

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: P331441-927

Luminaire Tested: **S122DIP-S1005D725U927-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331441-927
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: S122DIP-S1005D725U927-4F0-1E-UDD-D
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5492.8 lumens
Efficiency: N/A
Efficacy: 90.5 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

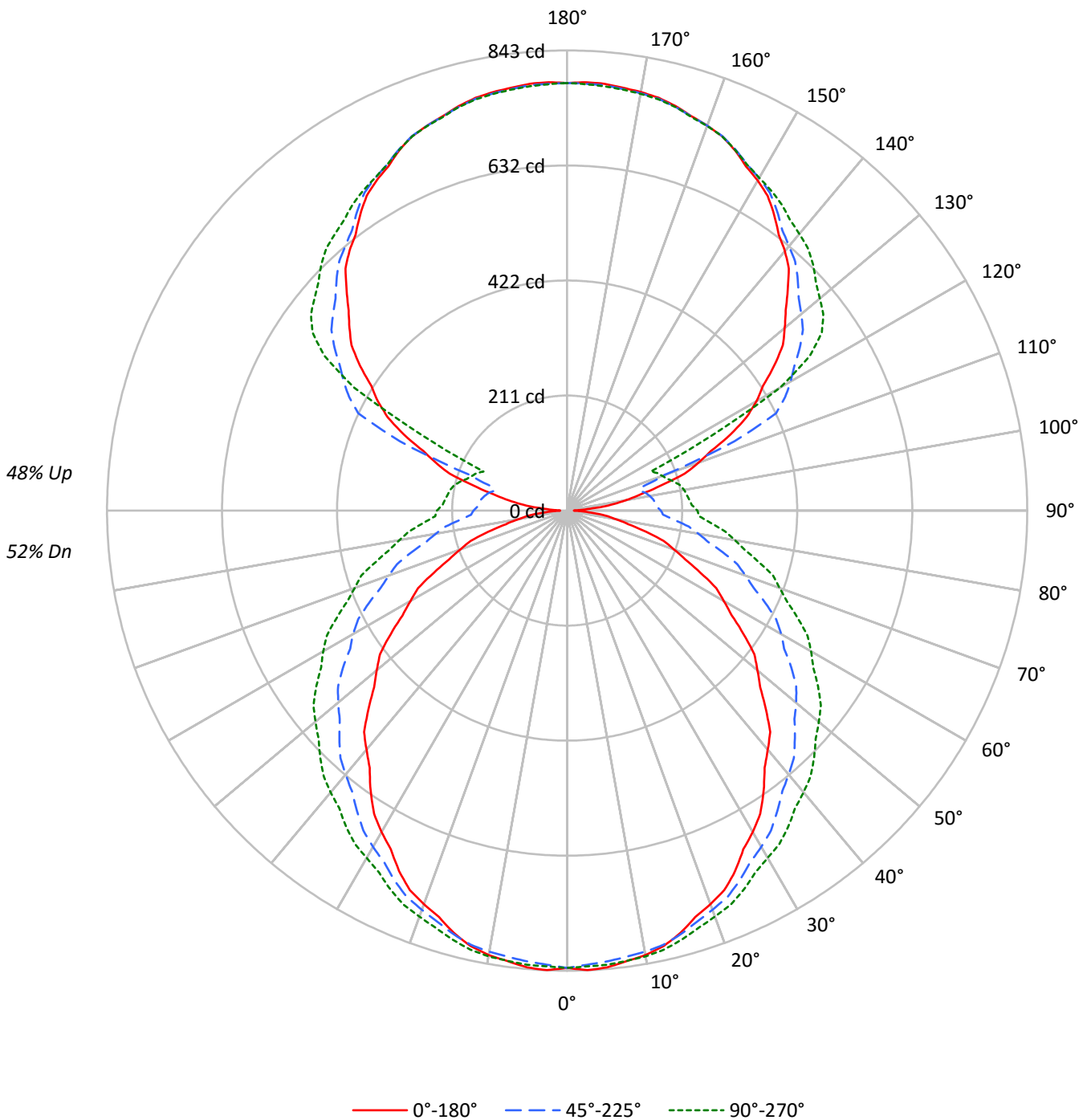
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331441-927

CATALOG NUMBER: S122DIP-S1005D725U927-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P331441-927

CATALOG NUMBER: S122DIP-S1005D725U927-4F0-1E-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 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 | 52 |
| 1 | 97 | 92 | 87 | 83 | 89 | 85 | 81 | 77 | 72 | 69 | 66 | 60 | 57 | 56 | 49 | 47 | 46 | 40 |
| 2 | 87 | 79 | 72 | 67 | 80 | 73 | 67 | 62 | 62 | 57 | 53 | 51 | 48 | 45 | 42 | 39 | 37 | 33 |
| 3 | 79 | 69 | 61 | 55 | 73 | 64 | 57 | 51 | 54 | 49 | 44 | 45 | 41 | 37 | 37 | 34 | 31 | 27 |
| 4 | 72 | 61 | 52 | 46 | 66 | 56 | 49 | 43 | 48 | 42 | 37 | 40 | 35 | 32 | 32 | 29 | 26 | 23 |
| 5 | 66 | 54 | 45 | 39 | 61 | 50 | 42 | 37 | 42 | 36 | 32 | 35 | 31 | 27 | 29 | 25 | 23 | 19 |
| 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 | 34 | 28 | 24 | 29 | 24 | 21 | 24 | 20 | 17 | 15 |
| 8 | 52 | 39 | 31 | 26 | 48 | 37 | 29 | 24 | 31 | 26 | 21 | 26 | 22 | 18 | 22 | 18 | 16 | 13 |
| 9 | 49 | 36 | 28 | 23 | 45 | 33 | 26 | 22 | 29 | 23 | 19 | 24 | 20 | 16 | 20 | 17 | 14 | 12 |
| 10 | 45 | 33 | 25 | 20 | 42 | 31 | 24 | 19 | 26 | 21 | 17 | 22 | 18 | 15 | 19 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 13525 | 13525 | 13525 |
| 5° | 13591 | 13020 | 12971 |
| 10° | 13506 | 12635 | 12493 |
| 15° | 13320 | 12228 | 11990 |
| 20° | 13085 | 11791 | 11506 |
| 25° | 12852 | 11370 | 11066 |
| 30° | 12525 | 10939 | 10626 |
| 35° | 12192 | 10521 | 10314 |
| 40° | 11845 | 10165 | 10004 |
| 45° | 11515 | 9846 | 9739 |
| 50° | 11159 | 9559 | 9477 |
| 55° | 10787 | 9249 | 9211 |
| 60° | 10329 | 8927 | 8928 |
| 65° | 9856 | 8551 | 8595 |
| 70° | 9323 | 8147 | 8233 |
| 75° | 8642 | 7750 | 7901 |
| 80° | 7567 | 7345 | 7563 |
| 85° | 6539 | 6995 | 7303 |



TEST NUMBER: P331441-927

CATALOG NUMBER: S122DIP-S1005D725U927-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.4 | 1.4 |
| 10°-20° | 227.6 | 4.1 |
| 20°-30° | 344.9 | 6.3 |
| 30°-40° | 420.1 | 7.6 |
| 40°-50° | 452.0 | 8.2 |
| 50°-60° | 438.9 | 8.0 |
| 60°-70° | 383.2 | 7.0 |
| 70°-80° | 295.0 | 5.4 |
| 80°-90° | 199.9 | 3.6 |
| 90°-100° | 162.5 | 3.0 |
| 100°-110° | 195.4 | 3.6 |
| 110°-120° | 321.9 | 5.9 |
| 120°-130° | 459.4 | 8.4 |
| 130°-140° | 465.0 | 8.5 |
| 140°-150° | 420.5 | 7.7 |
| 150°-160° | 335.9 | 6.1 |
| 160°-170° | 216.5 | 3.9 |
| 170°-180° | 74.5 | 1.4 |
| 0°-30° | 651.9 | 11.9 |
| 0°-40° | 1072.0 | 19.5 |
| 0°-60° | 1962.9 | 35.7 |
| 0°-90° | 2841.1 | 51.7 |
| 90°-120° | 679.8 | 12.4 |
| 90°-150° | 2024.7 | 36.9 |
| 90°-180° | 2652.0 | 48.3 |
| 0°-180° | 5492.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 838 | 838 | 838 | 838 | 838 | |
| 5° | 840 | 836 | 829 | 836 | 835 | 80 |
| 15° | 801 | 804 | 804 | 814 | 813 | 226 |
| 25° | 728 | 737 | 748 | 762 | 766 | 335 |
| 35° | 628 | 648 | 671 | 697 | 706 | 392 |
| 45° | 515 | 548 | 590 | 626 | 640 | 397 |
| 55° | 395 | 439 | 501 | 544 | 561 | 353 |
| 65° | 270 | 330 | 401 | 449 | 466 | 268 |
| 75° | 149 | 218 | 295 | 345 | 363 | 158 |
| 85° | 44 | 119 | 197 | 246 | 265 | 47 |
| 90° | 13 | 90 | 172 | 221 | 239 | 10 |
| 95° | 47 | 87 | 162 | 209 | 225 | 53 |
| 105° | 178 | 223 | 139 | 186 | 203 | 191 |
| 115° | 331 | 356 | 422 | 208 | 169 | 325 |
| 125° | 463 | 473 | 520 | 556 | 570 | 413 |
| 135° | 571 | 581 | 598 | 628 | 637 | 441 |
| 145° | 661 | 661 | 670 | 681 | 685 | 414 |
| 155° | 728 | 724 | 730 | 733 | 729 | 335 |
| 165° | 767 | 764 | 766 | 769 | 766 | 217 |
| 175° | 785 | 781 | 782 | 785 | 780 | 75 |
| 180° | 783 | 783 | 783 | 783 | 783 | |



TEST NUMBER: P331441-927

CATALOG NUMBER: S122DIP-S1005D725U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 837.7 | 837.7 | 837.7 | 837.7 | 837.7 | 837.7 | 837.7 | 837.7 | 837.7 | 837.7 | 837.7 |
| 2.5° | 842.6 | 841.9 | 841.2 | 840.6 | 840.0 | 838.8 | 837.3 | 835.8 | 834.3 | 832.8 | 833.9 |
| 5° | 840.1 | 839.3 | 838.5 | 837.7 | 836.9 | 835.7 | 834.1 | 832.4 | 830.8 | 829.2 | 830.8 |
| 7.5° | 832.6 | 832.0 | 831.5 | 831.0 | 830.4 | 829.6 | 828.3 | 827.0 | 825.9 | 824.6 | 826.5 |
| 10° | 826.8 | 826.2 | 825.7 | 825.1 | 824.6 | 823.9 | 823.2 | 822.3 | 821.5 | 820.7 | 822.8 |
| 12.5° | 817.1 | 817.1 | 817.3 | 817.4 | 817.5 | 817.2 | 816.7 | 816.0 | 815.5 | 814.8 | 817.1 |
| 15° | 801.3 | 801.8 | 802.3 | 802.9 | 803.4 | 803.7 | 803.7 | 803.7 | 803.7 | 803.7 | 806.1 |
| 17.5° | 780.9 | 782.0 | 783.2 | 784.3 | 785.4 | 786.4 | 787.3 | 788.1 | 789.0 | 789.9 | 792.4 |
| 20° | 767.3 | 768.7 | 770.0 | 771.3 | 772.7 | 773.9 | 775.0 | 776.0 | 777.1 | 778.2 | 781.2 |
| 22.5° | 752.7 | 754.2 | 755.8 | 757.4 | 759.0 | 760.5 | 762.0 | 763.5 | 765.0 | 766.5 | 769.5 |
| 25° | 728.4 | 730.3 | 732.2 | 734.1 | 736.0 | 738.2 | 740.5 | 743.0 | 745.4 | 747.8 | 751.1 |
| 27.5° | 699.3 | 702.3 | 705.4 | 708.5 | 711.6 | 714.5 | 717.4 | 720.3 | 723.1 | 726.0 | 730.1 |
| 30° | 679.9 | 683.3 | 686.9 | 690.4 | 693.9 | 697.4 | 700.9 | 704.4 | 707.9 | 711.5 | 715.7 |
| 32.5° | 658.5 | 662.4 | 666.4 | 670.3 | 674.2 | 678.3 | 682.5 | 686.6 | 690.8 | 694.9 | 699.9 |
| 35° | 627.6 | 632.2 | 636.8 | 641.4 | 646.0 | 650.9 | 656.0 | 661.1 | 666.2 | 671.4 | 677.3 |
| 37.5° | 594.1 | 599.4 | 604.8 | 610.0 | 615.3 | 621.2 | 627.9 | 634.5 | 641.2 | 647.8 | 654.4 |
| 40° | 571.8 | 577.7 | 583.7 | 589.6 | 595.6 | 602.1 | 609.4 | 616.7 | 624.0 | 631.3 | 638.3 |
| 42.5° | 550.5 | 556.3 | 562.3 | 568.2 | 574.2 | 581.3 | 589.7 | 598.1 | 606.4 | 614.8 | 622.4 |
| 45° | 514.8 | 522.0 | 529.3 | 536.6 | 543.9 | 552.2 | 561.7 | 571.2 | 580.6 | 590.0 | 598.4 |
| 47.5° | 479.6 | 487.5 | 495.4 | 503.4 | 511.3 | 520.8 | 531.9 | 542.9 | 554.0 | 565.0 | 573.8 |
| 50° | 455.3 | 463.7 | 472.0 | 480.4 | 488.7 | 499.0 | 511.1 | 523.2 | 535.4 | 547.6 | 556.7 |
| 52.5° | 432.0 | 440.8 | 449.6 | 458.4 | 467.1 | 477.9 | 490.7 | 503.5 | 516.3 | 529.1 | 538.4 |
| 55° | 394.6 | 404.3 | 414.0 | 423.7 | 433.4 | 445.3 | 459.3 | 473.3 | 487.4 | 501.4 | 511.1 |
| 57.5° | 357.7 | 368.6 | 379.5 | 390.5 | 401.5 | 414.1 | 428.4 | 442.7 | 457.0 | 471.3 | 481.7 |
| 60° | 331.4 | 343.0 | 354.7 | 366.2 | 377.9 | 391.3 | 406.7 | 422.1 | 437.4 | 452.8 | 463.1 |
| 62.5° | 308.2 | 320.1 | 332.2 | 344.2 | 356.2 | 369.9 | 385.3 | 400.7 | 416.1 | 431.5 | 442.4 |
| 65° | 269.5 | 282.7 | 296.0 | 309.2 | 322.4 | 337.0 | 352.9 | 368.8 | 384.7 | 400.6 | 411.7 |
| 67.5° | 234.1 | 247.9 | 261.7 | 275.5 | 289.3 | 304.4 | 320.7 | 337.0 | 353.2 | 369.6 | 380.7 |
| 70° | 208.8 | 222.8 | 236.9 | 250.9 | 264.9 | 280.3 | 297.1 | 313.8 | 330.5 | 347.2 | 358.8 |
| 72.5° | 185.5 | 199.9 | 214.4 | 228.9 | 243.4 | 259.0 | 276.0 | 292.9 | 309.9 | 326.9 | 338.2 |
| 75° | 149.3 | 164.5 | 179.5 | 194.6 | 209.8 | 225.9 | 243.2 | 260.5 | 277.7 | 295.0 | 306.6 |
| 77.5° | 114.4 | 130.2 | 146.0 | 161.8 | 177.6 | 194.2 | 211.8 | 229.3 | 246.8 | 264.4 | 276.0 |
| 80° | 91.0 | 107.5 | 124.0 | 140.5 | 156.9 | 173.9 | 191.4 | 209.0 | 226.5 | 244.0 | 255.3 |
| 82.5° | 71.6 | 87.9 | 104.1 | 120.3 | 136.6 | 153.6 | 171.3 | 189.1 | 206.8 | 224.6 | 235.9 |
| 85° | 43.7 | 60.4 | 77.2 | 93.9 | 110.6 | 127.6 | 144.9 | 162.2 | 179.4 | 196.7 | 208.0 |
| 87.5° | 23.9 | 40.2 | 56.6 | 73.0 | 89.4 | 106.2 | 123.7 | 141.2 | 158.7 | 176.1 | 187.3 |
| 90° | 12.7 | 29.7 | 46.7 | 63.8 | 80.8 | 98.5 | 116.8 | 135.1 | 153.3 | 171.6 | 183.0 |
| 92.5° | 22.6 | 37.1 | 51.5 | 65.9 | 80.4 | 96.2 | 113.3 | 130.4 | 147.5 | 164.7 | 175.5 |
| 95° | 46.6 | 55.1 | 63.6 | 72.1 | 80.6 | 93.5 | 110.5 | 127.5 | 144.7 | 161.7 | 172.6 |
| 97.5° | 81.6 | 81.2 | 80.7 | 80.3 | 79.9 | 88.4 | 106.0 | 123.6 | 141.2 | 158.8 | 169.2 |
| 100° | 108.8 | 101.6 | 94.3 | 87.0 | 79.7 | 84.7 | 102.0 | 119.2 | 136.5 | 153.7 | 164.7 |
| 102.5° | 137.8 | 143.2 | 148.7 | 154.2 | 159.6 | 160.7 | 157.5 | 154.2 | 151.1 | 147.8 | 158.9 |
| 105° | 178.3 | 190.0 | 201.5 | 213.2 | 224.7 | 220.4 | 200.0 | 179.7 | 159.3 | 138.9 | 149.8 |
| 107.5° | 226.0 | 235.4 | 244.6 | 254.0 | 263.2 | 254.1 | 226.2 | 198.4 | 170.6 | 142.8 | 150.5 |
| 110° | 255.9 | 264.0 | 272.0 | 280.0 | 288.0 | 280.5 | 257.3 | 234.2 | 211.0 | 187.8 | 183.9 |



TEST NUMBER: P331441-927

CATALOG NUMBER: S122DIP-S1005D725U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 284.9 | 291.8 | 298.7 | 305.5 | 312.4 | 317.7 | 321.2 | 324.8 | 328.4 | 331.9 | 294.6 |
| 115° | 330.7 | 335.8 | 340.9 | 346.0 | 351.1 | 361.3 | 376.6 | 391.9 | 407.2 | 422.5 | 372.2 |
| 117.5° | 370.4 | 374.7 | 379.1 | 383.4 | 387.8 | 396.6 | 410.0 | 423.3 | 436.7 | 450.1 | 444.0 |
| 120° | 400.3 | 403.3 | 406.2 | 409.2 | 412.2 | 420.2 | 433.2 | 446.3 | 459.4 | 472.5 | 481.5 |
| 122.5° | 425.7 | 428.1 | 430.6 | 432.9 | 435.4 | 442.9 | 455.5 | 468.1 | 480.8 | 493.4 | 501.6 |
| 125° | 463.1 | 464.8 | 466.4 | 468.0 | 469.7 | 476.0 | 487.0 | 498.0 | 509.1 | 520.1 | 528.3 |
| 127.5° | 498.1 | 499.7 | 501.2 | 502.8 | 504.3 | 509.5 | 518.2 | 527.0 | 535.8 | 544.5 | 552.5 |
| 130° | 520.4 | 522.1 | 523.9 | 525.6 | 527.4 | 531.7 | 538.8 | 545.8 | 552.9 | 559.9 | 567.8 |
| 132.5° | 543.0 | 544.5 | 545.9 | 547.4 | 548.8 | 552.4 | 558.2 | 564.0 | 569.7 | 575.4 | 582.9 |
| 135° | 571.3 | 573.3 | 575.3 | 577.3 | 579.3 | 582.3 | 586.1 | 589.9 | 593.7 | 597.6 | 604.5 |
| 137.5° | 601.1 | 602.5 | 603.8 | 605.1 | 606.5 | 608.5 | 610.9 | 613.4 | 615.8 | 618.3 | 624.6 |
| 140° | 620.6 | 621.3 | 622.1 | 622.8 | 623.5 | 624.9 | 626.8 | 628.8 | 630.7 | 632.6 | 638.0 |
| 142.5° | 636.9 | 637.5 | 638.2 | 638.8 | 639.4 | 640.6 | 642.3 | 644.0 | 645.7 | 647.4 | 651.9 |
| 145° | 661.3 | 661.2 | 661.1 | 660.9 | 660.8 | 661.8 | 663.9 | 666.1 | 668.2 | 670.3 | 672.9 |
| 147.5° | 683.7 | 683.2 | 682.7 | 682.2 | 681.8 | 682.5 | 684.7 | 686.7 | 688.9 | 691.0 | 691.9 |
| 150° | 698.2 | 697.3 | 696.4 | 695.5 | 694.6 | 695.2 | 697.2 | 699.2 | 701.2 | 703.2 | 704.0 |
| 152.5° | 710.3 | 709.4 | 708.4 | 707.4 | 706.5 | 706.9 | 708.8 | 710.7 | 712.6 | 714.5 | 715.3 |
| 155° | 728.2 | 727.1 | 725.9 | 724.8 | 723.7 | 723.8 | 725.3 | 726.8 | 728.3 | 729.8 | 730.6 |
| 157.5° | 742.1 | 741.2 | 740.2 | 739.3 | 738.3 | 738.3 | 739.4 | 740.5 | 741.5 | 742.6 | 743.5 |
| 160° | 750.3 | 749.5 | 748.8 | 748.0 | 747.3 | 747.3 | 748.0 | 748.8 | 749.5 | 750.3 | 751.1 |
| 162.5° | 757.6 | 756.8 | 756.1 | 755.3 | 754.5 | 754.5 | 755.1 | 755.7 | 756.5 | 757.1 | 758.0 |
| 165° | 767.3 | 766.5 | 765.8 | 765.0 | 764.2 | 764.1 | 764.5 | 764.9 | 765.2 | 765.6 | 766.4 |
| 167.5° | 774.5 | 773.8 | 773.0 | 772.3 | 771.5 | 771.3 | 771.7 | 772.0 | 772.4 | 772.7 | 773.6 |
| 170° | 778.6 | 777.8 | 777.1 | 776.3 | 775.6 | 775.3 | 775.6 | 775.9 | 776.1 | 776.3 | 777.2 |
| 172.5° | 781.3 | 780.5 | 779.8 | 779.0 | 778.3 | 778.1 | 778.3 | 778.6 | 778.8 | 779.0 | 780.0 |
| 175° | 784.8 | 783.9 | 783.1 | 782.2 | 781.3 | 781.0 | 781.3 | 781.5 | 781.7 | 782.0 | 782.9 |
| 177.5° | 785.4 | 784.7 | 784.0 | 783.3 | 782.6 | 782.3 | 782.4 | 782.5 | 782.6 | 782.7 | 783.4 |
| 180° | 783.2 | 783.2 | 783.2 | 783.2 | 783.2 | 783.2 | 783.2 | 783.2 | 783.2 | 783.2 | 783.2 |



TEST NUMBER: P331441-927

CATALOG NUMBER: S122DIP-S1005D725U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 837.7 | 837.7 | 837.7 | 837.7 | 837.7 | 837.7 | 837.7 | 837.7 |
| 2.5° | 835.0 | 836.1 | 837.2 | 837.5 | 837.0 | 836.6 | 836.1 | 835.8 |
| 5° | 832.4 | 834.1 | 835.7 | 836.3 | 836.1 | 835.8 | 835.5 | 835.3 |
| 7.5° | 828.5 | 830.4 | 832.3 | 833.2 | 832.9 | 832.7 | 832.3 | 832.1 |
| 10° | 825.0 | 827.2 | 829.3 | 830.3 | 830.0 | 829.7 | 829.5 | 829.2 |
| 12.5° | 819.2 | 821.3 | 823.5 | 824.4 | 824.2 | 823.9 | 823.6 | 823.4 |
| 15° | 808.6 | 811.0 | 813.4 | 814.5 | 814.2 | 814.0 | 813.7 | 813.4 |
| 17.5° | 795.0 | 797.5 | 800.0 | 801.3 | 801.3 | 801.3 | 801.3 | 801.3 |
| 20° | 784.1 | 787.1 | 790.0 | 791.5 | 791.5 | 791.5 | 791.5 | 791.5 |
| 22.5° | 772.5 | 775.5 | 778.4 | 780.1 | 780.5 | 781.0 | 781.4 | 781.9 |
| 25° | 754.3 | 757.6 | 760.8 | 762.8 | 763.7 | 764.5 | 765.2 | 766.0 |
| 27.5° | 734.2 | 738.3 | 742.4 | 744.7 | 745.4 | 745.9 | 746.6 | 747.1 |
| 30° | 720.1 | 724.4 | 728.7 | 731.3 | 732.1 | 732.8 | 733.7 | 734.5 |
| 32.5° | 704.9 | 709.8 | 714.8 | 718.0 | 719.5 | 720.9 | 722.4 | 723.8 |
| 35° | 683.3 | 689.2 | 695.1 | 699.0 | 700.9 | 702.8 | 704.7 | 706.5 |
| 37.5° | 661.0 | 667.6 | 674.1 | 678.4 | 680.4 | 682.5 | 684.4 | 686.4 |
| 40° | 645.3 | 652.4 | 659.3 | 664.1 | 666.5 | 668.9 | 671.4 | 673.8 |
| 42.5° | 630.1 | 637.8 | 645.5 | 650.5 | 652.9 | 655.4 | 657.7 | 660.2 |
| 45° | 606.7 | 615.1 | 623.4 | 629.0 | 631.7 | 634.4 | 637.1 | 639.8 |
| 47.5° | 582.5 | 591.2 | 600.0 | 605.9 | 608.8 | 611.8 | 614.7 | 617.7 |
| 50° | 565.9 | 575.0 | 584.2 | 590.3 | 593.3 | 596.2 | 599.2 | 602.1 |
| 52.5° | 547.9 | 557.2 | 566.6 | 572.9 | 576.1 | 579.3 | 582.5 | 585.7 |
| 55° | 520.9 | 530.5 | 540.3 | 546.8 | 550.3 | 553.9 | 557.4 | 560.9 |
| 57.5° | 492.3 | 502.7 | 513.2 | 520.1 | 523.7 | 527.3 | 530.8 | 534.4 |
| 60° | 473.3 | 483.6 | 493.8 | 500.9 | 504.6 | 508.4 | 512.2 | 515.9 |
| 62.5° | 453.3 | 464.1 | 475.1 | 482.3 | 485.8 | 489.4 | 493.0 | 496.5 |
| 65° | 422.8 | 433.8 | 444.9 | 452.2 | 455.7 | 459.1 | 462.7 | 466.2 |
| 67.5° | 391.9 | 403.1 | 414.2 | 421.7 | 425.3 | 429.0 | 432.7 | 436.3 |
| 70° | 370.4 | 382.0 | 393.6 | 401.0 | 404.3 | 407.5 | 410.7 | 414.0 |
| 72.5° | 349.6 | 361.0 | 372.3 | 380.0 | 383.9 | 387.8 | 391.7 | 395.5 |
| 75° | 318.2 | 329.8 | 341.4 | 349.0 | 352.4 | 356.0 | 359.5 | 363.0 |
| 77.5° | 287.5 | 299.0 | 310.6 | 318.3 | 322.0 | 325.8 | 329.6 | 333.4 |
| 80° | 266.6 | 278.1 | 289.4 | 296.9 | 300.7 | 304.4 | 308.2 | 312.0 |
| 82.5° | 247.2 | 258.6 | 269.9 | 277.3 | 280.9 | 284.5 | 288.0 | 291.6 |
| 85° | 219.4 | 230.7 | 242.0 | 249.5 | 253.3 | 257.1 | 260.9 | 264.7 |
| 87.5° | 198.4 | 209.5 | 220.6 | 228.0 | 231.5 | 235.0 | 238.4 | 242.0 |
| 90° | 194.4 | 205.9 | 217.3 | 224.7 | 228.2 | 231.7 | 235.2 | 238.7 |
| 92.5° | 186.5 | 197.3 | 208.3 | 215.4 | 218.8 | 222.2 | 225.6 | 228.9 |
| 95° | 183.5 | 194.3 | 205.3 | 212.2 | 215.3 | 218.5 | 221.6 | 224.7 |
| 97.5° | 179.7 | 190.2 | 200.7 | 207.6 | 211.0 | 214.3 | 217.6 | 220.9 |
| 100° | 175.7 | 186.6 | 197.6 | 204.8 | 207.9 | 211.2 | 214.4 | 217.6 |
| 102.5° | 170.0 | 181.0 | 192.1 | 199.3 | 202.6 | 206.0 | 209.3 | 212.6 |
| 105° | 160.7 | 171.4 | 182.3 | 189.4 | 192.9 | 196.4 | 199.9 | 203.4 |
| 107.5° | 158.1 | 165.8 | 173.5 | 179.0 | 182.5 | 186.0 | 189.4 | 192.9 |
| 110° | 179.9 | 175.9 | 172.0 | 171.7 | 175.2 | 178.6 | 182.1 | 185.6 |



TEST NUMBER: P331441-927

CATALOG NUMBER: S122DIP-S1005D725U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 257.4 | 220.1 | 182.8 | 165.8 | 169.1 | 172.5 | 175.9 | 179.3 |
| 115° | 322.0 | 271.9 | 221.7 | 193.5 | 187.4 | 181.3 | 175.2 | 169.1 |
| 117.5° | 437.9 | 431.8 | 425.7 | 409.1 | 382.1 | 355.0 | 328.0 | 301.0 |
| 120° | 490.6 | 499.6 | 508.7 | 506.2 | 492.2 | 478.2 | 464.1 | 450.1 |
| 122.5° | 509.8 | 518.1 | 526.3 | 530.0 | 529.3 | 528.5 | 527.8 | 527.0 |
| 125° | 536.5 | 544.6 | 552.8 | 558.3 | 561.1 | 563.9 | 566.6 | 569.5 |
| 127.5° | 560.4 | 568.4 | 576.4 | 581.6 | 584.0 | 586.5 | 588.9 | 591.4 |
| 130° | 575.7 | 583.5 | 591.4 | 596.4 | 598.3 | 600.4 | 602.5 | 604.4 |
| 132.5° | 590.3 | 597.8 | 605.2 | 609.9 | 612.0 | 614.0 | 616.0 | 618.1 |
| 135° | 611.4 | 618.4 | 625.3 | 629.7 | 631.6 | 633.5 | 635.4 | 637.3 |
| 137.5° | 630.7 | 636.9 | 643.1 | 646.9 | 648.3 | 649.7 | 651.2 | 652.5 |
| 140° | 643.5 | 649.0 | 654.3 | 657.6 | 658.5 | 659.6 | 660.5 | 661.6 |
| 142.5° | 656.4 | 660.8 | 665.4 | 668.0 | 668.8 | 669.6 | 670.3 | 671.1 |
| 145° | 675.4 | 677.9 | 680.4 | 682.0 | 682.7 | 683.4 | 684.1 | 684.8 |
| 147.5° | 692.8 | 693.6 | 694.5 | 695.0 | 695.1 | 695.2 | 695.3 | 695.5 |
| 150° | 704.7 | 705.5 | 706.2 | 706.3 | 705.7 | 705.0 | 704.4 | 703.8 |
| 152.5° | 716.1 | 716.8 | 717.6 | 717.6 | 716.8 | 715.9 | 715.1 | 714.2 |
| 155° | 731.4 | 732.1 | 732.9 | 732.8 | 731.7 | 730.8 | 729.8 | 728.7 |
| 157.5° | 744.3 | 745.1 | 746.0 | 745.9 | 745.0 | 743.9 | 743.0 | 742.0 |
| 160° | 751.8 | 752.6 | 753.3 | 753.2 | 752.3 | 751.5 | 750.6 | 749.7 |
| 162.5° | 758.8 | 759.6 | 760.5 | 760.4 | 759.3 | 758.2 | 757.2 | 756.1 |
| 165° | 767.3 | 768.3 | 769.1 | 769.1 | 768.3 | 767.3 | 766.4 | 765.6 |
| 167.5° | 774.5 | 775.4 | 776.3 | 776.1 | 775.0 | 773.9 | 772.7 | 771.6 |
| 170° | 778.1 | 779.0 | 779.9 | 779.7 | 778.6 | 777.4 | 776.3 | 775.2 |
| 172.5° | 780.9 | 781.7 | 782.6 | 782.4 | 781.3 | 780.2 | 779.0 | 777.9 |
| 175° | 783.8 | 784.7 | 785.5 | 785.4 | 784.1 | 782.8 | 781.6 | 780.3 |
| 177.5° | 784.1 | 784.8 | 785.5 | 785.4 | 784.5 | 783.6 | 782.7 | 781.8 |
| 180° | 783.2 | 783.2 | 783.2 | 783.2 | 783.2 | 783.2 | 783.2 | 783.2 |

(END OF REPORT)