

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: P331600-930

Luminaire Tested: **S122DIW-S1005D970U930-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331600-930
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-S1005D970U930-4F0-1E-UDD-D1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, DROP 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: 6029.2 lumens
Efficiency: N/A
Efficacy: 89.5 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

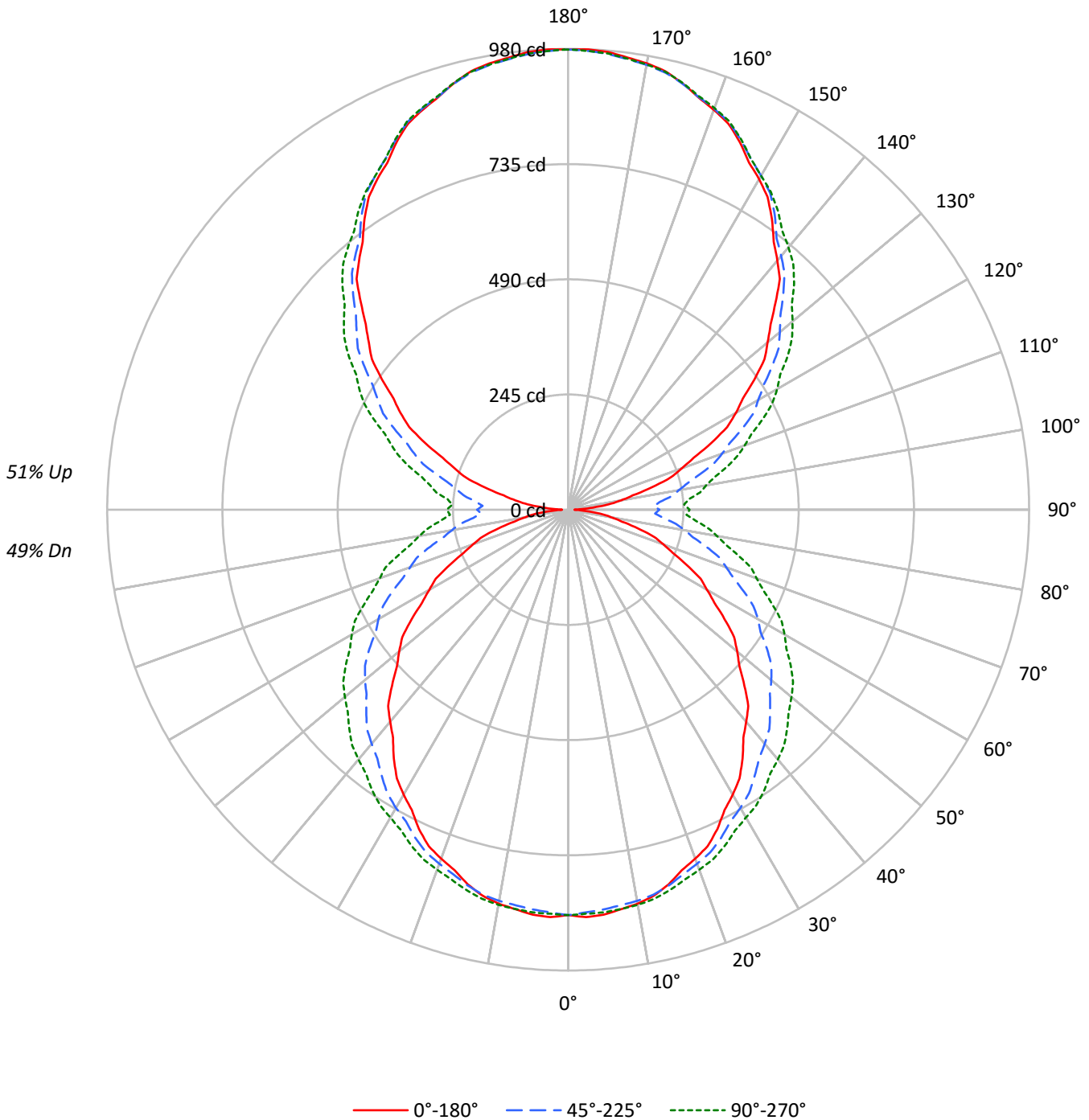
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331600-930

CATALOG NUMBER: S122DIW-S1005D970U930-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331600-930

CATALOG NUMBER: S122DIW-S1005D970U930-4F0-1E-UDD-D1

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 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 83 | 83 | 83 | 68 | 68 | 68 | 55 | 55 | 55 | 49 |
| 1 | 96 | 91 | 87 | 83 | 88 | 84 | 80 | 76 | 70 | 67 | 65 | 58 | 56 | 54 | 46 | 45 | 43 | 38 |
| 2 | 87 | 79 | 72 | 66 | 79 | 72 | 67 | 62 | 61 | 56 | 52 | 50 | 47 | 44 | 40 | 37 | 35 | 31 |
| 3 | 79 | 69 | 61 | 55 | 72 | 63 | 56 | 51 | 53 | 48 | 43 | 43 | 40 | 36 | 35 | 32 | 29 | 25 |
| 4 | 72 | 60 | 52 | 46 | 66 | 56 | 48 | 43 | 47 | 41 | 37 | 38 | 34 | 31 | 31 | 28 | 25 | 21 |
| 5 | 66 | 54 | 45 | 39 | 60 | 49 | 42 | 36 | 42 | 36 | 31 | 34 | 30 | 26 | 28 | 24 | 22 | 18 |
| 6 | 61 | 48 | 39 | 33 | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 31 | 26 | 23 | 25 | 21 | 19 | 16 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 33 | 27 | 34 | 28 | 24 | 28 | 23 | 20 | 23 | 19 | 17 | 14 |
| 8 | 52 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 31 | 25 | 21 | 26 | 21 | 18 | 21 | 17 | 15 | 12 |
| 9 | 48 | 36 | 28 | 23 | 44 | 33 | 26 | 21 | 28 | 23 | 19 | 23 | 19 | 16 | 19 | 16 | 13 | 11 |
| 10 | 45 | 33 | 25 | 20 | 41 | 30 | 24 | 19 | 26 | 20 | 17 | 22 | 17 | 14 | 18 | 14 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 13919 | 13919 | 13919 |
| 5° | 13988 | 13400 | 13350 |
| 10° | 13899 | 13004 | 12858 |
| 15° | 13709 | 12584 | 12339 |
| 20° | 13467 | 12136 | 11842 |
| 25° | 13227 | 11701 | 11390 |
| 30° | 12890 | 11257 | 10936 |
| 35° | 12550 | 10828 | 10617 |
| 40° | 12191 | 10461 | 10297 |
| 45° | 11850 | 10133 | 10022 |
| 50° | 11485 | 9837 | 9754 |
| 55° | 11101 | 9519 | 9479 |
| 60° | 10631 | 9187 | 9189 |
| 65° | 10145 | 8801 | 8846 |
| 70° | 9596 | 8384 | 8474 |
| 75° | 8897 | 7976 | 8132 |
| 80° | 7792 | 7559 | 7784 |
| 85° | 6733 | 7197 | 7515 |



TEST NUMBER: P331600-930

CATALOG NUMBER: S122DIW-S1005D970U930-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 81.7 | 1.4 |
| 10°-20° | 234.3 | 3.9 |
| 20°-30° | 355.0 | 5.9 |
| 30°-40° | 432.4 | 7.2 |
| 40°-50° | 465.2 | 7.7 |
| 50°-60° | 451.7 | 7.5 |
| 60°-70° | 394.4 | 6.5 |
| 70°-80° | 303.7 | 5.0 |
| 80°-90° | 207.7 | 3.4 |
| 90°-100° | 202.4 | 3.4 |
| 100°-110° | 295.1 | 4.9 |
| 110°-120° | 396.9 | 6.6 |
| 120°-130° | 470.7 | 7.8 |
| 130°-140° | 501.7 | 8.3 |
| 140°-150° | 479.2 | 7.9 |
| 150°-160° | 399.6 | 6.6 |
| 160°-170° | 265.0 | 4.4 |
| 170°-180° | 92.6 | 1.5 |
| 0°-30° | 670.9 | 11.1 |
| 0°-40° | 1103.3 | 18.3 |
| 0°-60° | 2020.2 | 33.5 |
| 0°-90° | 2926.0 | 48.5 |
| 90°-120° | 894.4 | 14.8 |
| 90°-150° | 2346.0 | 38.9 |
| 90°-180° | 3103.0 | 51.5 |
| 0°-180° | 6029.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 862 | 862 | 862 | 862 | 862 | |
| 5° | 865 | 861 | 853 | 860 | 860 | 82 |
| 15° | 825 | 827 | 827 | 838 | 837 | 232 |
| 25° | 750 | 759 | 770 | 784 | 788 | 345 |
| 35° | 646 | 667 | 691 | 717 | 727 | 404 |
| 45° | 530 | 564 | 607 | 644 | 658 | 409 |
| 55° | 406 | 452 | 516 | 559 | 577 | 363 |
| 65° | 277 | 339 | 412 | 462 | 480 | 275 |
| 75° | 154 | 224 | 304 | 355 | 374 | 163 |
| 85° | 45 | 123 | 202 | 253 | 272 | 48 |
| 90° | 13 | 97 | 194 | 240 | 258 | 11 |
| 95° | 53 | 120 | 197 | 242 | 257 | 57 |
| 105° | 184 | 224 | 289 | 333 | 348 | 195 |
| 115° | 335 | 356 | 408 | 444 | 456 | 331 |
| 125° | 483 | 492 | 528 | 558 | 570 | 432 |
| 135° | 623 | 632 | 646 | 671 | 679 | 482 |
| 145° | 755 | 760 | 766 | 774 | 777 | 472 |
| 155° | 863 | 865 | 868 | 872 | 870 | 397 |
| 165° | 939 | 938 | 938 | 943 | 940 | 265 |
| 175° | 977 | 974 | 973 | 978 | 974 | 93 |
| 180° | 978 | 978 | 978 | 978 | 978 | |



TEST NUMBER: P331600-930

CATALOG NUMBER: S122DIW-S1005D970U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 862.1 | 862.1 | 862.1 | 862.1 | 862.1 | 862.1 | 862.1 | 862.1 | 862.1 | 862.1 | 862.1 |
| 2.5° | 867.2 | 866.5 | 865.8 | 865.1 | 864.5 | 863.3 | 861.8 | 860.2 | 858.7 | 857.1 | 858.3 |
| 5° | 864.6 | 863.8 | 863.0 | 862.1 | 861.3 | 860.1 | 858.4 | 856.7 | 855.1 | 853.4 | 855.1 |
| 7.5° | 856.9 | 856.3 | 855.7 | 855.2 | 854.7 | 853.8 | 852.5 | 851.2 | 849.9 | 848.6 | 850.6 |
| 10° | 850.9 | 850.4 | 849.8 | 849.2 | 848.6 | 848.0 | 847.2 | 846.3 | 845.5 | 844.7 | 846.9 |
| 12.5° | 840.9 | 841.0 | 841.1 | 841.2 | 841.3 | 841.1 | 840.5 | 839.8 | 839.3 | 838.6 | 840.9 |
| 15° | 824.7 | 825.2 | 825.7 | 826.3 | 826.9 | 827.1 | 827.1 | 827.1 | 827.1 | 827.1 | 829.6 |
| 17.5° | 803.6 | 804.9 | 806.0 | 807.1 | 808.3 | 809.3 | 810.2 | 811.1 | 812.0 | 812.9 | 815.5 |
| 20° | 789.7 | 791.1 | 792.5 | 793.9 | 795.2 | 796.5 | 797.6 | 798.7 | 799.8 | 801.0 | 804.0 |
| 22.5° | 774.7 | 776.2 | 777.9 | 779.5 | 781.1 | 782.7 | 784.2 | 785.8 | 787.3 | 788.9 | 792.0 |
| 25° | 749.7 | 751.6 | 753.6 | 755.5 | 757.5 | 759.7 | 762.1 | 764.7 | 767.2 | 769.6 | 773.0 |
| 27.5° | 719.7 | 722.8 | 726.0 | 729.2 | 732.4 | 735.4 | 738.3 | 741.3 | 744.2 | 747.2 | 751.4 |
| 30° | 699.7 | 703.3 | 706.9 | 710.5 | 714.1 | 717.8 | 721.4 | 725.0 | 728.6 | 732.2 | 736.6 |
| 32.5° | 677.7 | 681.8 | 685.8 | 689.9 | 693.9 | 698.1 | 702.4 | 706.6 | 710.9 | 715.2 | 720.3 |
| 35° | 646.0 | 650.7 | 655.4 | 660.1 | 664.9 | 669.8 | 675.1 | 680.4 | 685.7 | 691.0 | 697.1 |
| 37.5° | 611.5 | 616.9 | 622.4 | 627.8 | 633.2 | 639.4 | 646.2 | 653.1 | 659.9 | 666.8 | 673.5 |
| 40° | 588.5 | 594.6 | 600.7 | 606.8 | 612.9 | 619.7 | 627.2 | 634.7 | 642.2 | 649.7 | 657.0 |
| 42.5° | 566.6 | 572.6 | 578.7 | 584.8 | 590.9 | 598.3 | 606.9 | 615.6 | 624.1 | 632.8 | 640.6 |
| 45° | 529.8 | 537.3 | 544.8 | 552.3 | 559.8 | 568.3 | 578.1 | 587.8 | 597.5 | 607.2 | 615.9 |
| 47.5° | 493.6 | 501.7 | 509.9 | 518.0 | 526.2 | 536.0 | 547.4 | 558.7 | 570.1 | 581.5 | 590.5 |
| 50° | 468.6 | 477.2 | 485.8 | 494.4 | 503.0 | 513.6 | 526.0 | 538.5 | 551.0 | 563.5 | 573.0 |
| 52.5° | 444.6 | 453.6 | 462.7 | 471.7 | 480.8 | 491.9 | 505.0 | 518.2 | 531.3 | 544.5 | 554.2 |
| 55° | 406.1 | 416.0 | 426.1 | 436.1 | 446.1 | 458.3 | 472.7 | 487.1 | 501.6 | 516.0 | 526.0 |
| 57.5° | 368.1 | 379.4 | 390.6 | 401.9 | 413.2 | 426.2 | 440.9 | 455.6 | 470.3 | 485.0 | 495.8 |
| 60° | 341.1 | 353.0 | 365.0 | 376.9 | 388.9 | 402.8 | 418.6 | 434.4 | 450.2 | 466.0 | 476.6 |
| 62.5° | 317.2 | 329.5 | 341.9 | 354.2 | 366.6 | 380.7 | 396.6 | 412.4 | 428.3 | 444.1 | 455.3 |
| 65° | 277.4 | 291.0 | 304.6 | 318.2 | 331.8 | 346.8 | 363.2 | 379.5 | 395.9 | 412.3 | 423.7 |
| 67.5° | 240.9 | 255.1 | 269.3 | 283.6 | 297.7 | 313.2 | 330.0 | 346.8 | 363.5 | 380.3 | 391.8 |
| 70° | 214.9 | 229.3 | 243.8 | 258.2 | 272.6 | 288.5 | 305.7 | 322.9 | 340.1 | 357.3 | 369.2 |
| 72.5° | 190.9 | 205.8 | 220.7 | 235.5 | 250.5 | 266.6 | 284.1 | 301.5 | 318.9 | 336.4 | 348.1 |
| 75° | 153.7 | 169.3 | 184.7 | 200.3 | 215.9 | 232.5 | 250.3 | 268.1 | 285.8 | 303.6 | 315.5 |
| 77.5° | 117.7 | 134.0 | 150.3 | 166.5 | 182.8 | 199.9 | 218.0 | 236.0 | 254.0 | 272.1 | 284.1 |
| 80° | 93.7 | 110.6 | 127.6 | 144.6 | 161.4 | 179.0 | 197.0 | 215.1 | 233.1 | 251.1 | 262.8 |
| 82.5° | 73.7 | 90.4 | 107.1 | 123.8 | 140.6 | 158.1 | 176.3 | 194.6 | 212.9 | 231.1 | 242.8 |
| 85° | 45.0 | 62.2 | 79.4 | 96.6 | 113.8 | 131.3 | 149.1 | 166.9 | 184.7 | 202.4 | 214.1 |
| 87.5° | 24.6 | 41.7 | 58.6 | 75.7 | 92.6 | 110.4 | 129.0 | 147.6 | 166.2 | 184.7 | 196.0 |
| 90° | 13.3 | 31.6 | 49.9 | 68.2 | 86.6 | 106.6 | 128.4 | 150.2 | 172.0 | 193.8 | 204.6 |
| 92.5° | 26.2 | 42.8 | 59.4 | 76.0 | 92.6 | 110.0 | 128.0 | 146.1 | 164.1 | 182.2 | 193.1 |
| 95° | 52.9 | 67.8 | 82.7 | 97.6 | 112.5 | 128.4 | 145.4 | 162.5 | 179.5 | 196.6 | 207.1 |
| 97.5° | 87.2 | 100.4 | 113.7 | 126.9 | 140.1 | 155.1 | 171.7 | 188.4 | 205.1 | 221.8 | 232.0 |
| 100° | 113.7 | 125.4 | 137.1 | 148.9 | 160.6 | 174.5 | 190.6 | 206.7 | 222.8 | 238.9 | 249.2 |
| 102.5° | 140.4 | 150.9 | 161.5 | 172.0 | 182.6 | 195.8 | 211.6 | 227.4 | 243.2 | 259.0 | 269.2 |
| 105° | 183.8 | 192.4 | 201.0 | 209.6 | 218.2 | 229.9 | 244.7 | 259.5 | 274.3 | 289.1 | 299.2 |
| 107.5° | 228.8 | 236.0 | 243.3 | 250.5 | 257.8 | 268.3 | 282.2 | 296.0 | 309.8 | 323.7 | 333.1 |
| 110° | 256.9 | 263.5 | 270.2 | 276.8 | 283.5 | 293.6 | 307.2 | 320.8 | 334.4 | 348.1 | 356.9 |



TEST NUMBER: P331600-930

CATALOG NUMBER: S122DIW-S1005D970U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 288.5 | 294.3 | 300.1 | 305.9 | 311.6 | 320.9 | 333.7 | 346.5 | 359.3 | 372.1 | 380.5 |
| 115° | 335.3 | 339.5 | 343.6 | 347.8 | 352.0 | 360.0 | 372.2 | 384.3 | 396.5 | 408.5 | 416.7 |
| 117.5° | 380.7 | 384.1 | 387.6 | 391.0 | 394.5 | 401.5 | 412.1 | 422.6 | 433.1 | 443.6 | 451.3 |
| 120° | 411.6 | 414.3 | 416.9 | 419.4 | 422.0 | 428.1 | 437.7 | 447.4 | 457.1 | 466.7 | 474.4 |
| 122.5° | 440.1 | 442.3 | 444.5 | 446.7 | 448.9 | 454.7 | 464.1 | 473.5 | 483.0 | 492.4 | 499.5 |
| 125° | 483.1 | 484.8 | 486.4 | 488.0 | 489.7 | 494.7 | 503.0 | 511.4 | 519.7 | 528.1 | 535.0 |
| 127.5° | 526.2 | 528.0 | 529.9 | 531.7 | 533.5 | 537.6 | 544.1 | 550.7 | 557.1 | 563.6 | 569.9 |
| 130° | 553.3 | 555.4 | 557.5 | 559.6 | 561.7 | 565.5 | 571.0 | 576.4 | 581.9 | 587.3 | 593.7 |
| 132.5° | 583.7 | 585.4 | 587.0 | 588.6 | 590.4 | 593.5 | 598.0 | 602.6 | 607.2 | 611.7 | 617.4 |
| 135° | 623.1 | 625.1 | 627.1 | 629.1 | 631.1 | 633.7 | 636.8 | 640.0 | 643.1 | 646.3 | 651.9 |
| 137.5° | 665.9 | 667.4 | 669.0 | 670.7 | 672.2 | 673.8 | 675.6 | 677.3 | 679.0 | 680.7 | 685.7 |
| 140° | 691.6 | 693.0 | 694.3 | 695.7 | 697.1 | 698.5 | 700.0 | 701.5 | 703.0 | 704.4 | 708.8 |
| 142.5° | 718.0 | 719.4 | 720.8 | 722.1 | 723.5 | 724.6 | 725.3 | 726.0 | 726.8 | 727.5 | 731.2 |
| 145° | 754.7 | 756.0 | 757.3 | 758.6 | 759.9 | 761.1 | 762.2 | 763.3 | 764.4 | 765.5 | 767.4 |
| 147.5° | 788.6 | 790.2 | 791.7 | 793.2 | 794.8 | 795.9 | 796.6 | 797.4 | 798.1 | 798.8 | 799.5 |
| 150° | 811.7 | 812.9 | 813.9 | 815.1 | 816.1 | 817.1 | 817.8 | 818.6 | 819.3 | 820.0 | 820.5 |
| 152.5° | 832.3 | 833.3 | 834.5 | 835.5 | 836.7 | 837.6 | 838.5 | 839.4 | 840.2 | 841.1 | 841.8 |
| 155° | 862.9 | 863.5 | 864.1 | 864.6 | 865.1 | 865.7 | 866.3 | 866.8 | 867.3 | 867.9 | 868.8 |
| 157.5° | 889.2 | 889.6 | 889.9 | 890.3 | 890.6 | 891.0 | 891.4 | 891.7 | 892.0 | 892.3 | 893.6 |
| 160° | 905.1 | 905.4 | 905.8 | 906.1 | 906.5 | 906.8 | 907.0 | 907.2 | 907.3 | 907.5 | 908.7 |
| 162.5° | 919.6 | 919.7 | 919.7 | 919.8 | 919.9 | 920.0 | 920.2 | 920.4 | 920.6 | 920.7 | 922.0 |
| 165° | 938.9 | 938.7 | 938.6 | 938.3 | 938.2 | 938.1 | 938.1 | 938.1 | 938.1 | 938.1 | 939.4 |
| 167.5° | 955.1 | 954.6 | 954.0 | 953.4 | 952.9 | 952.6 | 952.6 | 952.5 | 952.5 | 952.4 | 953.7 |
| 170° | 963.7 | 963.1 | 962.6 | 962.1 | 961.5 | 961.2 | 960.9 | 960.7 | 960.6 | 960.4 | 961.6 |
| 172.5° | 969.6 | 969.1 | 968.5 | 968.0 | 967.4 | 967.0 | 966.9 | 966.7 | 966.5 | 966.3 | 967.6 |
| 175° | 976.9 | 976.3 | 975.8 | 975.3 | 974.7 | 974.2 | 973.9 | 973.5 | 973.1 | 972.7 | 974.0 |
| 177.5° | 979.9 | 979.4 | 979.0 | 978.5 | 978.1 | 977.7 | 977.5 | 977.1 | 976.9 | 976.6 | 977.5 |
| 180° | 978.5 | 978.5 | 978.5 | 978.5 | 978.5 | 978.5 | 978.5 | 978.5 | 978.5 | 978.5 | 978.5 |



TEST NUMBER: P331600-930

CATALOG NUMBER: S122DIW-S1005D970U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 862.1 | 862.1 | 862.1 | 862.1 | 862.1 | 862.1 | 862.1 | 862.1 |
| 2.5° | 859.3 | 860.5 | 861.6 | 861.9 | 861.4 | 861.0 | 860.5 | 860.1 |
| 5° | 856.7 | 858.4 | 860.1 | 860.7 | 860.5 | 860.2 | 859.9 | 859.7 |
| 7.5° | 852.6 | 854.7 | 856.6 | 857.5 | 857.2 | 857.0 | 856.6 | 856.4 |
| 10° | 849.1 | 851.3 | 853.5 | 854.5 | 854.2 | 853.9 | 853.7 | 853.4 |
| 12.5° | 843.1 | 845.3 | 847.5 | 848.5 | 848.2 | 847.9 | 847.7 | 847.4 |
| 15° | 832.2 | 834.6 | 837.1 | 838.3 | 838.0 | 837.7 | 837.4 | 837.1 |
| 17.5° | 818.2 | 820.8 | 823.4 | 824.7 | 824.7 | 824.7 | 824.7 | 824.7 |
| 20° | 807.0 | 810.1 | 813.1 | 814.6 | 814.6 | 814.6 | 814.6 | 814.6 |
| 22.5° | 795.0 | 798.1 | 801.1 | 802.9 | 803.3 | 803.8 | 804.2 | 804.7 |
| 25° | 776.3 | 779.7 | 783.0 | 785.1 | 785.9 | 786.8 | 787.6 | 788.4 |
| 27.5° | 755.6 | 759.9 | 764.1 | 766.5 | 767.1 | 767.7 | 768.3 | 768.9 |
| 30° | 741.1 | 745.5 | 750.0 | 752.6 | 753.4 | 754.2 | 755.1 | 755.9 |
| 32.5° | 725.5 | 730.5 | 735.6 | 738.9 | 740.5 | 741.9 | 743.5 | 744.9 |
| 35° | 703.2 | 709.3 | 715.4 | 719.4 | 721.4 | 723.3 | 725.3 | 727.2 |
| 37.5° | 680.3 | 687.1 | 693.8 | 698.2 | 700.3 | 702.4 | 704.4 | 706.5 |
| 40° | 664.1 | 671.4 | 678.6 | 683.5 | 686.0 | 688.4 | 691.0 | 693.5 |
| 42.5° | 648.5 | 656.4 | 664.3 | 669.4 | 672.0 | 674.5 | 676.9 | 679.5 |
| 45° | 624.4 | 633.1 | 641.6 | 647.3 | 650.1 | 652.9 | 655.7 | 658.4 |
| 47.5° | 599.5 | 608.5 | 617.5 | 623.5 | 626.6 | 629.7 | 632.7 | 635.8 |
| 50° | 582.4 | 591.8 | 601.3 | 607.6 | 610.6 | 613.6 | 616.7 | 619.7 |
| 52.5° | 563.9 | 573.5 | 583.2 | 589.6 | 592.9 | 596.2 | 599.5 | 602.8 |
| 55° | 536.1 | 546.0 | 556.0 | 562.8 | 566.4 | 570.1 | 573.6 | 577.2 |
| 57.5° | 506.6 | 517.4 | 528.2 | 535.3 | 539.0 | 542.7 | 546.3 | 550.0 |
| 60° | 487.1 | 497.7 | 508.3 | 515.5 | 519.3 | 523.3 | 527.2 | 531.0 |
| 62.5° | 466.5 | 477.7 | 488.9 | 496.4 | 500.0 | 503.7 | 507.4 | 511.0 |
| 65° | 435.1 | 446.5 | 457.9 | 465.4 | 469.0 | 472.5 | 476.2 | 479.8 |
| 67.5° | 403.3 | 414.8 | 426.3 | 434.0 | 437.7 | 441.5 | 445.3 | 449.1 |
| 70° | 381.2 | 393.1 | 405.1 | 412.7 | 416.0 | 419.4 | 422.7 | 426.1 |
| 72.5° | 359.8 | 371.5 | 383.2 | 391.1 | 395.1 | 399.1 | 403.1 | 407.1 |
| 75° | 327.5 | 339.4 | 351.4 | 359.1 | 362.7 | 366.4 | 370.0 | 373.6 |
| 77.5° | 295.9 | 307.8 | 319.7 | 327.6 | 331.4 | 335.3 | 339.2 | 343.1 |
| 80° | 274.4 | 286.2 | 297.8 | 305.6 | 309.5 | 313.3 | 317.2 | 321.1 |
| 82.5° | 254.5 | 266.1 | 277.8 | 285.4 | 289.1 | 292.8 | 296.4 | 300.1 |
| 85° | 225.8 | 237.4 | 249.1 | 256.8 | 260.7 | 264.6 | 268.5 | 272.4 |
| 87.5° | 207.2 | 218.5 | 229.8 | 237.2 | 240.8 | 244.3 | 247.9 | 251.5 |
| 90° | 215.3 | 226.1 | 236.8 | 243.9 | 247.4 | 250.9 | 254.5 | 258.0 |
| 92.5° | 204.1 | 215.1 | 226.0 | 233.2 | 236.5 | 239.9 | 243.3 | 246.6 |
| 95° | 217.6 | 228.2 | 238.7 | 245.5 | 248.5 | 251.4 | 254.4 | 257.4 |
| 97.5° | 242.3 | 252.6 | 262.9 | 269.6 | 272.9 | 276.1 | 279.4 | 282.6 |
| 100° | 259.4 | 269.7 | 280.0 | 286.6 | 289.4 | 292.3 | 295.2 | 298.1 |
| 102.5° | 279.4 | 289.6 | 299.8 | 306.3 | 309.2 | 312.1 | 315.0 | 317.8 |
| 105° | 309.3 | 319.4 | 329.5 | 336.1 | 339.1 | 342.2 | 345.2 | 348.2 |
| 107.5° | 342.6 | 352.0 | 361.5 | 367.4 | 369.6 | 371.8 | 374.0 | 376.3 |
| 110° | 365.8 | 374.7 | 383.6 | 389.2 | 391.8 | 394.3 | 396.8 | 399.3 |



TEST NUMBER: P331600-930

CATALOG NUMBER: S122DIW-S1005D970U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 389.0 | 397.4 | 405.9 | 411.4 | 414.1 | 416.7 | 419.4 | 422.0 |
| 115° | 424.9 | 433.0 | 441.2 | 446.5 | 449.0 | 451.5 | 454.0 | 456.5 |
| 117.5° | 459.2 | 466.9 | 474.7 | 479.7 | 482.0 | 484.3 | 486.6 | 488.9 |
| 120° | 482.2 | 490.0 | 497.7 | 502.9 | 505.4 | 507.9 | 510.4 | 512.9 |
| 122.5° | 506.6 | 513.7 | 520.8 | 525.5 | 527.7 | 529.9 | 532.1 | 534.3 |
| 125° | 541.9 | 548.9 | 555.8 | 560.4 | 562.8 | 565.1 | 567.4 | 569.7 |
| 127.5° | 576.1 | 582.3 | 588.6 | 592.6 | 594.4 | 596.3 | 598.2 | 600.0 |
| 130° | 600.0 | 606.3 | 612.5 | 616.4 | 617.9 | 619.4 | 620.9 | 622.4 |
| 132.5° | 623.1 | 628.7 | 634.3 | 637.9 | 639.6 | 641.2 | 642.9 | 644.5 |
| 135° | 657.6 | 663.2 | 668.9 | 672.5 | 674.2 | 675.9 | 677.5 | 679.2 |
| 137.5° | 690.6 | 695.5 | 700.5 | 703.6 | 704.7 | 705.9 | 707.0 | 708.2 |
| 140° | 713.3 | 717.7 | 722.2 | 724.9 | 725.8 | 726.8 | 727.7 | 728.6 |
| 142.5° | 734.9 | 738.6 | 742.3 | 744.5 | 745.3 | 745.9 | 746.7 | 747.4 |
| 145° | 769.2 | 771.0 | 772.9 | 774.1 | 774.8 | 775.4 | 776.1 | 776.7 |
| 147.5° | 800.1 | 800.7 | 801.4 | 801.7 | 801.6 | 801.6 | 801.6 | 801.5 |
| 150° | 821.1 | 821.7 | 822.2 | 822.2 | 821.7 | 821.1 | 820.5 | 820.0 |
| 152.5° | 842.5 | 843.3 | 843.9 | 843.9 | 843.3 | 842.5 | 841.8 | 841.1 |
| 155° | 869.8 | 870.7 | 871.6 | 871.7 | 871.2 | 870.7 | 870.1 | 869.5 |
| 157.5° | 894.9 | 896.1 | 897.3 | 897.5 | 896.7 | 895.8 | 894.9 | 894.0 |
| 160° | 909.7 | 910.9 | 911.9 | 912.2 | 911.4 | 910.7 | 910.0 | 909.2 |
| 162.5° | 923.2 | 924.5 | 925.8 | 925.9 | 925.0 | 924.1 | 923.2 | 922.4 |
| 165° | 940.7 | 941.9 | 943.2 | 943.4 | 942.5 | 941.6 | 940.7 | 939.7 |
| 167.5° | 955.0 | 956.3 | 957.6 | 957.7 | 956.8 | 955.9 | 954.9 | 954.0 |
| 170° | 963.0 | 964.3 | 965.6 | 965.6 | 964.5 | 963.4 | 962.3 | 961.2 |
| 172.5° | 968.9 | 970.2 | 971.4 | 971.6 | 970.5 | 969.4 | 968.2 | 967.2 |
| 175° | 975.3 | 976.6 | 977.9 | 978.0 | 976.9 | 975.8 | 974.7 | 973.6 |
| 177.5° | 978.4 | 979.2 | 980.1 | 980.1 | 979.2 | 978.4 | 977.5 | 976.6 |
| 180° | 978.5 | 978.5 | 978.5 | 978.5 | 978.5 | 978.5 | 978.5 | 978.5 |

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