

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: P331542-927

Luminaire Tested: **S122DIW-S675D970U927-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331542-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S675D970U927-4F0-1E-UDD-F1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4802.2 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.3
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

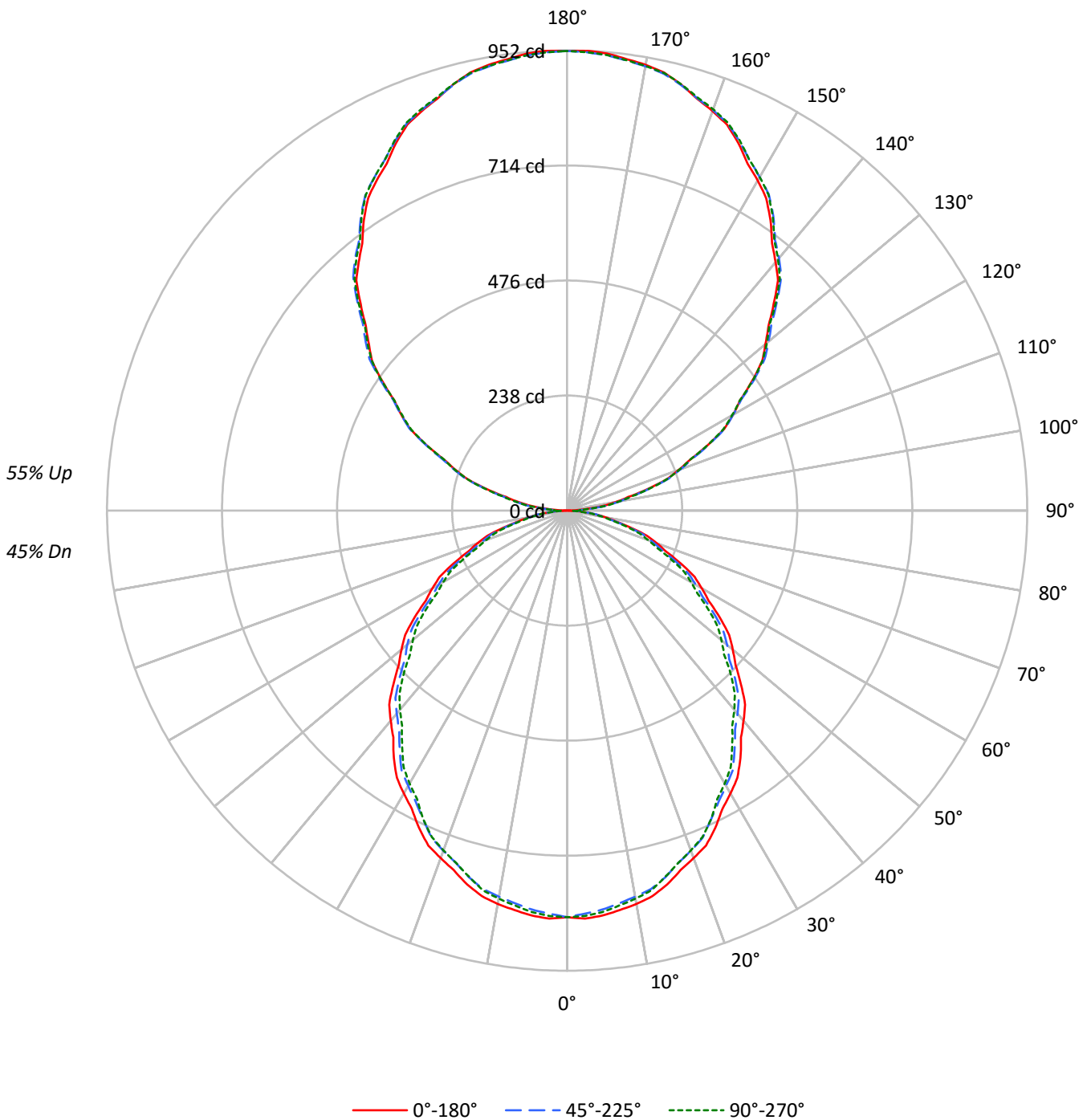
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331542-927

CATALOG NUMBER: S122DIW-S675D970U927-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P331542-927

CATALOG NUMBER: S122DIW-S675D970U927-4F0-1E-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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 45 |
| 1 | 97 | 92 | 88 | 85 | 88 | 85 | 81 | 78 | 70 | 68 | 66 | 57 | 56 | 54 | 45 | 44 | 43 | 38 |
| 2 | 88 | 81 | 74 | 69 | 80 | 74 | 69 | 64 | 62 | 58 | 55 | 50 | 48 | 45 | 40 | 38 | 36 | 31 |
| 3 | 80 | 71 | 64 | 58 | 73 | 65 | 59 | 54 | 54 | 50 | 46 | 44 | 41 | 38 | 35 | 33 | 31 | 27 |
| 4 | 73 | 63 | 55 | 49 | 67 | 58 | 51 | 45 | 48 | 43 | 39 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 44 | 39 | 43 | 38 | 34 | 36 | 32 | 28 | 28 | 26 | 23 | 20 |
| 6 | 62 | 50 | 42 | 36 | 57 | 46 | 39 | 34 | 39 | 33 | 29 | 32 | 28 | 25 | 26 | 23 | 20 | 17 |
| 7 | 57 | 45 | 37 | 32 | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 24 | 20 | 18 | 15 |
| 8 | 53 | 41 | 33 | 28 | 49 | 38 | 31 | 26 | 32 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 16 | 14 |
| 9 | 49 | 37 | 30 | 25 | 45 | 35 | 28 | 23 | 29 | 24 | 20 | 25 | 20 | 18 | 20 | 17 | 15 | 13 |
| 10 | 46 | 34 | 27 | 22 | 42 | 32 | 25 | 21 | 27 | 22 | 18 | 23 | 19 | 16 | 18 | 16 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 13580 | 13580 | 13580 |
| 5° | 13632 | 13434 | 13514 |
| 10° | 13550 | 13298 | 13365 |
| 15° | 13382 | 13125 | 13112 |
| 20° | 13144 | 12866 | 12854 |
| 25° | 12909 | 12549 | 12549 |
| 30° | 12603 | 12258 | 12152 |
| 35° | 12321 | 11907 | 11732 |
| 40° | 11965 | 11556 | 11335 |
| 45° | 11615 | 11209 | 10930 |
| 50° | 11233 | 10846 | 10462 |
| 55° | 10835 | 10427 | 10038 |
| 60° | 10395 | 9923 | 9558 |
| 65° | 9918 | 9425 | 8993 |
| 70° | 9314 | 8818 | 8398 |
| 75° | 8478 | 8122 | 7923 |
| 80° | 7522 | 7290 | 6918 |
| 85° | 6150 | 5835 | 5243 |



TEST NUMBER: P331542-927

CATALOG NUMBER: S122DIW-S675D970U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.1 | 1.6 |
| 10°-20° | 222.5 | 4.6 |
| 20°-30° | 327.1 | 6.8 |
| 30°-40° | 379.9 | 7.9 |
| 40°-50° | 379.5 | 7.9 |
| 50°-60° | 331.0 | 6.9 |
| 60°-70° | 244.7 | 5.1 |
| 70°-80° | 138.6 | 2.9 |
| 80°-90° | 41.1 | 0.9 |
| 90°-100° | 60.2 | 1.3 |
| 100°-110° | 187.1 | 3.9 |
| 110°-120° | 319.9 | 6.7 |
| 120°-130° | 420.6 | 8.8 |
| 130°-140° | 472.1 | 9.8 |
| 140°-150° | 462.9 | 9.6 |
| 150°-160° | 388.3 | 8.1 |
| 160°-170° | 257.5 | 5.4 |
| 170°-180° | 90.0 | 1.9 |
| 0°-30° | 628.7 | 13.1 |
| 0°-40° | 1008.6 | 21.0 |
| 0°-60° | 1719.1 | 35.8 |
| 0°-90° | 2143.6 | 44.6 |
| 90°-120° | 567.2 | 11.8 |
| 90°-150° | 1922.8 | 40.0 |
| 90°-180° | 2659.0 | 55.4 |
| 0°-180° | 4802.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 841 | 841 | 841 | 841 | 841 | |
| 5° | 841 | 838 | 829 | 835 | 834 | 80 |
| 15° | 801 | 795 | 785 | 788 | 784 | 225 |
| 25° | 725 | 718 | 704 | 706 | 704 | 333 |
| 35° | 625 | 617 | 604 | 599 | 595 | 390 |
| 45° | 509 | 503 | 491 | 482 | 479 | 392 |
| 55° | 385 | 380 | 370 | 361 | 357 | 344 |
| 65° | 260 | 254 | 247 | 240 | 235 | 257 |
| 75° | 136 | 134 | 130 | 126 | 127 | 145 |
| 85° | 33 | 32 | 32 | 29 | 28 | 38 |
| 90° | 1 | 11 | 28 | 27 | 27 | 4 |
| 95° | 42 | 49 | 51 | 51 | 50 | 48 |
| 105° | 172 | 175 | 176 | 178 | 178 | 182 |
| 115° | 321 | 325 | 324 | 323 | 321 | 317 |
| 125° | 467 | 474 | 472 | 470 | 469 | 417 |
| 135° | 604 | 613 | 615 | 614 | 611 | 467 |
| 145° | 733 | 739 | 744 | 744 | 741 | 458 |
| 155° | 838 | 841 | 843 | 847 | 845 | 386 |
| 165° | 912 | 912 | 912 | 917 | 913 | 257 |
| 175° | 949 | 947 | 945 | 950 | 946 | 90 |
| 180° | 951 | 951 | 951 | 951 | 951 | |



TEST NUMBER: P331542-927

CATALOG NUMBER: S122DIW-S675D970U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 |
| 2.5° | 844.9 | 844.2 | 843.5 | 842.8 | 842.1 | 840.9 | 839.3 | 837.7 | 836.1 | 834.6 | 836.0 |
| 5° | 841.1 | 840.3 | 839.6 | 838.9 | 838.2 | 836.9 | 834.9 | 832.9 | 830.9 | 828.9 | 830.4 |
| 7.5° | 833.6 | 832.5 | 831.4 | 830.3 | 829.2 | 827.6 | 825.6 | 823.6 | 821.6 | 819.5 | 820.9 |
| 10° | 826.5 | 825.2 | 823.9 | 822.7 | 821.5 | 819.8 | 817.6 | 815.5 | 813.3 | 811.1 | 812.5 |
| 12.5° | 816.8 | 815.7 | 814.5 | 813.4 | 812.3 | 810.7 | 808.5 | 806.4 | 804.2 | 802.1 | 803.1 |
| 15° | 800.6 | 799.5 | 798.4 | 797.4 | 796.3 | 794.6 | 792.3 | 789.9 | 787.6 | 785.2 | 786.0 |
| 17.5° | 779.9 | 778.8 | 777.8 | 776.7 | 775.6 | 773.9 | 771.5 | 769.1 | 766.8 | 764.4 | 765.2 |
| 20° | 765.0 | 764.0 | 762.9 | 761.8 | 760.7 | 758.9 | 756.4 | 753.9 | 751.4 | 748.8 | 749.4 |
| 22.5° | 750.1 | 748.6 | 747.1 | 745.6 | 744.1 | 742.2 | 739.8 | 737.4 | 735.1 | 732.7 | 732.8 |
| 25° | 724.6 | 723.2 | 721.8 | 720.3 | 718.8 | 716.6 | 713.5 | 710.5 | 707.4 | 704.4 | 704.7 |
| 27.5° | 695.5 | 694.2 | 692.9 | 691.6 | 690.3 | 688.5 | 686.0 | 683.7 | 681.2 | 678.8 | 678.3 |
| 30° | 676.0 | 674.6 | 673.2 | 671.8 | 670.3 | 668.3 | 665.6 | 662.9 | 660.2 | 657.5 | 657.0 |
| 32.5° | 655.4 | 654.2 | 653.1 | 651.9 | 650.8 | 648.8 | 645.9 | 643.1 | 640.2 | 637.4 | 636.4 |
| 35° | 625.1 | 623.4 | 621.5 | 619.7 | 617.9 | 615.6 | 612.8 | 609.8 | 607.0 | 604.1 | 603.0 |
| 37.5° | 591.0 | 589.4 | 587.8 | 586.2 | 584.7 | 582.4 | 579.6 | 576.7 | 573.9 | 570.9 | 569.6 |
| 40° | 567.7 | 566.3 | 564.8 | 563.4 | 562.0 | 559.8 | 556.9 | 554.1 | 551.2 | 548.3 | 546.7 |
| 42.5° | 545.1 | 543.6 | 542.2 | 540.7 | 539.3 | 537.2 | 534.2 | 531.4 | 528.5 | 525.7 | 523.9 |
| 45° | 508.7 | 507.4 | 506.1 | 504.9 | 503.7 | 501.7 | 499.0 | 496.3 | 493.6 | 490.9 | 488.9 |
| 47.5° | 472.5 | 471.3 | 470.1 | 468.9 | 467.7 | 465.7 | 462.9 | 460.1 | 457.3 | 454.5 | 452.4 |
| 50° | 447.2 | 446.3 | 445.4 | 444.5 | 443.6 | 441.9 | 439.4 | 436.9 | 434.4 | 431.8 | 429.4 |
| 52.5° | 422.6 | 421.4 | 420.3 | 419.1 | 417.9 | 416.1 | 413.8 | 411.4 | 409.0 | 406.6 | 404.6 |
| 55° | 384.9 | 383.9 | 382.8 | 381.7 | 380.6 | 379.0 | 376.8 | 374.7 | 372.6 | 370.4 | 368.2 |
| 57.5° | 347.1 | 346.3 | 345.4 | 344.5 | 343.6 | 342.1 | 339.7 | 337.3 | 334.9 | 332.6 | 330.4 |
| 60° | 321.9 | 321.2 | 320.4 | 319.7 | 319.0 | 317.3 | 314.9 | 312.4 | 309.8 | 307.3 | 305.3 |
| 62.5° | 297.3 | 296.1 | 295.0 | 293.8 | 292.7 | 291.1 | 289.2 | 287.2 | 285.3 | 283.4 | 281.5 |
| 65° | 259.6 | 258.5 | 257.5 | 256.4 | 255.2 | 253.8 | 252.1 | 250.3 | 248.4 | 246.7 | 245.0 |
| 67.5° | 221.3 | 220.4 | 219.5 | 218.6 | 217.8 | 216.6 | 214.9 | 213.3 | 211.8 | 210.1 | 208.8 |
| 70° | 197.3 | 196.6 | 195.9 | 195.2 | 194.5 | 193.3 | 191.6 | 190.0 | 188.5 | 186.8 | 185.5 |
| 72.5° | 172.8 | 172.0 | 171.3 | 170.6 | 169.8 | 169.0 | 167.9 | 166.9 | 165.9 | 164.8 | 163.6 |
| 75° | 135.9 | 135.5 | 135.1 | 134.8 | 134.4 | 133.8 | 132.9 | 132.0 | 131.1 | 130.2 | 129.1 |
| 77.5° | 102.9 | 102.3 | 101.6 | 101.0 | 100.4 | 100.0 | 99.6 | 99.2 | 98.9 | 98.5 | 98.0 |
| 80° | 80.9 | 80.7 | 80.5 | 80.3 | 80.2 | 79.9 | 79.5 | 79.1 | 78.8 | 78.4 | 77.9 |
| 82.5° | 60.2 | 60.1 | 60.1 | 60.0 | 60.0 | 59.9 | 59.7 | 59.5 | 59.3 | 59.0 | 58.4 |
| 85° | 33.2 | 33.0 | 32.8 | 32.6 | 32.4 | 32.2 | 32.1 | 31.9 | 31.7 | 31.5 | 31.0 |
| 87.5° | 11.8 | 12.0 | 12.1 | 12.2 | 12.4 | 12.7 | 13.2 | 13.7 | 14.2 | 14.7 | 14.2 |
| 90° | 0.8 | 2.9 | 5.1 | 7.2 | 9.3 | 12.4 | 16.3 | 20.2 | 24.2 | 28.0 | 27.7 |
| 92.5° | 14.3 | 15.8 | 17.4 | 19.0 | 20.6 | 21.8 | 22.7 | 23.7 | 24.6 | 25.5 | 25.6 |
| 95° | 41.7 | 43.5 | 45.3 | 47.1 | 48.9 | 49.9 | 50.3 | 50.6 | 51.0 | 51.3 | 51.3 |
| 97.5° | 76.2 | 77.8 | 79.4 | 81.0 | 82.5 | 83.7 | 84.3 | 85.0 | 85.6 | 86.3 | 86.3 |
| 100° | 101.9 | 103.3 | 104.7 | 106.2 | 107.6 | 108.6 | 109.1 | 109.6 | 110.2 | 110.7 | 110.7 |
| 102.5° | 128.9 | 130.0 | 131.1 | 132.3 | 133.4 | 134.4 | 135.0 | 135.7 | 136.3 | 137.0 | 137.2 |
| 105° | 172.5 | 173.0 | 173.6 | 174.1 | 174.7 | 175.1 | 175.5 | 175.8 | 176.2 | 176.5 | 176.9 |
| 107.5° | 216.5 | 217.3 | 218.0 | 218.8 | 219.6 | 220.0 | 220.0 | 220.0 | 220.0 | 220.0 | 220.1 |
| 110° | 244.7 | 245.8 | 246.8 | 248.0 | 249.0 | 249.5 | 249.5 | 249.5 | 249.5 | 249.5 | 249.5 |



TEST NUMBER: P331542-927

CATALOG NUMBER: S122DIW-S675D970U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 275.5 | 276.6 | 277.7 | 278.8 | 279.8 | 280.3 | 280.1 | 280.0 | 279.9 | 279.7 | 279.2 |
| 115° | 320.9 | 322.0 | 323.1 | 324.2 | 325.2 | 325.6 | 325.2 | 324.9 | 324.5 | 324.2 | 324.0 |
| 117.5° | 366.2 | 367.7 | 369.1 | 370.5 | 371.9 | 372.1 | 371.1 | 370.1 | 369.2 | 368.1 | 367.7 |
| 120° | 396.4 | 397.8 | 399.3 | 400.7 | 402.1 | 402.1 | 400.7 | 399.3 | 397.8 | 396.4 | 396.4 |
| 122.5° | 424.0 | 425.7 | 427.4 | 429.1 | 430.8 | 431.2 | 430.2 | 429.2 | 428.2 | 427.1 | 426.7 |
| 125° | 467.0 | 468.6 | 470.2 | 471.8 | 473.4 | 474.0 | 473.4 | 472.9 | 472.3 | 471.8 | 471.3 |
| 127.5° | 508.9 | 510.9 | 512.9 | 515.0 | 517.0 | 517.7 | 517.1 | 516.4 | 515.8 | 515.2 | 514.4 |
| 130° | 535.2 | 537.5 | 539.8 | 542.2 | 544.5 | 545.4 | 545.1 | 544.7 | 544.4 | 544.0 | 543.7 |
| 132.5° | 564.7 | 566.6 | 568.5 | 570.4 | 572.3 | 573.2 | 573.3 | 573.4 | 573.5 | 573.5 | 572.7 |
| 135° | 604.2 | 606.2 | 608.1 | 610.1 | 612.0 | 613.1 | 613.5 | 613.9 | 614.3 | 614.6 | 614.4 |
| 137.5° | 645.7 | 647.4 | 649.0 | 650.5 | 652.1 | 653.2 | 653.6 | 654.1 | 654.6 | 655.1 | 654.9 |
| 140° | 670.7 | 672.4 | 674.0 | 675.6 | 677.2 | 678.4 | 679.4 | 680.2 | 681.1 | 682.0 | 682.0 |
| 142.5° | 696.5 | 698.1 | 699.7 | 701.2 | 702.9 | 704.0 | 704.6 | 705.2 | 705.8 | 706.4 | 706.5 |
| 145° | 733.3 | 734.6 | 735.9 | 737.1 | 738.4 | 739.5 | 740.6 | 741.6 | 742.8 | 743.8 | 743.9 |
| 147.5° | 766.3 | 767.8 | 769.3 | 770.7 | 772.2 | 773.3 | 774.0 | 774.8 | 775.5 | 776.2 | 776.6 |
| 150° | 788.7 | 789.8 | 790.8 | 791.9 | 793.0 | 793.9 | 794.6 | 795.4 | 796.1 | 796.8 | 797.3 |
| 152.5° | 808.7 | 809.7 | 810.8 | 811.8 | 812.9 | 813.9 | 814.8 | 815.6 | 816.4 | 817.3 | 817.9 |
| 155° | 838.4 | 839.0 | 839.6 | 840.1 | 840.6 | 841.1 | 841.7 | 842.2 | 842.7 | 843.3 | 844.1 |
| 157.5° | 864.0 | 864.4 | 864.7 | 865.1 | 865.4 | 865.8 | 866.1 | 866.4 | 866.7 | 867.0 | 868.2 |
| 160° | 879.4 | 879.7 | 880.1 | 880.4 | 880.8 | 881.1 | 881.3 | 881.5 | 881.6 | 881.8 | 882.9 |
| 162.5° | 893.5 | 893.6 | 893.7 | 893.7 | 893.8 | 893.9 | 894.1 | 894.3 | 894.5 | 894.6 | 895.9 |
| 165° | 912.3 | 912.1 | 912.0 | 911.7 | 911.6 | 911.5 | 911.5 | 911.5 | 911.5 | 911.5 | 912.8 |
| 167.5° | 928.0 | 927.5 | 926.9 | 926.4 | 925.9 | 925.6 | 925.6 | 925.5 | 925.5 | 925.4 | 926.7 |
| 170° | 936.4 | 935.8 | 935.3 | 934.8 | 934.2 | 933.9 | 933.7 | 933.5 | 933.3 | 933.2 | 934.4 |
| 172.5° | 942.1 | 941.6 | 941.0 | 940.6 | 940.0 | 939.6 | 939.4 | 939.3 | 939.1 | 938.9 | 940.2 |
| 175° | 949.2 | 948.6 | 948.2 | 947.6 | 947.1 | 946.6 | 946.3 | 945.9 | 945.5 | 945.2 | 946.4 |
| 177.5° | 952.1 | 951.6 | 951.3 | 950.8 | 950.4 | 950.0 | 949.7 | 949.4 | 949.2 | 948.9 | 949.7 |
| 180° | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 |



TEST NUMBER: P331542-927

CATALOG NUMBER: S122DIW-S675D970U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 |
| 2.5° | 837.4 | 838.9 | 840.3 | 840.9 | 840.6 | 840.3 | 840.0 | 839.8 |
| 5° | 831.8 | 833.2 | 834.6 | 835.2 | 834.9 | 834.5 | 834.2 | 833.8 |
| 7.5° | 822.4 | 823.9 | 825.3 | 825.8 | 825.4 | 825.1 | 824.7 | 824.3 |
| 10° | 814.0 | 815.5 | 816.9 | 817.3 | 816.8 | 816.3 | 815.7 | 815.2 |
| 12.5° | 804.1 | 805.1 | 806.1 | 806.4 | 806.0 | 805.6 | 805.3 | 804.9 |
| 15° | 786.7 | 787.4 | 788.1 | 788.1 | 787.1 | 786.2 | 785.4 | 784.4 |
| 17.5° | 766.0 | 766.8 | 767.7 | 767.7 | 766.8 | 766.0 | 765.1 | 764.2 |
| 20° | 750.0 | 750.5 | 751.0 | 750.9 | 750.2 | 749.5 | 748.8 | 748.1 |
| 22.5° | 732.9 | 733.0 | 733.1 | 732.9 | 732.5 | 732.1 | 731.7 | 731.3 |
| 25° | 705.1 | 705.4 | 705.8 | 705.8 | 705.4 | 705.1 | 704.7 | 704.4 |
| 27.5° | 677.7 | 677.2 | 676.7 | 676.0 | 675.1 | 674.2 | 673.4 | 672.5 |
| 30° | 656.4 | 655.8 | 655.3 | 654.7 | 653.9 | 653.2 | 652.5 | 651.8 |
| 32.5° | 635.5 | 634.5 | 633.5 | 632.7 | 632.0 | 631.3 | 630.5 | 629.8 |
| 35° | 602.0 | 600.9 | 599.8 | 598.8 | 597.9 | 597.0 | 596.1 | 595.2 |
| 37.5° | 568.3 | 567.0 | 565.6 | 564.5 | 563.6 | 562.8 | 562.0 | 561.1 |
| 40° | 545.1 | 543.4 | 541.9 | 540.7 | 540.0 | 539.2 | 538.5 | 537.8 |
| 42.5° | 522.1 | 520.4 | 518.6 | 517.2 | 516.2 | 515.2 | 514.2 | 513.2 |
| 45° | 487.0 | 485.0 | 483.0 | 481.6 | 480.9 | 480.2 | 479.5 | 478.7 |
| 47.5° | 450.4 | 448.2 | 446.2 | 444.6 | 443.5 | 442.5 | 441.5 | 440.5 |
| 50° | 426.8 | 424.3 | 421.8 | 420.1 | 419.1 | 418.3 | 417.4 | 416.5 |
| 52.5° | 402.4 | 400.4 | 398.3 | 396.6 | 395.5 | 394.3 | 393.1 | 391.9 |
| 55° | 366.1 | 363.9 | 361.8 | 360.2 | 359.3 | 358.5 | 357.5 | 356.6 |
| 57.5° | 328.3 | 326.1 | 324.1 | 322.7 | 321.9 | 321.3 | 320.6 | 319.9 |
| 60° | 303.3 | 301.3 | 299.4 | 298.2 | 297.6 | 297.1 | 296.5 | 296.0 |
| 62.5° | 279.7 | 277.9 | 276.1 | 274.8 | 274.1 | 273.4 | 272.7 | 272.0 |
| 65° | 243.4 | 241.8 | 240.2 | 238.9 | 238.1 | 237.1 | 236.2 | 235.4 |
| 67.5° | 207.6 | 206.4 | 205.1 | 204.1 | 203.4 | 202.6 | 201.9 | 201.2 |
| 70° | 184.3 | 183.1 | 181.8 | 180.8 | 180.1 | 179.4 | 178.6 | 177.9 |
| 72.5° | 162.3 | 161.1 | 159.8 | 158.8 | 158.3 | 157.7 | 157.2 | 156.5 |
| 75° | 128.0 | 127.0 | 125.9 | 125.6 | 125.9 | 126.3 | 126.6 | 127.0 |
| 77.5° | 97.4 | 96.9 | 96.3 | 95.9 | 95.3 | 94.8 | 94.3 | 93.8 |
| 80° | 77.4 | 76.8 | 76.3 | 75.8 | 75.5 | 75.1 | 74.8 | 74.4 |
| 82.5° | 57.7 | 57.0 | 56.3 | 55.9 | 55.8 | 55.8 | 55.7 | 55.6 |
| 85° | 30.5 | 29.9 | 29.4 | 29.0 | 28.8 | 28.7 | 28.5 | 28.3 |
| 87.5° | 13.7 | 13.2 | 12.7 | 12.4 | 12.3 | 12.1 | 12.0 | 12.0 |
| 90° | 27.3 | 27.0 | 26.6 | 26.5 | 26.8 | 26.9 | 27.1 | 27.3 |
| 92.5° | 25.7 | 25.7 | 25.8 | 25.8 | 25.9 | 25.9 | 26.0 | 26.0 |
| 95° | 51.3 | 51.3 | 51.3 | 51.2 | 50.8 | 50.5 | 50.1 | 49.7 |
| 97.5° | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.2 | 86.2 |
| 100° | 110.7 | 110.7 | 110.7 | 110.7 | 110.4 | 110.3 | 110.1 | 110.0 |
| 102.5° | 137.4 | 137.4 | 137.6 | 137.6 | 137.4 | 137.2 | 137.0 | 136.9 |
| 105° | 177.2 | 177.6 | 177.9 | 178.2 | 178.2 | 178.2 | 178.2 | 178.2 |
| 107.5° | 220.3 | 220.5 | 220.5 | 220.2 | 219.4 | 218.6 | 217.8 | 217.0 |
| 110° | 249.5 | 249.5 | 249.5 | 249.3 | 248.7 | 248.2 | 247.6 | 247.2 |



TEST NUMBER: P331542-927

CATALOG NUMBER: S122DIW-S675D970U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 278.8 | 278.5 | 278.0 | 277.6 | 277.2 | 276.8 | 276.4 | 276.0 |
| 115° | 323.8 | 323.6 | 323.4 | 323.1 | 322.6 | 322.0 | 321.5 | 320.9 |
| 117.5° | 367.3 | 366.9 | 366.4 | 365.9 | 365.4 | 364.9 | 364.3 | 363.8 |
| 120° | 396.4 | 396.4 | 396.4 | 396.1 | 395.5 | 395.1 | 394.5 | 394.0 |
| 122.5° | 426.4 | 425.9 | 425.5 | 425.1 | 424.7 | 424.3 | 423.9 | 423.5 |
| 125° | 470.7 | 470.2 | 469.7 | 469.3 | 469.1 | 469.0 | 468.7 | 468.6 |
| 127.5° | 513.8 | 513.2 | 512.5 | 511.9 | 511.4 | 510.8 | 510.2 | 509.7 |
| 130° | 543.3 | 543.0 | 542.6 | 542.0 | 541.3 | 540.6 | 539.9 | 539.2 |
| 132.5° | 572.0 | 571.2 | 570.4 | 569.7 | 569.2 | 568.5 | 568.0 | 567.4 |
| 135° | 614.3 | 614.1 | 613.9 | 613.5 | 613.0 | 612.4 | 612.0 | 611.4 |
| 137.5° | 654.7 | 654.7 | 654.5 | 654.0 | 653.3 | 652.6 | 651.9 | 651.2 |
| 140° | 682.0 | 682.0 | 682.0 | 681.7 | 681.0 | 680.2 | 679.5 | 678.8 |
| 142.5° | 706.7 | 706.9 | 706.9 | 706.7 | 706.0 | 705.3 | 704.6 | 703.9 |
| 145° | 744.2 | 744.3 | 744.5 | 744.3 | 743.5 | 742.8 | 742.1 | 741.4 |
| 147.5° | 777.0 | 777.4 | 777.8 | 777.6 | 777.0 | 776.3 | 775.6 | 774.9 |
| 150° | 797.8 | 798.4 | 798.9 | 798.9 | 798.4 | 797.8 | 797.3 | 796.8 |
| 152.5° | 818.6 | 819.4 | 820.0 | 820.0 | 819.4 | 818.6 | 817.9 | 817.3 |
| 155° | 845.1 | 846.0 | 846.8 | 847.0 | 846.5 | 846.0 | 845.4 | 844.9 |
| 157.5° | 869.5 | 870.7 | 871.9 | 872.0 | 871.2 | 870.4 | 869.5 | 868.6 |
| 160° | 883.9 | 885.0 | 886.1 | 886.3 | 885.6 | 884.9 | 884.2 | 883.4 |
| 162.5° | 897.1 | 898.3 | 899.5 | 899.7 | 898.8 | 897.9 | 897.1 | 896.3 |
| 165° | 914.0 | 915.2 | 916.5 | 916.6 | 915.8 | 914.9 | 914.0 | 913.1 |
| 167.5° | 928.0 | 929.2 | 930.4 | 930.6 | 929.7 | 928.8 | 927.8 | 926.9 |
| 170° | 935.6 | 936.9 | 938.2 | 938.3 | 937.2 | 936.1 | 935.0 | 934.0 |
| 172.5° | 941.4 | 942.7 | 943.9 | 944.0 | 942.9 | 941.9 | 940.8 | 939.8 |
| 175° | 947.7 | 949.0 | 950.1 | 950.3 | 949.2 | 948.2 | 947.1 | 946.0 |
| 177.5° | 950.6 | 951.4 | 952.3 | 952.3 | 951.4 | 950.6 | 949.7 | 948.9 |
| 180° | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 |

(END OF REPORT)