

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: P331593-935

Luminaire Tested: **S122DIW-S1005D710U935-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331593-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S1005D710U935-4F0-1E-UDD-D
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 710 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5916.6 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: General Diffuse

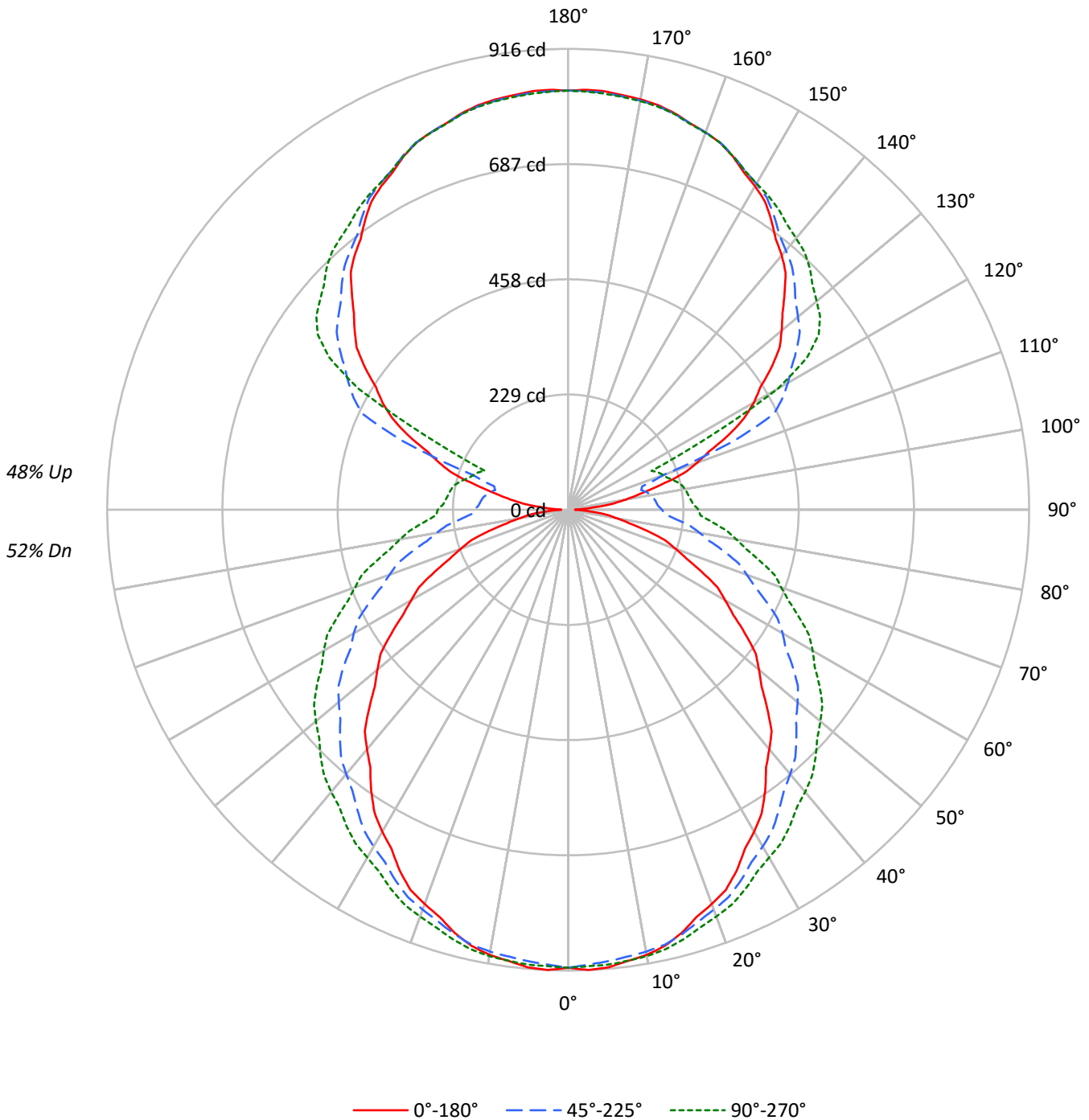
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331593-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P331593-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-D

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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 58 | 58 | 58 | 52 |
| 1 | 97 | 92 | 87 | 83 | 89 | 85 | 81 | 77 | 72 | 69 | 66 | 60 | 58 | 56 | 49 | 47 | 46 | 41 |
| 2 | 87 | 79 | 72 | 67 | 80 | 73 | 67 | 62 | 62 | 57 | 54 | 52 | 48 | 45 | 42 | 40 | 38 | 33 |
| 3 | 79 | 69 | 61 | 55 | 73 | 64 | 57 | 51 | 54 | 49 | 44 | 45 | 41 | 38 | 37 | 34 | 31 | 27 |
| 4 | 72 | 61 | 52 | 46 | 66 | 56 | 49 | 43 | 48 | 42 | 37 | 40 | 35 | 32 | 33 | 29 | 26 | 23 |
| 5 | 66 | 54 | 45 | 39 | 61 | 50 | 42 | 37 | 43 | 37 | 32 | 36 | 31 | 27 | 29 | 26 | 23 | 20 |
| 6 | 61 | 48 | 40 | 34 | 56 | 45 | 37 | 32 | 38 | 32 | 28 | 32 | 27 | 24 | 26 | 23 | 20 | 17 |
| 7 | 56 | 43 | 35 | 29 | 52 | 40 | 33 | 28 | 35 | 29 | 24 | 29 | 24 | 21 | 24 | 20 | 18 | 15 |
| 8 | 52 | 39 | 31 | 26 | 48 | 37 | 29 | 24 | 31 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 16 | 13 |
| 9 | 49 | 36 | 28 | 23 | 45 | 33 | 26 | 22 | 29 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 14 | 12 |
| 10 | 45 | 33 | 25 | 20 | 42 | 31 | 24 | 19 | 26 | 21 | 17 | 23 | 18 | 15 | 19 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 14699 | 14699 | 14699 |
| 5° | 14772 | 14150 | 14097 |
| 10° | 14679 | 13733 | 13578 |
| 15° | 14477 | 13289 | 13032 |
| 20° | 14222 | 12815 | 12506 |
| 25° | 13968 | 12358 | 12028 |
| 30° | 13612 | 11889 | 11549 |
| 35° | 13253 | 11434 | 11211 |
| 40° | 12874 | 11047 | 10874 |
| 45° | 12515 | 10702 | 10584 |
| 50° | 12128 | 10388 | 10300 |
| 55° | 11724 | 10052 | 10011 |
| 60° | 11226 | 9702 | 9705 |
| 65° | 10711 | 9294 | 9342 |
| 70° | 10136 | 8856 | 8949 |
| 75° | 9394 | 8423 | 8587 |
| 80° | 8224 | 7984 | 8220 |
| 85° | 7107 | 7603 | 7937 |



TEST NUMBER: P331593-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.3 | 1.5 |
| 10°-20° | 247.4 | 4.2 |
| 20°-30° | 374.9 | 6.3 |
| 30°-40° | 456.6 | 7.7 |
| 40°-50° | 491.2 | 8.3 |
| 50°-60° | 477.0 | 8.1 |
| 60°-70° | 416.5 | 7.0 |
| 70°-80° | 320.7 | 5.4 |
| 80°-90° | 217.3 | 3.7 |
| 90°-100° | 176.1 | 3.0 |
| 100°-110° | 210.2 | 3.6 |
| 110°-120° | 343.9 | 5.8 |
| 120°-130° | 489.5 | 8.3 |
| 130°-140° | 494.9 | 8.4 |
| 140°-150° | 447.3 | 7.6 |
| 150°-160° | 357.3 | 6.0 |
| 160°-170° | 230.3 | 3.9 |
| 170°-180° | 79.3 | 1.3 |
| 0°-30° | 708.5 | 12.0 |
| 0°-40° | 1165.2 | 19.7 |
| 0°-60° | 2133.4 | 36.1 |
| 0°-90° | 3087.9 | 52.2 |
| 90°-120° | 730.1 | 12.3 |
| 90°-150° | 2161.9 | 36.5 |
| 90°-180° | 2829.0 | 47.8 |
| 0°-180° | 5916.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 910 | 910 | 910 | 910 | 910 | |
| 5° | 913 | 909 | 901 | 909 | 908 | 87 |
| 15° | 871 | 873 | 874 | 885 | 884 | 245 |
| 25° | 792 | 801 | 813 | 828 | 833 | 364 |
| 35° | 682 | 705 | 730 | 758 | 768 | 426 |
| 45° | 560 | 596 | 641 | 681 | 695 | 432 |
| 55° | 429 | 478 | 545 | 591 | 610 | 383 |
| 65° | 293 | 358 | 435 | 488 | 507 | 291 |
| 75° | 162 | 237 | 321 | 375 | 394 | 172 |
| 85° | 48 | 129 | 214 | 267 | 288 | 51 |
| 90° | 14 | 97 | 186 | 240 | 259 | 11 |
| 95° | 50 | 94 | 175 | 226 | 244 | 56 |
| 105° | 190 | 238 | 150 | 201 | 220 | 203 |
| 115° | 352 | 379 | 451 | 223 | 183 | 346 |
| 125° | 493 | 503 | 554 | 593 | 608 | 440 |
| 135° | 608 | 618 | 636 | 668 | 679 | 470 |
| 145° | 703 | 703 | 713 | 725 | 729 | 440 |
| 155° | 775 | 770 | 776 | 779 | 775 | 357 |
| 165° | 816 | 813 | 814 | 818 | 814 | 230 |
| 175° | 835 | 831 | 832 | 835 | 830 | 79 |
| 180° | 833 | 833 | 833 | 833 | 833 | |



TEST NUMBER: P331593-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 |
| 2.5° | 915.8 | 915.1 | 914.3 | 913.6 | 912.9 | 911.7 | 910.1 | 908.4 | 906.8 | 905.2 | 906.4 |
| 5° | 913.1 | 912.2 | 911.4 | 910.4 | 909.6 | 908.3 | 906.5 | 904.7 | 903.0 | 901.2 | 903.0 |
| 7.5° | 904.9 | 904.3 | 903.7 | 903.2 | 902.6 | 901.6 | 900.3 | 898.9 | 897.6 | 896.2 | 898.3 |
| 10° | 898.6 | 898.0 | 897.4 | 896.8 | 896.2 | 895.5 | 894.7 | 893.7 | 892.9 | 892.0 | 894.3 |
| 12.5° | 888.0 | 888.1 | 888.3 | 888.4 | 888.5 | 888.2 | 887.6 | 886.9 | 886.3 | 885.6 | 888.0 |
| 15° | 870.9 | 871.5 | 872.0 | 872.6 | 873.2 | 873.5 | 873.5 | 873.5 | 873.5 | 873.5 | 876.2 |
| 17.5° | 848.7 | 850.0 | 851.2 | 852.4 | 853.6 | 854.7 | 855.7 | 856.6 | 857.6 | 858.5 | 861.3 |
| 20° | 834.0 | 835.4 | 836.9 | 838.4 | 839.8 | 841.1 | 842.3 | 843.4 | 844.6 | 845.8 | 849.0 |
| 22.5° | 818.1 | 819.8 | 821.5 | 823.2 | 824.9 | 826.6 | 828.2 | 829.8 | 831.5 | 833.1 | 836.4 |
| 25° | 791.7 | 793.8 | 795.8 | 797.9 | 800.0 | 802.3 | 804.9 | 807.5 | 810.2 | 812.8 | 816.3 |
| 27.5° | 760.0 | 763.4 | 766.7 | 770.1 | 773.4 | 776.6 | 779.7 | 782.8 | 785.9 | 789.1 | 793.5 |
| 30° | 738.9 | 742.7 | 746.6 | 750.4 | 754.1 | 758.0 | 761.8 | 765.6 | 769.4 | 773.3 | 777.9 |
| 32.5° | 715.7 | 720.0 | 724.3 | 728.6 | 732.8 | 737.2 | 741.8 | 746.2 | 750.8 | 755.3 | 760.7 |
| 35° | 682.2 | 687.2 | 692.2 | 697.2 | 702.1 | 707.4 | 713.0 | 718.5 | 724.1 | 729.7 | 736.2 |
| 37.5° | 645.8 | 651.5 | 657.3 | 663.0 | 668.7 | 675.2 | 682.4 | 689.7 | 696.9 | 704.1 | 711.3 |
| 40° | 621.5 | 627.9 | 634.4 | 640.8 | 647.3 | 654.4 | 662.4 | 670.3 | 678.2 | 686.1 | 693.8 |
| 42.5° | 598.3 | 604.7 | 611.1 | 617.6 | 624.1 | 631.8 | 640.9 | 650.1 | 659.1 | 668.2 | 676.5 |
| 45° | 559.5 | 567.4 | 575.3 | 583.2 | 591.2 | 600.2 | 610.5 | 620.8 | 631.0 | 641.3 | 650.4 |
| 47.5° | 521.2 | 529.9 | 538.5 | 547.1 | 555.7 | 566.0 | 578.1 | 590.0 | 602.1 | 614.1 | 623.6 |
| 50° | 494.8 | 503.9 | 513.0 | 522.1 | 531.2 | 542.3 | 555.5 | 568.7 | 581.9 | 595.1 | 605.1 |
| 52.5° | 469.5 | 479.1 | 488.6 | 498.2 | 507.7 | 519.4 | 533.3 | 547.3 | 561.1 | 575.1 | 585.2 |
| 55° | 428.9 | 439.4 | 450.0 | 460.5 | 471.1 | 484.0 | 499.2 | 514.4 | 529.7 | 544.9 | 555.5 |
| 57.5° | 388.7 | 400.6 | 412.5 | 424.5 | 436.4 | 450.0 | 465.6 | 481.1 | 496.7 | 512.2 | 523.6 |
| 60° | 360.2 | 372.8 | 385.5 | 398.0 | 410.7 | 425.3 | 442.0 | 458.7 | 475.4 | 492.1 | 503.3 |
| 62.5° | 334.9 | 347.9 | 361.0 | 374.1 | 387.2 | 402.1 | 418.8 | 435.5 | 452.3 | 469.0 | 480.8 |
| 65° | 292.9 | 307.3 | 321.7 | 336.0 | 350.4 | 366.3 | 383.6 | 400.8 | 418.1 | 435.4 | 447.5 |
| 67.5° | 254.4 | 269.4 | 284.4 | 299.5 | 314.4 | 330.8 | 348.5 | 366.3 | 383.9 | 401.7 | 413.8 |
| 70° | 227.0 | 242.2 | 257.4 | 272.7 | 287.9 | 304.6 | 322.9 | 341.0 | 359.2 | 377.4 | 389.9 |
| 72.5° | 201.6 | 217.3 | 233.1 | 248.7 | 264.5 | 281.5 | 300.0 | 318.4 | 336.8 | 355.2 | 367.6 |
| 75° | 162.3 | 178.7 | 195.1 | 211.5 | 228.0 | 245.6 | 264.3 | 283.1 | 301.9 | 320.6 | 333.2 |
| 77.5° | 124.3 | 141.5 | 158.7 | 175.8 | 193.0 | 211.1 | 230.2 | 249.3 | 268.3 | 287.4 | 300.0 |
| 80° | 98.9 | 116.8 | 134.7 | 152.7 | 170.5 | 189.0 | 208.0 | 227.1 | 246.2 | 265.2 | 277.5 |
| 82.5° | 77.8 | 95.5 | 113.1 | 130.8 | 148.4 | 166.9 | 186.2 | 205.5 | 224.8 | 244.1 | 256.4 |
| 85° | 47.5 | 65.7 | 83.9 | 102.0 | 120.2 | 138.7 | 157.5 | 176.2 | 195.0 | 213.8 | 226.1 |
| 87.5° | 26.0 | 43.7 | 61.6 | 79.3 | 97.0 | 115.5 | 134.4 | 153.4 | 172.4 | 191.4 | 203.5 |
| 90° | 13.8 | 32.3 | 50.8 | 69.2 | 87.7 | 106.9 | 126.7 | 146.5 | 166.4 | 186.2 | 198.6 |
| 92.5° | 24.3 | 40.0 | 55.7 | 71.4 | 87.1 | 104.3 | 122.9 | 141.5 | 160.1 | 178.7 | 190.5 |
| 95° | 49.8 | 59.1 | 68.4 | 77.8 | 87.2 | 101.2 | 119.7 | 138.2 | 156.7 | 175.2 | 187.1 |
| 97.5° | 87.0 | 86.8 | 86.6 | 86.4 | 86.2 | 95.7 | 114.7 | 133.7 | 152.8 | 171.9 | 183.2 |
| 100° | 115.9 | 108.4 | 100.9 | 93.4 | 85.9 | 91.5 | 110.2 | 128.9 | 147.6 | 166.3 | 178.2 |
| 102.5° | 146.7 | 152.7 | 158.8 | 164.8 | 170.8 | 172.3 | 169.2 | 166.1 | 163.0 | 159.9 | 171.9 |
| 105° | 189.9 | 202.3 | 214.9 | 227.4 | 240.0 | 235.5 | 214.2 | 192.9 | 171.6 | 150.2 | 162.0 |
| 107.5° | 240.6 | 250.6 | 260.6 | 270.7 | 280.8 | 271.1 | 241.9 | 212.7 | 183.4 | 154.1 | 162.5 |
| 110° | 272.3 | 280.9 | 289.6 | 298.3 | 307.0 | 299.2 | 274.8 | 250.5 | 226.2 | 201.8 | 197.8 |



TEST NUMBER: P331593-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 303.2 | 310.6 | 318.0 | 325.4 | 332.9 | 338.5 | 342.7 | 346.8 | 350.9 | 355.0 | 315.5 |
| 115° | 351.9 | 357.4 | 362.8 | 368.3 | 373.8 | 384.9 | 401.4 | 418.0 | 434.5 | 451.1 | 397.9 |
| 117.5° | 394.1 | 398.7 | 403.4 | 408.0 | 412.7 | 422.2 | 436.8 | 451.3 | 465.8 | 480.3 | 474.0 |
| 120° | 425.9 | 429.0 | 432.2 | 435.4 | 438.6 | 447.3 | 461.4 | 475.5 | 489.7 | 503.9 | 513.7 |
| 122.5° | 452.9 | 455.5 | 458.1 | 460.6 | 463.2 | 471.3 | 485.0 | 498.6 | 512.3 | 526.0 | 534.9 |
| 125° | 492.7 | 494.4 | 496.2 | 497.9 | 499.6 | 506.4 | 518.4 | 530.3 | 542.3 | 554.2 | 563.0 |
| 127.5° | 529.9 | 531.6 | 533.2 | 534.9 | 536.5 | 542.0 | 551.5 | 560.9 | 570.4 | 579.9 | 588.5 |
| 130° | 553.5 | 555.4 | 557.2 | 559.1 | 560.9 | 565.7 | 573.3 | 580.9 | 588.6 | 596.2 | 604.8 |
| 132.5° | 577.6 | 579.2 | 580.7 | 582.2 | 583.8 | 587.6 | 593.8 | 600.1 | 606.3 | 612.5 | 620.6 |
| 135° | 607.7 | 609.8 | 612.0 | 614.2 | 616.2 | 619.4 | 623.5 | 627.7 | 631.8 | 635.9 | 643.4 |
| 137.5° | 639.4 | 640.8 | 642.3 | 643.7 | 645.1 | 647.2 | 649.9 | 652.6 | 655.1 | 657.8 | 664.5 |
| 140° | 660.1 | 660.9 | 661.7 | 662.5 | 663.2 | 664.7 | 666.7 | 668.7 | 670.8 | 672.9 | 678.8 |
| 142.5° | 677.5 | 678.1 | 678.8 | 679.5 | 680.2 | 681.4 | 683.2 | 685.0 | 686.8 | 688.6 | 693.4 |
| 145° | 703.4 | 703.3 | 703.2 | 703.0 | 702.8 | 704.0 | 706.2 | 708.5 | 710.8 | 713.1 | 715.7 |
| 147.5° | 727.1 | 726.7 | 726.2 | 725.7 | 725.1 | 726.0 | 728.2 | 730.5 | 732.7 | 734.9 | 735.9 |
| 150° | 742.6 | 741.7 | 740.7 | 739.8 | 738.8 | 739.4 | 741.6 | 743.7 | 745.9 | 748.0 | 748.8 |
| 152.5° | 755.6 | 754.6 | 753.5 | 752.4 | 751.4 | 751.9 | 754.0 | 756.0 | 758.0 | 760.1 | 760.9 |
| 155° | 774.6 | 773.4 | 772.1 | 770.9 | 769.7 | 769.9 | 771.5 | 773.1 | 774.7 | 776.4 | 777.1 |
| 157.5° | 789.4 | 788.3 | 787.3 | 786.3 | 785.3 | 785.3 | 786.4 | 787.6 | 788.7 | 789.8 | 790.7 |
| 160° | 798.1 | 797.2 | 796.4 | 795.7 | 794.8 | 794.8 | 795.7 | 796.4 | 797.2 | 798.1 | 798.8 |
| 162.5° | 805.7 | 804.9 | 804.2 | 803.3 | 802.5 | 802.5 | 803.1 | 803.9 | 804.6 | 805.3 | 806.2 |
| 165° | 816.1 | 815.3 | 814.5 | 813.7 | 812.9 | 812.7 | 813.1 | 813.5 | 813.9 | 814.3 | 815.3 |
| 167.5° | 823.8 | 823.0 | 822.3 | 821.4 | 820.6 | 820.4 | 820.8 | 821.1 | 821.6 | 821.9 | 822.9 |
| 170° | 828.2 | 827.3 | 826.6 | 825.8 | 824.9 | 824.7 | 824.9 | 825.3 | 825.5 | 825.8 | 826.7 |
| 172.5° | 831.0 | 830.3 | 829.5 | 828.6 | 827.9 | 827.6 | 827.9 | 828.1 | 828.4 | 828.6 | 829.6 |
| 175° | 834.8 | 833.9 | 832.9 | 832.0 | 831.0 | 830.7 | 831.0 | 831.3 | 831.6 | 831.8 | 832.8 |
| 177.5° | 835.4 | 834.7 | 833.9 | 833.2 | 832.4 | 832.1 | 832.2 | 832.3 | 832.4 | 832.5 | 833.3 |
| 180° | 833.0 | 833.0 | 833.0 | 833.0 | 833.0 | 833.0 | 833.0 | 833.0 | 833.0 | 833.0 | 833.0 |



TEST NUMBER: P331593-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 |
| 2.5° | 907.5 | 908.7 | 909.9 | 910.2 | 909.7 | 909.3 | 908.8 | 908.4 |
| 5° | 904.7 | 906.5 | 908.3 | 909.0 | 908.7 | 908.4 | 908.1 | 907.8 |
| 7.5° | 900.4 | 902.6 | 904.7 | 905.6 | 905.3 | 905.0 | 904.7 | 904.4 |
| 10° | 896.6 | 899.1 | 901.4 | 902.4 | 902.1 | 901.8 | 901.6 | 901.2 |
| 12.5° | 890.4 | 892.7 | 895.0 | 896.0 | 895.8 | 895.4 | 895.2 | 894.9 |
| 15° | 878.8 | 881.4 | 884.1 | 885.3 | 884.9 | 884.7 | 884.3 | 884.1 |
| 17.5° | 864.0 | 866.8 | 869.5 | 870.9 | 870.9 | 870.9 | 870.9 | 870.9 |
| 20° | 852.2 | 855.5 | 858.7 | 860.3 | 860.3 | 860.3 | 860.3 | 860.3 |
| 22.5° | 839.6 | 842.8 | 846.0 | 847.9 | 848.3 | 848.9 | 849.3 | 849.8 |
| 25° | 819.8 | 823.4 | 826.9 | 829.1 | 830.0 | 830.9 | 831.7 | 832.6 |
| 27.5° | 798.0 | 802.5 | 806.9 | 809.4 | 810.1 | 810.7 | 811.4 | 812.0 |
| 30° | 782.6 | 787.3 | 792.0 | 794.8 | 795.7 | 796.5 | 797.5 | 798.3 |
| 32.5° | 766.1 | 771.5 | 776.9 | 780.3 | 782.0 | 783.5 | 785.1 | 786.7 |
| 35° | 742.6 | 749.1 | 755.5 | 759.7 | 761.8 | 763.9 | 765.9 | 767.9 |
| 37.5° | 718.4 | 725.6 | 732.7 | 737.4 | 739.5 | 741.8 | 743.9 | 746.1 |
| 40° | 701.4 | 709.0 | 716.6 | 721.8 | 724.4 | 727.0 | 729.7 | 732.4 |
| 42.5° | 684.8 | 693.2 | 701.5 | 707.0 | 709.6 | 712.3 | 714.9 | 717.6 |
| 45° | 659.4 | 668.6 | 677.6 | 683.6 | 686.6 | 689.5 | 692.4 | 695.3 |
| 47.5° | 633.1 | 642.6 | 652.1 | 658.5 | 661.7 | 665.0 | 668.1 | 671.4 |
| 50° | 615.0 | 625.0 | 635.0 | 641.6 | 644.8 | 648.0 | 651.3 | 654.4 |
| 52.5° | 595.5 | 605.6 | 615.9 | 622.7 | 626.1 | 629.6 | 633.1 | 636.5 |
| 55° | 566.1 | 576.6 | 587.2 | 594.3 | 598.1 | 602.0 | 605.8 | 609.6 |
| 57.5° | 535.0 | 546.4 | 557.8 | 565.3 | 569.2 | 573.1 | 577.0 | 580.8 |
| 60° | 514.4 | 525.6 | 536.7 | 544.4 | 548.5 | 552.6 | 556.7 | 560.8 |
| 62.5° | 492.7 | 504.5 | 516.3 | 524.2 | 528.1 | 531.9 | 535.8 | 539.7 |
| 65° | 459.5 | 471.5 | 483.5 | 491.5 | 495.2 | 499.0 | 502.9 | 506.7 |
| 67.5° | 425.9 | 438.1 | 450.2 | 458.3 | 462.3 | 466.2 | 470.3 | 474.2 |
| 70° | 402.6 | 415.2 | 427.8 | 435.8 | 439.4 | 442.9 | 446.4 | 450.0 |
| 72.5° | 380.0 | 392.4 | 404.7 | 413.0 | 417.2 | 421.5 | 425.7 | 429.9 |
| 75° | 345.9 | 358.4 | 371.1 | 379.3 | 383.1 | 386.9 | 390.7 | 394.5 |
| 77.5° | 312.5 | 325.0 | 337.6 | 345.9 | 350.0 | 354.1 | 358.3 | 362.3 |
| 80° | 289.8 | 302.2 | 314.5 | 322.7 | 326.8 | 330.9 | 335.0 | 339.1 |
| 82.5° | 268.7 | 281.0 | 293.3 | 301.4 | 305.3 | 309.2 | 313.1 | 316.9 |
| 85° | 238.4 | 250.7 | 263.0 | 271.2 | 275.3 | 279.5 | 283.5 | 287.7 |
| 87.5° | 215.6 | 227.6 | 239.8 | 247.7 | 251.5 | 255.3 | 259.2 | 262.9 |
| 90° | 211.0 | 223.4 | 235.8 | 243.9 | 247.7 | 251.5 | 255.3 | 259.1 |
| 92.5° | 202.3 | 214.2 | 226.0 | 233.8 | 237.5 | 241.2 | 244.9 | 248.5 |
| 95° | 198.9 | 210.7 | 222.5 | 230.1 | 233.5 | 236.9 | 240.2 | 243.7 |
| 97.5° | 194.7 | 206.0 | 217.4 | 224.9 | 228.5 | 232.1 | 235.7 | 239.4 |
| 100° | 190.1 | 202.1 | 214.0 | 221.7 | 225.2 | 228.7 | 232.2 | 235.7 |
| 102.5° | 183.9 | 195.9 | 207.9 | 215.7 | 219.3 | 222.9 | 226.5 | 230.1 |
| 105° | 173.7 | 185.5 | 197.2 | 204.9 | 208.7 | 212.5 | 216.2 | 220.0 |
| 107.5° | 170.8 | 179.2 | 187.5 | 193.6 | 197.3 | 201.1 | 204.9 | 208.6 |
| 110° | 193.8 | 189.8 | 185.7 | 185.6 | 189.4 | 193.1 | 196.9 | 200.7 |



TEST NUMBER: P331593-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 276.0 | 236.5 | 197.1 | 179.2 | 182.8 | 186.5 | 190.1 | 193.8 |
| 115° | 344.7 | 291.4 | 238.2 | 208.4 | 202.0 | 195.5 | 189.1 | 182.7 |
| 117.5° | 467.6 | 461.3 | 455.0 | 437.5 | 408.8 | 380.0 | 351.4 | 322.7 |
| 120° | 523.5 | 533.3 | 543.1 | 540.6 | 525.7 | 510.8 | 496.0 | 481.1 |
| 122.5° | 543.8 | 552.8 | 561.7 | 565.8 | 565.1 | 564.3 | 563.5 | 562.7 |
| 125° | 571.9 | 580.7 | 589.6 | 595.6 | 598.6 | 601.7 | 604.7 | 607.7 |
| 127.5° | 597.2 | 605.8 | 614.4 | 620.1 | 622.8 | 625.4 | 628.1 | 630.8 |
| 130° | 613.2 | 621.7 | 630.3 | 635.6 | 637.8 | 640.1 | 642.2 | 644.5 |
| 132.5° | 628.7 | 636.7 | 644.8 | 650.0 | 652.1 | 654.4 | 656.6 | 658.8 |
| 135° | 650.9 | 658.4 | 665.9 | 670.7 | 672.8 | 674.9 | 676.9 | 679.1 |
| 137.5° | 671.2 | 678.0 | 684.7 | 688.8 | 690.3 | 691.9 | 693.4 | 694.9 |
| 140° | 684.7 | 690.6 | 696.5 | 700.0 | 701.0 | 702.1 | 703.3 | 704.3 |
| 142.5° | 698.4 | 703.2 | 708.0 | 710.8 | 711.7 | 712.6 | 713.4 | 714.3 |
| 145° | 718.4 | 721.2 | 723.8 | 725.6 | 726.3 | 727.2 | 728.0 | 728.8 |
| 147.5° | 736.8 | 737.8 | 738.7 | 739.3 | 739.4 | 739.5 | 739.7 | 739.8 |
| 150° | 749.6 | 750.4 | 751.2 | 751.3 | 750.6 | 749.9 | 749.2 | 748.6 |
| 152.5° | 761.6 | 762.5 | 763.3 | 763.3 | 762.3 | 761.5 | 760.6 | 759.7 |
| 155° | 777.9 | 778.8 | 779.5 | 779.4 | 778.3 | 777.3 | 776.2 | 775.2 |
| 157.5° | 791.7 | 792.6 | 793.5 | 793.4 | 792.4 | 791.3 | 790.3 | 789.2 |
| 160° | 799.6 | 800.5 | 801.2 | 801.2 | 800.2 | 799.3 | 798.4 | 797.5 |
| 162.5° | 807.1 | 808.0 | 808.9 | 808.8 | 807.6 | 806.5 | 805.3 | 804.2 |
| 165° | 816.2 | 817.1 | 818.0 | 818.0 | 817.1 | 816.2 | 815.3 | 814.3 |
| 167.5° | 823.8 | 824.8 | 825.6 | 825.5 | 824.3 | 823.1 | 821.9 | 820.7 |
| 170° | 827.7 | 828.5 | 829.5 | 829.4 | 828.2 | 827.0 | 825.8 | 824.6 |
| 172.5° | 830.5 | 831.5 | 832.4 | 832.2 | 831.0 | 829.8 | 828.6 | 827.4 |
| 175° | 833.7 | 834.6 | 835.5 | 835.3 | 834.0 | 832.7 | 831.3 | 830.0 |
| 177.5° | 834.1 | 834.7 | 835.5 | 835.4 | 834.5 | 833.4 | 832.5 | 831.6 |
| 180° | 833.0 | 833.0 | 833.0 | 833.0 | 833.0 | 833.0 | 833.0 | 833.0 |

(END OF REPORT)