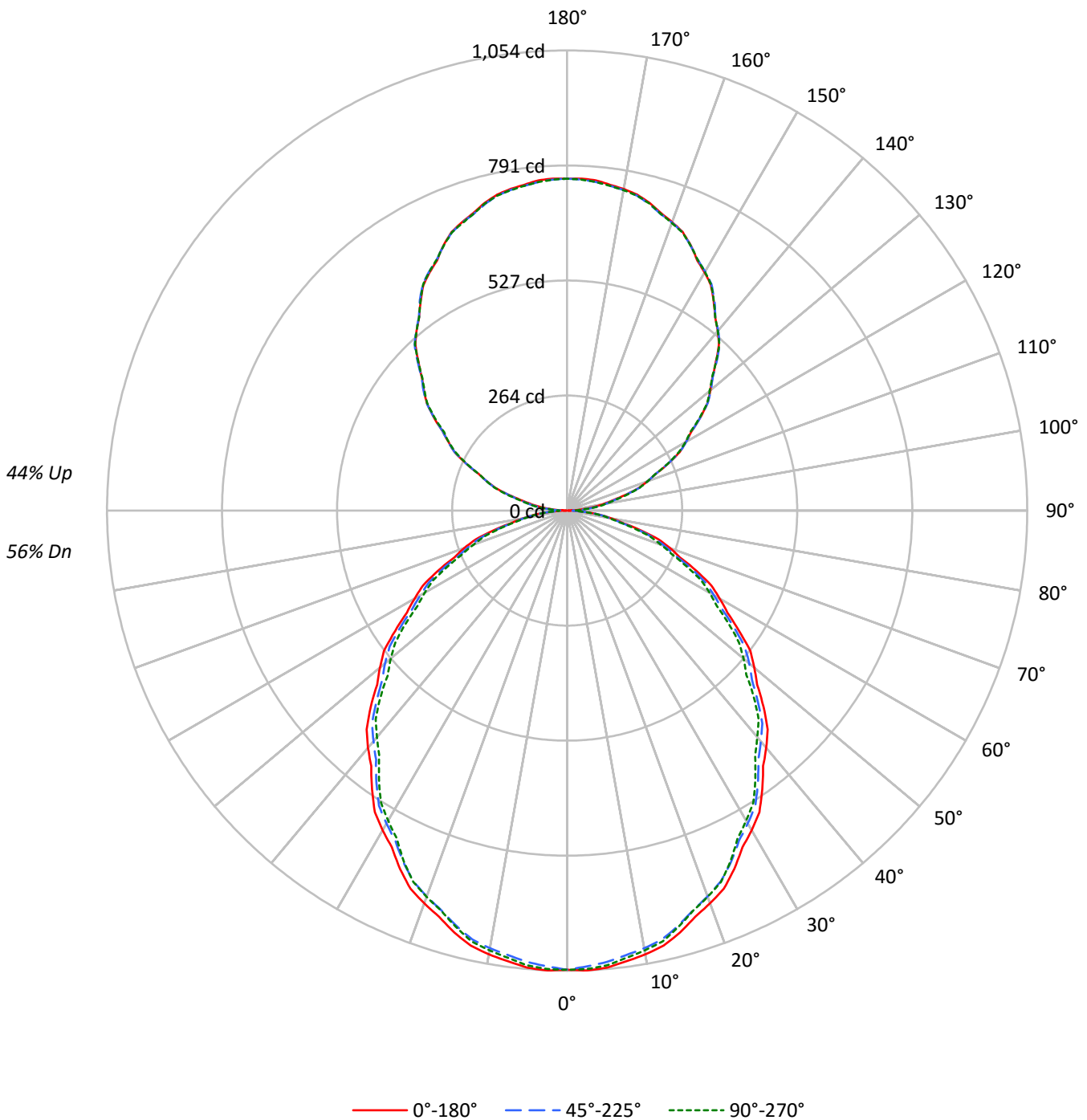
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332786-927

CATALOG NUMBER: S124DIW-S795D770U927-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332786-927

CATALOG NUMBER: S124DIW-S795D770U927-4F0-1E-UDD-F1

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 | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 62 | 62 | 62 | 56 |
| 1 | 99 | 95 | 91 | 87 | 92 | 88 | 85 | 82 | 76 | 74 | 71 | 65 | 63 | 61 | 55 | 53 | 52 | 47 |
| 2 | 90 | 83 | 76 | 71 | 84 | 77 | 72 | 67 | 67 | 62 | 59 | 57 | 54 | 51 | 48 | 46 | 44 | 40 |
| 3 | 82 | 73 | 65 | 59 | 76 | 68 | 61 | 56 | 59 | 54 | 50 | 50 | 47 | 43 | 43 | 40 | 37 | 33 |
| 4 | 75 | 64 | 56 | 50 | 70 | 60 | 53 | 48 | 52 | 47 | 42 | 45 | 41 | 37 | 38 | 35 | 32 | 29 |
| 5 | 69 | 57 | 49 | 43 | 64 | 54 | 46 | 41 | 47 | 41 | 36 | 40 | 36 | 32 | 34 | 31 | 28 | 25 |
| 6 | 64 | 52 | 43 | 37 | 59 | 48 | 41 | 36 | 42 | 36 | 32 | 36 | 32 | 28 | 31 | 27 | 25 | 22 |
| 7 | 59 | 47 | 38 | 33 | 55 | 44 | 36 | 31 | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 25 | 22 | 19 |
| 8 | 55 | 42 | 34 | 29 | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 30 | 26 | 22 | 26 | 22 | 20 | 17 |
| 9 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 25 | 32 | 26 | 22 | 28 | 23 | 20 | 24 | 20 | 18 | 16 |
| 10 | 48 | 35 | 28 | 23 | 44 | 33 | 27 | 22 | 30 | 24 | 20 | 26 | 21 | 18 | 22 | 19 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8490 | 8490 | 8490 |
| 5° | 8515 | 8413 | 8474 |
| 10° | 8461 | 8344 | 8385 |
| 15° | 8359 | 8226 | 8247 |
| 20° | 8223 | 8079 | 8086 |
| 25° | 8068 | 7911 | 7888 |
| 30° | 7879 | 7713 | 7643 |
| 35° | 7681 | 7508 | 7407 |
| 40° | 7477 | 7273 | 7140 |
| 45° | 7263 | 7042 | 6907 |
| 50° | 7027 | 6836 | 6625 |
| 55° | 6773 | 6570 | 6356 |
| 60° | 6516 | 6273 | 6082 |
| 65° | 6229 | 5989 | 5746 |
| 70° | 5908 | 5611 | 5391 |
| 75° | 5415 | 5153 | 5022 |
| 80° | 4816 | 4621 | 4505 |
| 85° | 4215 | 4057 | 3974 |



TEST NUMBER: P332786-927

CATALOG NUMBER: S124DIW-S795D770U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 99.0 | 2.1 |
| 10°-20° | 279.0 | 5.8 |
| 20°-30° | 410.7 | 8.5 |
| 30°-40° | 477.4 | 9.9 |
| 40°-50° | 477.5 | 9.9 |
| 50°-60° | 417.6 | 8.7 |
| 60°-70° | 310.2 | 6.4 |
| 70°-80° | 176.2 | 3.7 |
| 80°-90° | 53.1 | 1.1 |
| 90°-100° | 50.1 | 1.0 |
| 100°-110° | 148.5 | 3.1 |
| 110°-120° | 252.1 | 5.2 |
| 120°-130° | 332.4 | 6.9 |
| 130°-140° | 373.3 | 7.8 |
| 140°-150° | 366.9 | 7.6 |
| 150°-160° | 308.6 | 6.4 |
| 160°-170° | 205.3 | 4.3 |
| 170°-180° | 71.9 | 1.5 |
| 0°-30° | 788.7 | 16.4 |
| 0°-40° | 1266.2 | 26.3 |
| 0°-60° | 2161.3 | 44.9 |
| 0°-90° | 2700.8 | 56.1 |
| 90°-120° | 450.8 | 9.4 |
| 90°-150° | 1523.4 | 31.7 |
| 90°-180° | 2109.0 | 43.8 |
| 0°-180° | 4810.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1052 | 1052 | 1052 | 1052 | 1052 | |
| 5° | 1051 | 1047 | 1038 | 1047 | 1046 | 100 |
| 15° | 1000 | 996 | 984 | 989 | 987 | 282 |
| 25° | 906 | 900 | 888 | 889 | 886 | 417 |
| 35° | 779 | 773 | 762 | 756 | 752 | 487 |
| 45° | 636 | 630 | 617 | 608 | 605 | 490 |
| 55° | 481 | 478 | 467 | 457 | 452 | 431 |
| 65° | 326 | 322 | 314 | 305 | 301 | 323 |
| 75° | 174 | 169 | 165 | 162 | 161 | 184 |
| 85° | 46 | 45 | 44 | 44 | 43 | 50 |
| 90° | 2 | 8 | 13 | 16 | 18 | 5 |
| 95° | 35 | 40 | 45 | 46 | 46 | 39 |
| 105° | 137 | 138 | 140 | 142 | 144 | 145 |
| 115° | 256 | 256 | 255 | 255 | 254 | 253 |
| 125° | 373 | 373 | 373 | 372 | 370 | 333 |
| 135° | 482 | 485 | 485 | 484 | 482 | 372 |
| 145° | 585 | 587 | 588 | 587 | 586 | 366 |
| 155° | 670 | 670 | 670 | 672 | 670 | 308 |
| 165° | 730 | 728 | 727 | 730 | 728 | 206 |
| 175° | 759 | 756 | 756 | 759 | 756 | 72 |
| 180° | 760 | 760 | 760 | 760 | 760 | |



TEST NUMBER: P332786-927

CATALOG NUMBER: S124DIW-S795D770U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1051.6 | 1051.6 | 1051.6 | 1051.6 | 1051.6 | 1051.6 | 1051.6 | 1051.6 | 1051.6 | 1051.6 | 1051.6 |
| 2.5° | 1054.3 | 1053.8 | 1053.4 | 1053.0 | 1052.5 | 1051.5 | 1049.8 | 1048.1 | 1046.5 | 1044.9 | 1046.3 |
| 5° | 1050.8 | 1050.0 | 1049.2 | 1048.5 | 1047.7 | 1046.3 | 1044.3 | 1042.2 | 1040.1 | 1038.1 | 1040.1 |
| 7.5° | 1041.0 | 1040.2 | 1039.5 | 1038.7 | 1038.0 | 1036.5 | 1034.2 | 1031.9 | 1029.6 | 1027.3 | 1029.0 |
| 10° | 1032.2 | 1031.5 | 1030.7 | 1030.0 | 1029.2 | 1027.6 | 1025.2 | 1022.8 | 1020.3 | 1017.9 | 1019.4 |
| 12.5° | 1020.7 | 1020.0 | 1019.2 | 1018.5 | 1017.8 | 1016.1 | 1013.5 | 1010.9 | 1008.4 | 1005.8 | 1007.4 |
| 15° | 1000.2 | 999.4 | 998.7 | 997.9 | 997.2 | 995.5 | 992.6 | 989.8 | 987.0 | 984.2 | 985.3 |
| 17.5° | 975.4 | 974.5 | 973.5 | 972.6 | 971.7 | 969.9 | 967.3 | 964.6 | 961.9 | 959.3 | 960.0 |
| 20° | 957.2 | 956.2 | 955.4 | 954.4 | 953.5 | 951.6 | 948.8 | 945.9 | 943.2 | 940.4 | 941.0 |
| 22.5° | 937.7 | 936.4 | 935.2 | 934.0 | 932.7 | 930.7 | 927.9 | 925.1 | 922.3 | 919.5 | 920.5 |
| 25° | 905.8 | 904.5 | 903.2 | 901.9 | 900.6 | 898.6 | 896.0 | 893.3 | 890.7 | 888.1 | 888.3 |
| 27.5° | 869.4 | 868.1 | 866.7 | 865.4 | 864.0 | 862.1 | 859.7 | 857.3 | 854.8 | 852.4 | 851.9 |
| 30° | 845.2 | 843.7 | 842.2 | 840.7 | 839.2 | 837.2 | 834.7 | 832.3 | 829.9 | 827.4 | 826.7 |
| 32.5° | 819.5 | 818.2 | 816.8 | 815.5 | 814.1 | 812.1 | 809.6 | 807.0 | 804.5 | 801.8 | 801.0 |
| 35° | 779.4 | 778.1 | 776.8 | 775.5 | 774.2 | 772.2 | 769.6 | 767.0 | 764.4 | 761.8 | 760.4 |
| 37.5° | 737.1 | 735.9 | 734.7 | 733.6 | 732.3 | 730.3 | 727.5 | 724.7 | 721.9 | 719.1 | 717.6 |
| 40° | 709.5 | 708.0 | 706.5 | 705.0 | 703.5 | 701.3 | 698.5 | 695.7 | 692.9 | 690.1 | 688.2 |
| 42.5° | 679.9 | 678.9 | 678.0 | 677.2 | 676.2 | 674.2 | 671.1 | 668.0 | 664.9 | 661.8 | 659.7 |
| 45° | 636.2 | 634.9 | 633.6 | 632.2 | 631.0 | 628.8 | 625.8 | 622.8 | 619.8 | 616.8 | 614.7 |
| 47.5° | 590.5 | 589.6 | 588.7 | 587.8 | 586.9 | 585.1 | 582.3 | 579.6 | 576.8 | 574.0 | 571.6 |
| 50° | 559.5 | 558.7 | 558.0 | 557.2 | 556.5 | 554.8 | 552.2 | 549.6 | 546.9 | 544.3 | 541.7 |
| 52.5° | 529.2 | 528.3 | 527.4 | 526.5 | 525.5 | 523.7 | 520.9 | 518.2 | 515.4 | 512.6 | 510.3 |
| 55° | 481.2 | 480.5 | 480.0 | 479.4 | 478.9 | 477.3 | 474.7 | 472.1 | 469.4 | 466.8 | 464.5 |
| 57.5° | 435.3 | 434.7 | 434.0 | 433.4 | 432.8 | 431.1 | 428.6 | 426.0 | 423.4 | 420.8 | 418.7 |
| 60° | 403.6 | 402.7 | 401.7 | 400.8 | 399.9 | 398.2 | 395.8 | 393.3 | 390.9 | 388.5 | 386.7 |
| 62.5° | 372.6 | 371.9 | 371.1 | 370.3 | 369.5 | 367.8 | 365.2 | 362.6 | 360.0 | 357.4 | 355.9 |
| 65° | 326.1 | 325.2 | 324.2 | 323.3 | 322.3 | 320.9 | 319.1 | 317.2 | 315.3 | 313.5 | 311.6 |
| 67.5° | 279.2 | 278.4 | 277.5 | 276.6 | 275.8 | 274.5 | 272.7 | 270.8 | 269.1 | 267.3 | 265.5 |
| 70° | 250.3 | 249.0 | 247.6 | 246.3 | 245.0 | 243.6 | 242.1 | 240.6 | 239.1 | 237.7 | 236.1 |
| 72.5° | 219.3 | 217.9 | 216.7 | 215.3 | 214.0 | 212.8 | 211.6 | 210.3 | 209.1 | 207.9 | 206.8 |
| 75° | 173.6 | 172.6 | 171.7 | 170.8 | 169.8 | 168.9 | 167.9 | 167.0 | 166.1 | 165.2 | 164.4 |
| 77.5° | 129.9 | 129.5 | 129.1 | 128.7 | 128.3 | 127.7 | 126.8 | 126.0 | 125.2 | 124.4 | 124.1 |
| 80° | 103.6 | 103.1 | 102.5 | 102.0 | 101.4 | 100.9 | 100.5 | 100.2 | 99.8 | 99.4 | 99.0 |
| 82.5° | 78.0 | 77.8 | 77.5 | 77.2 | 77.0 | 76.8 | 76.8 | 76.7 | 76.6 | 76.5 | 76.3 |
| 85° | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.3 | 44.9 | 44.6 | 44.2 | 43.8 | 43.8 |
| 87.5° | 17.9 | 18.0 | 18.1 | 18.3 | 18.5 | 18.5 | 18.6 | 18.6 | 18.7 | 18.8 | 18.9 |
| 90° | 1.7 | 3.2 | 4.7 | 6.1 | 7.5 | 8.8 | 9.8 | 10.9 | 11.9 | 12.9 | 13.7 |
| 92.5° | 12.6 | 14.3 | 15.8 | 17.5 | 19.2 | 20.4 | 21.1 | 21.8 | 22.6 | 23.3 | 23.8 |
| 95° | 35.3 | 36.4 | 37.6 | 38.8 | 40.0 | 41.0 | 41.9 | 42.9 | 43.8 | 44.7 | 45.1 |
| 97.5° | 61.6 | 62.6 | 63.5 | 64.4 | 65.4 | 66.4 | 67.5 | 68.5 | 69.6 | 70.7 | 71.1 |
| 100° | 82.3 | 82.9 | 83.3 | 83.9 | 84.4 | 85.2 | 86.4 | 87.6 | 88.8 | 90.0 | 90.2 |
| 102.5° | 103.9 | 104.2 | 104.3 | 104.6 | 104.8 | 105.4 | 106.5 | 107.6 | 108.6 | 109.7 | 110.1 |
| 105° | 137.0 | 137.1 | 137.3 | 137.4 | 137.5 | 137.8 | 138.4 | 138.9 | 139.4 | 139.9 | 140.3 |
| 107.5° | 171.7 | 171.8 | 172.0 | 172.1 | 172.3 | 172.5 | 172.5 | 172.6 | 172.7 | 172.8 | 173.1 |
| 110° | 195.2 | 195.4 | 195.7 | 196.0 | 196.2 | 196.3 | 196.1 | 196.1 | 195.9 | 195.7 | 195.5 |



TEST NUMBER: P332786-927

CATALOG NUMBER: S124DIW-S795D770U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 219.7 | 219.7 | 219.8 | 219.8 | 219.8 | 219.8 | 219.5 | 219.3 | 219.0 | 218.8 | 218.8 |
| 115° | 256.4 | 256.4 | 256.4 | 256.4 | 256.4 | 256.2 | 256.0 | 255.7 | 255.4 | 255.2 | 255.0 |
| 117.5° | 290.9 | 291.0 | 291.1 | 291.2 | 291.4 | 291.3 | 291.1 | 291.0 | 290.7 | 290.6 | 290.1 |
| 120° | 313.9 | 314.5 | 315.0 | 315.5 | 316.1 | 316.1 | 315.8 | 315.4 | 315.0 | 314.6 | 313.9 |
| 122.5° | 337.9 | 338.2 | 338.3 | 338.6 | 338.8 | 338.8 | 338.7 | 338.4 | 338.3 | 338.1 | 337.6 |
| 125° | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.3 | 373.1 | 373.0 | 372.9 | 372.7 | 372.5 |
| 127.5° | 405.4 | 405.8 | 406.2 | 406.6 | 407.0 | 407.1 | 406.9 | 406.7 | 406.5 | 406.3 | 406.0 |
| 130° | 428.0 | 428.4 | 428.8 | 429.2 | 429.6 | 429.8 | 429.8 | 429.8 | 429.8 | 429.8 | 429.5 |
| 132.5° | 451.1 | 451.4 | 451.6 | 451.9 | 452.3 | 452.3 | 452.2 | 452.1 | 452.0 | 451.9 | 451.6 |
| 135° | 481.6 | 482.3 | 483.1 | 483.9 | 484.7 | 485.1 | 485.1 | 485.1 | 485.1 | 485.1 | 484.8 |
| 137.5° | 514.7 | 515.1 | 515.4 | 515.8 | 516.2 | 516.4 | 516.7 | 516.8 | 517.1 | 517.3 | 516.9 |
| 140° | 536.8 | 537.0 | 537.3 | 537.6 | 537.8 | 538.0 | 538.0 | 538.0 | 538.0 | 538.0 | 537.8 |
| 142.5° | 557.0 | 557.3 | 557.5 | 557.8 | 558.1 | 558.2 | 558.0 | 557.9 | 557.9 | 557.7 | 557.7 |
| 145° | 585.0 | 585.5 | 586.1 | 586.6 | 587.1 | 587.4 | 587.6 | 587.7 | 587.8 | 588.0 | 587.8 |
| 147.5° | 612.8 | 613.4 | 614.0 | 614.7 | 615.3 | 615.5 | 615.4 | 615.3 | 615.2 | 615.1 | 615.0 |
| 150° | 629.7 | 630.2 | 630.7 | 631.3 | 631.8 | 632.1 | 632.1 | 632.1 | 632.1 | 632.1 | 632.1 |
| 152.5° | 645.7 | 646.0 | 646.3 | 646.7 | 647.0 | 647.1 | 647.2 | 647.4 | 647.5 | 647.5 | 647.8 |
| 155° | 670.3 | 670.3 | 670.3 | 670.3 | 670.3 | 670.2 | 670.0 | 669.9 | 669.8 | 669.7 | 670.2 |
| 157.5° | 690.9 | 690.7 | 690.5 | 690.2 | 690.0 | 689.9 | 689.8 | 689.8 | 689.8 | 689.8 | 690.1 |
| 160° | 703.2 | 703.1 | 702.9 | 702.8 | 702.7 | 702.5 | 702.4 | 702.3 | 702.1 | 702.0 | 702.4 |
| 162.5° | 714.5 | 714.2 | 713.8 | 713.4 | 713.1 | 712.9 | 712.7 | 712.6 | 712.5 | 712.3 | 713.0 |
| 165° | 729.7 | 729.3 | 728.9 | 728.5 | 728.1 | 727.8 | 727.5 | 727.2 | 727.0 | 726.7 | 727.5 |
| 167.5° | 741.2 | 740.8 | 740.2 | 739.7 | 739.1 | 738.8 | 738.9 | 738.9 | 738.9 | 738.9 | 739.7 |
| 170° | 747.9 | 747.2 | 746.6 | 745.9 | 745.3 | 745.0 | 745.1 | 745.3 | 745.4 | 745.5 | 746.3 |
| 172.5° | 752.6 | 752.0 | 751.5 | 750.9 | 750.4 | 750.1 | 750.1 | 750.2 | 750.2 | 750.2 | 751.1 |
| 175° | 759.1 | 758.4 | 757.7 | 757.1 | 756.5 | 756.1 | 755.9 | 755.7 | 755.7 | 755.5 | 756.5 |
| 177.5° | 761.1 | 760.7 | 760.1 | 759.6 | 759.1 | 758.8 | 758.8 | 758.8 | 758.8 | 758.8 | 759.5 |
| 180° | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 |



TEST NUMBER: P332786-927

CATALOG NUMBER: S124DIW-S795D770U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1051.6 | 1051.6 | 1051.6 | 1051.6 | 1051.6 | 1051.6 | 1051.6 | 1051.6 |
| 2.5° | 1047.8 | 1049.3 | 1050.8 | 1051.5 | 1051.4 | 1051.2 | 1051.1 | 1050.9 |
| 5° | 1042.2 | 1044.3 | 1046.3 | 1047.2 | 1046.8 | 1046.5 | 1046.1 | 1045.7 |
| 7.5° | 1030.6 | 1032.3 | 1033.9 | 1034.6 | 1034.4 | 1034.2 | 1034.0 | 1033.7 |
| 10° | 1020.9 | 1022.4 | 1023.9 | 1024.5 | 1024.1 | 1023.7 | 1023.3 | 1022.9 |
| 12.5° | 1009.1 | 1010.7 | 1012.3 | 1012.9 | 1012.4 | 1011.9 | 1011.3 | 1010.8 |
| 15° | 986.4 | 987.5 | 988.6 | 989.0 | 988.4 | 987.9 | 987.3 | 986.7 |
| 17.5° | 960.7 | 961.4 | 962.1 | 962.3 | 961.9 | 961.5 | 961.2 | 960.8 |
| 20° | 941.5 | 942.1 | 942.6 | 942.7 | 942.3 | 942.0 | 941.6 | 941.2 |
| 22.5° | 921.5 | 922.5 | 923.5 | 923.7 | 923.0 | 922.3 | 921.6 | 921.0 |
| 25° | 888.5 | 888.7 | 888.9 | 888.6 | 887.9 | 887.1 | 886.4 | 885.6 |
| 27.5° | 851.5 | 851.0 | 850.6 | 849.9 | 849.0 | 848.0 | 847.1 | 846.1 |
| 30° | 825.9 | 825.2 | 824.4 | 823.6 | 822.7 | 821.7 | 820.8 | 819.9 |
| 32.5° | 800.0 | 799.2 | 798.3 | 797.3 | 796.4 | 795.4 | 794.5 | 793.6 |
| 35° | 759.1 | 757.8 | 756.5 | 755.3 | 754.4 | 753.5 | 752.6 | 751.6 |
| 37.5° | 716.2 | 714.8 | 713.4 | 712.1 | 710.8 | 709.6 | 708.4 | 707.1 |
| 40° | 686.3 | 684.5 | 682.6 | 681.2 | 680.2 | 679.4 | 678.4 | 677.5 |
| 42.5° | 657.4 | 655.3 | 653.1 | 651.7 | 651.1 | 650.5 | 649.8 | 649.2 |
| 45° | 612.7 | 610.6 | 608.6 | 607.3 | 606.7 | 606.1 | 605.5 | 605.0 |
| 47.5° | 569.3 | 567.0 | 564.7 | 562.8 | 561.4 | 560.0 | 558.6 | 557.1 |
| 50° | 539.1 | 536.5 | 533.9 | 532.0 | 530.8 | 529.7 | 528.6 | 527.5 |
| 52.5° | 508.0 | 505.6 | 503.4 | 501.5 | 500.1 | 498.7 | 497.3 | 495.8 |
| 55° | 462.3 | 460.1 | 457.8 | 456.1 | 455.0 | 453.9 | 452.7 | 451.6 |
| 57.5° | 416.5 | 414.4 | 412.3 | 410.7 | 409.6 | 408.4 | 407.4 | 406.3 |
| 60° | 385.1 | 383.4 | 381.7 | 380.4 | 379.5 | 378.5 | 377.6 | 376.7 |
| 62.5° | 354.3 | 352.8 | 351.3 | 350.1 | 349.1 | 348.2 | 347.3 | 346.3 |
| 65° | 309.7 | 307.8 | 305.9 | 304.6 | 303.6 | 302.7 | 301.7 | 300.8 |
| 67.5° | 263.7 | 261.9 | 260.1 | 259.0 | 258.8 | 258.6 | 258.3 | 258.0 |
| 70° | 234.6 | 233.1 | 231.6 | 230.6 | 230.0 | 229.5 | 228.9 | 228.4 |
| 72.5° | 205.6 | 204.4 | 203.2 | 202.3 | 201.7 | 201.1 | 200.6 | 200.0 |
| 75° | 163.7 | 162.9 | 162.2 | 161.7 | 161.5 | 161.3 | 161.1 | 161.0 |
| 77.5° | 123.9 | 123.7 | 123.5 | 123.1 | 122.6 | 122.2 | 121.7 | 121.2 |
| 80° | 98.7 | 98.3 | 97.9 | 97.7 | 97.4 | 97.3 | 97.1 | 96.9 |
| 82.5° | 76.0 | 75.8 | 75.6 | 75.4 | 75.3 | 75.0 | 74.9 | 74.6 |
| 85° | 43.8 | 43.8 | 43.8 | 43.7 | 43.6 | 43.3 | 43.2 | 42.9 |
| 87.5° | 19.1 | 19.3 | 19.4 | 19.5 | 19.6 | 19.6 | 19.6 | 19.7 |
| 90° | 14.5 | 15.3 | 16.1 | 16.6 | 16.9 | 17.1 | 17.3 | 17.7 |
| 92.5° | 24.2 | 24.7 | 25.2 | 25.5 | 25.7 | 25.8 | 26.0 | 26.1 |
| 95° | 45.5 | 45.9 | 46.3 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| 97.5° | 71.6 | 72.1 | 72.6 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 100° | 90.5 | 90.7 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 102.5° | 110.4 | 110.8 | 111.1 | 111.4 | 111.5 | 111.6 | 111.7 | 111.9 |
| 105° | 140.7 | 141.1 | 141.5 | 141.9 | 142.3 | 142.7 | 143.1 | 143.5 |
| 107.5° | 173.5 | 173.8 | 174.2 | 174.4 | 174.4 | 174.4 | 174.3 | 174.3 |
| 110° | 195.3 | 195.0 | 194.7 | 194.8 | 195.2 | 195.6 | 196.0 | 196.4 |



TEST NUMBER: P332786-927

CATALOG NUMBER: S124DIW-S795D770U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 218.7 | 218.6 | 218.6 | 218.6 | 218.7 | 218.8 | 218.9 | 219.0 |
| 115° | 254.9 | 254.8 | 254.6 | 254.5 | 254.4 | 254.3 | 254.1 | 254.0 |
| 117.5° | 289.7 | 289.2 | 288.8 | 288.4 | 288.2 | 287.9 | 287.6 | 287.4 |
| 120° | 313.2 | 312.6 | 312.0 | 311.7 | 312.0 | 312.3 | 312.5 | 312.8 |
| 122.5° | 337.2 | 336.8 | 336.3 | 335.8 | 335.3 | 334.9 | 334.5 | 334.0 |
| 125° | 372.2 | 372.0 | 371.7 | 371.5 | 371.2 | 370.9 | 370.7 | 370.4 |
| 127.5° | 405.8 | 405.5 | 405.2 | 405.0 | 404.8 | 404.6 | 404.3 | 404.2 |
| 130° | 429.3 | 429.0 | 428.7 | 428.3 | 427.9 | 427.3 | 426.7 | 426.3 |
| 132.5° | 451.4 | 451.1 | 450.8 | 450.6 | 450.4 | 450.2 | 450.0 | 449.8 |
| 135° | 484.5 | 484.3 | 484.0 | 483.7 | 483.3 | 482.9 | 482.5 | 482.1 |
| 137.5° | 516.6 | 516.3 | 515.9 | 515.8 | 515.9 | 515.9 | 516.0 | 516.1 |
| 140° | 537.7 | 537.6 | 537.4 | 537.3 | 537.2 | 537.0 | 536.9 | 536.8 |
| 142.5° | 557.7 | 557.6 | 557.6 | 557.6 | 557.5 | 557.5 | 557.5 | 557.5 |
| 145° | 587.7 | 587.6 | 587.4 | 587.2 | 586.8 | 586.4 | 586.0 | 585.6 |
| 147.5° | 614.9 | 614.8 | 614.7 | 614.6 | 614.4 | 614.3 | 614.2 | 614.0 |
| 150° | 632.1 | 632.1 | 632.1 | 632.0 | 631.8 | 631.7 | 631.6 | 631.4 |
| 152.5° | 648.2 | 648.5 | 648.8 | 648.8 | 648.5 | 648.2 | 647.8 | 647.5 |
| 155° | 670.7 | 671.2 | 671.8 | 671.8 | 671.2 | 670.7 | 670.2 | 669.7 |
| 157.5° | 690.5 | 690.9 | 691.3 | 691.3 | 690.9 | 690.5 | 690.0 | 689.5 |
| 160° | 702.8 | 703.2 | 703.6 | 703.5 | 702.8 | 702.1 | 701.5 | 700.8 |
| 162.5° | 713.8 | 714.5 | 715.2 | 715.2 | 714.5 | 713.9 | 713.3 | 712.6 |
| 165° | 728.3 | 729.0 | 729.8 | 730.0 | 729.4 | 728.9 | 728.4 | 727.9 |
| 167.5° | 740.5 | 741.2 | 742.0 | 742.0 | 741.2 | 740.5 | 739.7 | 738.8 |
| 170° | 747.1 | 747.9 | 748.7 | 748.6 | 747.7 | 746.8 | 745.8 | 745.0 |
| 172.5° | 752.0 | 752.9 | 753.8 | 753.8 | 752.8 | 751.9 | 751.0 | 750.1 |
| 175° | 757.3 | 758.3 | 759.1 | 759.1 | 758.3 | 757.3 | 756.5 | 755.5 |
| 177.5° | 760.3 | 761.0 | 761.8 | 761.7 | 760.8 | 760.0 | 759.1 | 758.4 |
| 180° | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 |

(END OF REPORT)