

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: P331396-940

Luminaire Tested: **S122DIP-S865D725U940-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331396-940
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-S865D725U940-4F0-1E-UDD-D
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 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: 5700.4 lumens
Efficiency: N/A
Efficacy: 104.8 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

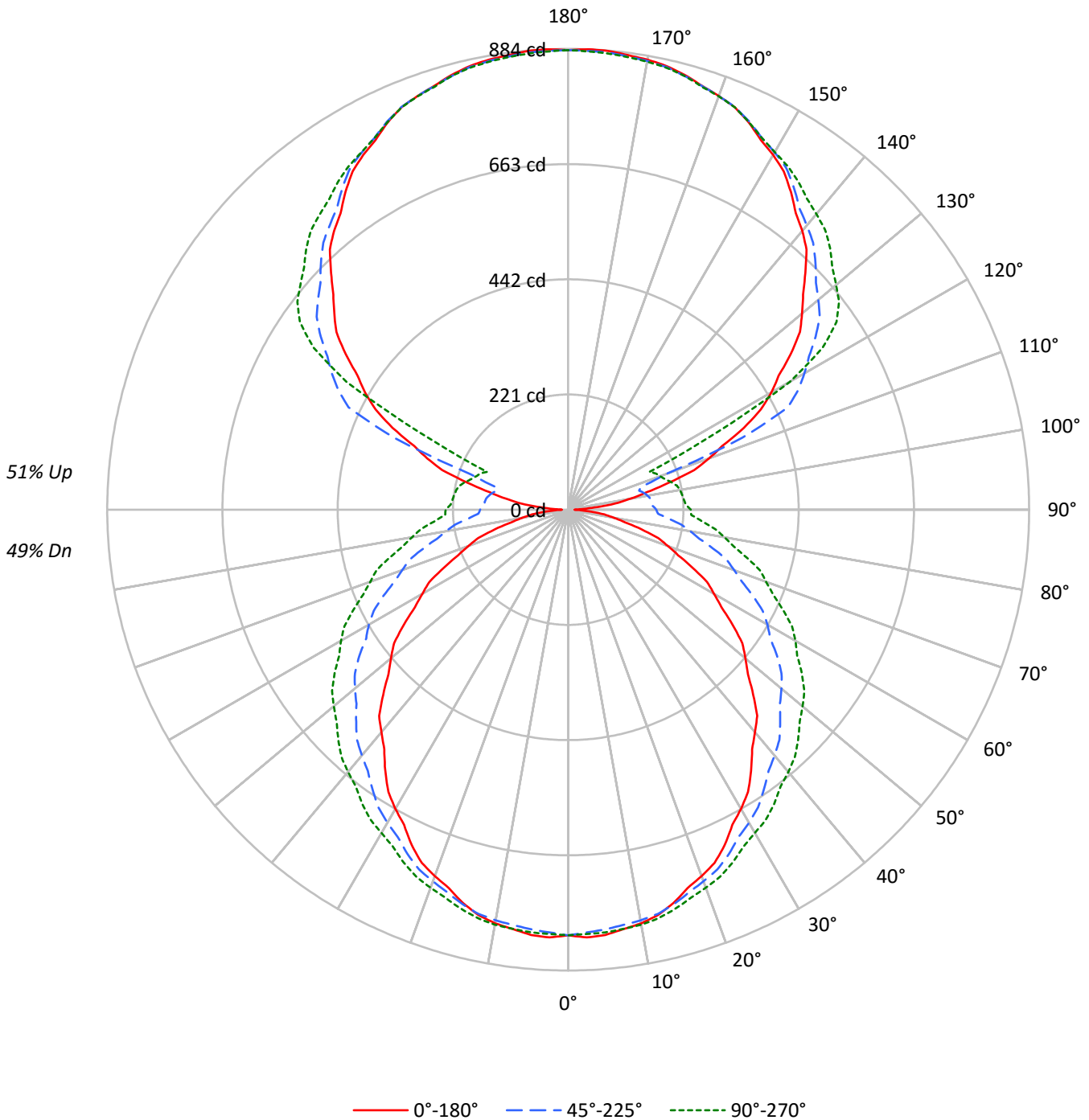
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331396-940

CATALOG NUMBER: S122DIP-S865D725U940-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P331396-940

CATALOG NUMBER: S122DIP-S865D725U940-4F0-1E-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 | 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 | 44 | 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 | 40 | 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 | 24 | 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° | 13183 | 13183 | 13183 |
| 5° | 13247 | 12690 | 12640 |
| 10° | 13163 | 12315 | 12177 |
| 15° | 12982 | 11917 | 11686 |
| 20° | 12752 | 11492 | 11215 |
| 25° | 12527 | 11082 | 10786 |
| 30° | 12206 | 10661 | 10357 |
| 35° | 11884 | 10253 | 10054 |
| 40° | 11544 | 9907 | 9750 |
| 45° | 11222 | 9597 | 9493 |
| 50° | 10875 | 9317 | 9238 |
| 55° | 10513 | 9015 | 8977 |
| 60° | 10070 | 8702 | 8703 |
| 65° | 9607 | 8336 | 8376 |
| 70° | 9087 | 7940 | 8025 |
| 75° | 8422 | 7553 | 7701 |
| 80° | 7376 | 7159 | 7372 |
| 85° | 6374 | 6817 | 7118 |



TEST NUMBER: P331396-940

CATALOG NUMBER: S122DIP-S865D725U940-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 77.4 | 1.4 |
| 10°-20° | 221.8 | 3.9 |
| 20°-30° | 336.2 | 5.9 |
| 30°-40° | 409.5 | 7.2 |
| 40°-50° | 440.5 | 7.7 |
| 50°-60° | 427.8 | 7.5 |
| 60°-70° | 373.5 | 6.6 |
| 70°-80° | 287.6 | 5.0 |
| 80°-90° | 195.2 | 3.4 |
| 90°-100° | 162.4 | 2.8 |
| 100°-110° | 204.9 | 3.6 |
| 110°-120° | 352.4 | 6.2 |
| 120°-130° | 511.6 | 9.0 |
| 130°-140° | 521.0 | 9.1 |
| 140°-150° | 472.9 | 8.3 |
| 150°-160° | 378.1 | 6.6 |
| 160°-170° | 243.7 | 4.3 |
| 170°-180° | 83.9 | 1.5 |
| 0°-30° | 635.4 | 11.1 |
| 0°-40° | 1044.8 | 18.3 |
| 0°-60° | 1913.1 | 33.6 |
| 0°-90° | 2769.4 | 48.6 |
| 90°-120° | 719.7 | 12.6 |
| 90°-150° | 2225.3 | 39.0 |
| 90°-180° | 2931.0 | 51.4 |
| 0°-180° | 5700.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 816 | 816 | 816 | 816 | 816 | |
| 5° | 819 | 815 | 808 | 815 | 814 | 78 |
| 15° | 781 | 783 | 783 | 793 | 793 | 220 |
| 25° | 710 | 718 | 729 | 742 | 747 | 326 |
| 35° | 612 | 632 | 654 | 679 | 689 | 382 |
| 45° | 502 | 534 | 575 | 610 | 624 | 387 |
| 55° | 385 | 428 | 489 | 530 | 547 | 344 |
| 65° | 263 | 321 | 390 | 437 | 454 | 261 |
| 75° | 146 | 212 | 288 | 336 | 354 | 154 |
| 85° | 43 | 116 | 192 | 240 | 258 | 46 |
| 90° | 12 | 88 | 169 | 217 | 235 | 10 |
| 95° | 51 | 88 | 161 | 207 | 223 | 58 |
| 105° | 200 | 244 | 141 | 187 | 205 | 214 |
| 115° | 372 | 398 | 465 | 217 | 172 | 365 |
| 125° | 521 | 532 | 579 | 614 | 628 | 465 |
| 135° | 643 | 654 | 671 | 701 | 710 | 497 |
| 145° | 744 | 744 | 755 | 766 | 769 | 466 |
| 155° | 820 | 815 | 822 | 825 | 820 | 378 |
| 165° | 864 | 860 | 862 | 866 | 862 | 244 |
| 175° | 883 | 879 | 880 | 884 | 878 | 84 |
| 180° | 882 | 882 | 882 | 882 | 882 | |



TEST NUMBER: P331396-940

CATALOG NUMBER: S122DIP-S865D725U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 816.5 | 816.5 | 816.5 | 816.5 | 816.5 | 816.5 | 816.5 | 816.5 | 816.5 | 816.5 | 816.5 |
| 2.5° | 821.2 | 820.6 | 819.9 | 819.3 | 818.7 | 817.6 | 816.1 | 814.7 | 813.2 | 811.7 | 812.8 |
| 5° | 818.8 | 818.1 | 817.3 | 816.5 | 815.6 | 814.5 | 812.9 | 811.3 | 809.8 | 808.2 | 809.8 |
| 7.5° | 811.5 | 810.9 | 810.4 | 809.9 | 809.4 | 808.5 | 807.3 | 806.1 | 804.9 | 803.7 | 805.6 |
| 10° | 805.8 | 805.3 | 804.8 | 804.2 | 803.7 | 803.1 | 802.3 | 801.5 | 800.7 | 799.9 | 802.0 |
| 12.5° | 796.3 | 796.5 | 796.6 | 796.7 | 796.7 | 796.5 | 795.9 | 795.3 | 794.8 | 794.2 | 796.3 |
| 15° | 781.0 | 781.5 | 782.0 | 782.6 | 783.0 | 783.3 | 783.3 | 783.3 | 783.3 | 783.3 | 785.7 |
| 17.5° | 761.1 | 762.1 | 763.3 | 764.4 | 765.4 | 766.4 | 767.3 | 768.1 | 769.0 | 769.8 | 772.3 |
| 20° | 747.8 | 749.1 | 750.5 | 751.8 | 753.0 | 754.3 | 755.3 | 756.3 | 757.4 | 758.5 | 761.3 |
| 22.5° | 733.6 | 735.1 | 736.6 | 738.2 | 739.7 | 741.2 | 742.7 | 744.1 | 745.6 | 747.1 | 750.0 |
| 25° | 710.0 | 711.8 | 713.6 | 715.5 | 717.3 | 719.4 | 721.8 | 724.2 | 726.5 | 728.9 | 732.0 |
| 27.5° | 681.5 | 684.6 | 687.5 | 690.5 | 693.6 | 696.4 | 699.2 | 702.0 | 704.8 | 707.6 | 711.6 |
| 30° | 662.6 | 666.0 | 669.5 | 672.9 | 676.3 | 679.8 | 683.1 | 686.5 | 690.0 | 693.4 | 697.6 |
| 32.5° | 641.8 | 645.6 | 649.4 | 653.4 | 657.2 | 661.1 | 665.1 | 669.2 | 673.2 | 677.3 | 682.2 |
| 35° | 611.7 | 616.2 | 620.7 | 625.2 | 629.6 | 634.4 | 639.4 | 644.4 | 649.3 | 654.3 | 660.1 |
| 37.5° | 579.1 | 584.2 | 589.4 | 594.5 | 599.7 | 605.5 | 612.0 | 618.5 | 624.9 | 631.4 | 637.8 |
| 40° | 557.3 | 563.1 | 568.9 | 574.7 | 580.4 | 586.9 | 594.0 | 601.1 | 608.2 | 615.3 | 622.1 |
| 42.5° | 536.5 | 542.2 | 548.0 | 553.8 | 559.6 | 566.6 | 574.7 | 582.9 | 591.0 | 599.2 | 606.6 |
| 45° | 501.7 | 508.8 | 515.9 | 523.0 | 530.1 | 538.2 | 547.4 | 556.7 | 565.9 | 575.1 | 583.2 |
| 47.5° | 467.3 | 475.1 | 482.9 | 490.6 | 498.3 | 507.6 | 518.4 | 529.1 | 539.9 | 550.7 | 559.2 |
| 50° | 443.7 | 451.8 | 460.0 | 468.1 | 476.4 | 486.3 | 498.1 | 510.0 | 521.8 | 533.7 | 542.6 |
| 52.5° | 421.0 | 429.5 | 438.2 | 446.7 | 455.3 | 465.8 | 478.3 | 490.7 | 503.2 | 515.7 | 524.8 |
| 55° | 384.6 | 394.0 | 403.5 | 413.0 | 422.4 | 434.0 | 447.6 | 461.4 | 475.0 | 488.7 | 498.1 |
| 57.5° | 348.6 | 359.3 | 370.0 | 380.6 | 391.3 | 403.6 | 417.5 | 431.5 | 445.4 | 459.3 | 469.6 |
| 60° | 323.1 | 334.3 | 345.6 | 357.0 | 368.3 | 381.4 | 396.4 | 411.3 | 426.3 | 441.4 | 451.4 |
| 62.5° | 300.3 | 312.0 | 323.8 | 335.5 | 347.2 | 360.6 | 375.6 | 390.6 | 405.6 | 420.5 | 431.1 |
| 65° | 262.7 | 275.5 | 288.5 | 301.3 | 314.2 | 328.4 | 343.9 | 359.4 | 375.0 | 390.5 | 401.3 |
| 67.5° | 228.1 | 241.6 | 255.0 | 268.5 | 282.0 | 296.7 | 312.5 | 328.4 | 344.3 | 360.2 | 371.0 |
| 70° | 203.5 | 217.2 | 230.9 | 244.5 | 258.2 | 273.2 | 289.5 | 305.8 | 322.1 | 338.4 | 349.7 |
| 72.5° | 180.8 | 194.9 | 209.0 | 223.1 | 237.2 | 252.4 | 269.0 | 285.5 | 302.0 | 318.5 | 329.7 |
| 75° | 145.5 | 160.2 | 175.0 | 189.8 | 204.5 | 220.3 | 237.0 | 253.9 | 270.7 | 287.5 | 298.8 |
| 77.5° | 111.5 | 126.9 | 142.3 | 157.7 | 173.1 | 189.3 | 206.4 | 223.6 | 240.6 | 257.7 | 268.9 |
| 80° | 88.7 | 104.8 | 120.8 | 136.9 | 152.9 | 169.4 | 186.5 | 203.7 | 220.7 | 237.8 | 248.9 |
| 82.5° | 69.8 | 85.6 | 101.5 | 117.3 | 133.1 | 149.7 | 167.0 | 184.3 | 201.6 | 218.9 | 230.0 |
| 85° | 42.6 | 58.9 | 75.2 | 91.5 | 107.8 | 124.4 | 141.2 | 158.0 | 174.9 | 191.7 | 202.8 |
| 87.5° | 23.4 | 39.3 | 55.3 | 71.2 | 87.2 | 103.8 | 120.8 | 137.9 | 155.0 | 172.0 | 182.9 |
| 90° | 12.5 | 29.2 | 46.1 | 62.9 | 79.7 | 97.1 | 115.0 | 133.0 | 151.0 | 169.0 | 180.2 |
| 92.5° | 23.8 | 37.8 | 51.9 | 66.0 | 80.0 | 95.4 | 112.2 | 128.9 | 145.7 | 162.5 | 173.2 |
| 95° | 50.9 | 58.6 | 66.3 | 74.0 | 81.7 | 93.9 | 110.7 | 127.4 | 144.2 | 161.0 | 171.7 |
| 97.5° | 90.6 | 88.4 | 86.2 | 84.0 | 81.8 | 89.4 | 106.8 | 124.3 | 141.8 | 159.2 | 169.5 |
| 100° | 121.2 | 111.5 | 101.8 | 92.1 | 82.4 | 86.1 | 103.3 | 120.4 | 137.6 | 154.7 | 165.6 |
| 102.5° | 153.9 | 158.7 | 163.5 | 168.3 | 173.0 | 172.5 | 166.7 | 160.8 | 154.9 | 149.1 | 160.1 |
| 105° | 199.8 | 211.7 | 223.6 | 235.5 | 247.4 | 240.8 | 215.7 | 190.7 | 165.7 | 140.7 | 151.4 |
| 107.5° | 253.5 | 263.1 | 272.6 | 282.1 | 291.7 | 279.8 | 246.5 | 213.1 | 179.9 | 146.5 | 153.8 |
| 110° | 287.3 | 295.5 | 303.8 | 312.0 | 320.2 | 310.3 | 282.2 | 254.1 | 226.0 | 198.0 | 192.3 |



TEST NUMBER: P331396-940

CATALOG NUMBER: S122DIP-S865D725U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 319.9 | 327.0 | 334.0 | 341.2 | 348.2 | 352.8 | 354.9 | 357.0 | 359.2 | 361.3 | 318.0 |
| 115° | 371.5 | 376.8 | 382.1 | 387.4 | 392.7 | 403.1 | 418.4 | 433.8 | 449.2 | 464.6 | 406.8 |
| 117.5° | 416.3 | 421.0 | 425.5 | 430.2 | 434.7 | 443.7 | 457.1 | 470.5 | 483.8 | 497.2 | 489.1 |
| 120° | 450.0 | 453.3 | 456.4 | 459.6 | 462.8 | 470.9 | 483.9 | 497.0 | 510.1 | 523.2 | 532.3 |
| 122.5° | 478.7 | 481.3 | 483.9 | 486.6 | 489.3 | 497.0 | 509.6 | 522.3 | 534.9 | 547.6 | 555.8 |
| 125° | 520.9 | 522.8 | 524.7 | 526.5 | 528.3 | 534.8 | 545.9 | 557.1 | 568.1 | 579.3 | 587.3 |
| 127.5° | 560.4 | 562.1 | 563.9 | 565.7 | 567.5 | 572.7 | 581.6 | 590.4 | 599.1 | 608.0 | 615.9 |
| 130° | 585.4 | 587.4 | 589.4 | 591.4 | 593.4 | 598.0 | 605.0 | 612.1 | 619.2 | 626.2 | 634.1 |
| 132.5° | 610.9 | 612.5 | 614.2 | 615.9 | 617.6 | 621.3 | 627.1 | 632.9 | 638.7 | 644.5 | 652.0 |
| 135° | 642.9 | 645.2 | 647.4 | 649.7 | 651.9 | 655.1 | 659.0 | 662.8 | 666.7 | 670.7 | 677.6 |
| 137.5° | 676.5 | 678.0 | 679.5 | 681.0 | 682.6 | 684.7 | 687.2 | 689.8 | 692.4 | 695.1 | 701.2 |
| 140° | 698.4 | 699.3 | 700.1 | 701.0 | 701.9 | 703.4 | 705.4 | 707.5 | 709.6 | 711.7 | 717.2 |
| 142.5° | 716.8 | 717.5 | 718.3 | 719.0 | 719.8 | 721.1 | 723.0 | 724.9 | 726.7 | 728.7 | 733.2 |
| 145° | 744.4 | 744.2 | 744.1 | 744.0 | 743.9 | 744.9 | 747.3 | 749.8 | 752.2 | 754.6 | 757.2 |
| 147.5° | 769.5 | 769.0 | 768.5 | 767.9 | 767.4 | 768.3 | 770.7 | 773.0 | 775.4 | 777.8 | 778.7 |
| 150° | 785.9 | 784.9 | 783.9 | 782.9 | 781.9 | 782.6 | 784.8 | 787.0 | 789.3 | 791.6 | 792.5 |
| 152.5° | 799.6 | 798.5 | 797.5 | 796.3 | 795.2 | 795.8 | 797.9 | 800.0 | 802.2 | 804.3 | 805.2 |
| 155° | 819.7 | 818.4 | 817.1 | 815.8 | 814.6 | 814.8 | 816.5 | 818.1 | 819.8 | 821.5 | 822.4 |
| 157.5° | 835.4 | 834.3 | 833.2 | 832.1 | 831.1 | 831.1 | 832.3 | 833.5 | 834.6 | 835.9 | 836.9 |
| 160° | 844.5 | 843.6 | 842.8 | 842.0 | 841.2 | 841.2 | 842.0 | 842.8 | 843.6 | 844.5 | 845.4 |
| 162.5° | 852.7 | 851.9 | 851.0 | 850.2 | 849.3 | 849.3 | 850.0 | 850.7 | 851.5 | 852.2 | 853.2 |
| 165° | 863.7 | 862.8 | 862.0 | 861.1 | 860.2 | 860.1 | 860.5 | 860.9 | 861.3 | 861.7 | 862.7 |
| 167.5° | 871.8 | 871.0 | 870.1 | 869.3 | 868.4 | 868.2 | 868.6 | 869.0 | 869.4 | 869.8 | 870.8 |
| 170° | 876.5 | 875.6 | 874.8 | 873.9 | 873.1 | 872.7 | 873.1 | 873.3 | 873.6 | 873.9 | 874.9 |
| 172.5° | 879.5 | 878.6 | 877.8 | 876.9 | 876.1 | 875.8 | 876.1 | 876.4 | 876.6 | 876.9 | 878.0 |
| 175° | 883.4 | 882.4 | 881.5 | 880.5 | 879.5 | 879.1 | 879.4 | 879.7 | 879.9 | 880.3 | 881.3 |
| 177.5° | 884.1 | 883.3 | 882.5 | 881.7 | 880.9 | 880.6 | 880.7 | 880.8 | 880.9 | 881.0 | 881.8 |
| 180° | 881.5 | 881.5 | 881.5 | 881.5 | 881.5 | 881.5 | 881.5 | 881.5 | 881.5 | 881.5 | 881.5 |



TEST NUMBER: P331396-940

CATALOG NUMBER: S122DIP-S865D725U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 816.5 | 816.5 | 816.5 | 816.5 | 816.5 | 816.5 | 816.5 | 816.5 |
| 2.5° | 813.8 | 814.8 | 815.9 | 816.3 | 815.8 | 815.4 | 814.9 | 814.6 |
| 5° | 811.3 | 812.9 | 814.5 | 815.1 | 814.8 | 814.6 | 814.3 | 814.0 |
| 7.5° | 807.4 | 809.3 | 811.3 | 812.1 | 811.8 | 811.5 | 811.3 | 811.0 |
| 10° | 804.1 | 806.2 | 808.3 | 809.2 | 809.0 | 808.7 | 808.4 | 808.2 |
| 12.5° | 798.4 | 800.5 | 802.6 | 803.5 | 803.3 | 803.0 | 802.7 | 802.5 |
| 15° | 788.0 | 790.4 | 792.8 | 793.8 | 793.5 | 793.3 | 793.0 | 792.8 |
| 17.5° | 774.8 | 777.2 | 779.7 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 |
| 20° | 764.3 | 767.1 | 770.0 | 771.5 | 771.5 | 771.5 | 771.5 | 771.5 |
| 22.5° | 752.9 | 755.8 | 758.7 | 760.4 | 760.7 | 761.2 | 761.6 | 762.1 |
| 25° | 735.2 | 738.3 | 741.5 | 743.5 | 744.2 | 745.0 | 745.8 | 746.6 |
| 27.5° | 715.6 | 719.6 | 723.5 | 725.9 | 726.5 | 727.0 | 727.6 | 728.2 |
| 30° | 701.8 | 706.0 | 710.2 | 712.7 | 713.5 | 714.3 | 715.1 | 715.9 |
| 32.5° | 687.0 | 691.8 | 696.6 | 699.8 | 701.2 | 702.6 | 704.0 | 705.4 |
| 35° | 665.9 | 671.7 | 677.5 | 681.3 | 683.1 | 685.0 | 686.8 | 688.7 |
| 37.5° | 644.2 | 650.6 | 657.0 | 661.2 | 663.2 | 665.1 | 667.1 | 669.1 |
| 40° | 628.9 | 635.8 | 642.7 | 647.2 | 649.6 | 651.9 | 654.3 | 656.7 |
| 42.5° | 614.1 | 621.6 | 629.1 | 634.0 | 636.3 | 638.7 | 641.1 | 643.5 |
| 45° | 591.4 | 599.5 | 607.7 | 613.1 | 615.7 | 618.3 | 621.0 | 623.6 |
| 47.5° | 567.8 | 576.2 | 584.8 | 590.5 | 593.3 | 596.3 | 599.1 | 602.1 |
| 50° | 551.5 | 560.4 | 569.4 | 575.3 | 578.2 | 581.1 | 584.0 | 586.9 |
| 52.5° | 534.0 | 543.1 | 552.2 | 558.4 | 561.5 | 564.6 | 567.7 | 570.8 |
| 55° | 507.7 | 517.1 | 526.6 | 533.0 | 536.4 | 539.8 | 543.2 | 546.6 |
| 57.5° | 479.7 | 489.9 | 500.2 | 507.0 | 510.4 | 513.9 | 517.4 | 520.8 |
| 60° | 461.4 | 471.4 | 481.3 | 488.1 | 491.9 | 495.5 | 499.2 | 502.9 |
| 62.5° | 441.8 | 452.4 | 463.0 | 470.1 | 473.5 | 477.0 | 480.5 | 483.9 |
| 65° | 412.1 | 422.8 | 433.6 | 440.7 | 444.1 | 447.5 | 450.9 | 454.3 |
| 67.5° | 381.9 | 392.8 | 403.8 | 411.0 | 414.6 | 418.1 | 421.7 | 425.3 |
| 70° | 361.1 | 372.3 | 383.6 | 390.8 | 394.0 | 397.2 | 400.4 | 403.5 |
| 72.5° | 340.7 | 351.8 | 362.9 | 370.3 | 374.2 | 377.9 | 381.7 | 385.5 |
| 75° | 310.1 | 321.5 | 332.8 | 340.1 | 343.6 | 347.0 | 350.4 | 353.8 |
| 77.5° | 280.3 | 291.5 | 302.7 | 310.2 | 313.9 | 317.5 | 321.3 | 324.9 |
| 80° | 259.9 | 271.0 | 282.0 | 289.4 | 293.0 | 296.8 | 300.4 | 304.1 |
| 82.5° | 241.0 | 252.0 | 263.1 | 270.4 | 273.8 | 277.2 | 280.7 | 284.2 |
| 85° | 213.7 | 224.8 | 235.9 | 243.3 | 246.9 | 250.6 | 254.2 | 258.0 |
| 87.5° | 193.8 | 204.6 | 215.4 | 222.7 | 226.0 | 229.4 | 232.9 | 236.3 |
| 90° | 191.4 | 202.6 | 213.8 | 221.1 | 224.6 | 228.1 | 231.5 | 235.0 |
| 92.5° | 183.8 | 194.5 | 205.2 | 212.1 | 215.5 | 218.8 | 222.1 | 225.5 |
| 95° | 182.4 | 193.1 | 203.8 | 210.6 | 213.7 | 216.6 | 219.6 | 222.7 |
| 97.5° | 179.8 | 190.1 | 200.4 | 207.1 | 210.4 | 213.7 | 217.0 | 220.3 |
| 100° | 176.4 | 187.3 | 198.1 | 205.2 | 208.3 | 211.5 | 214.7 | 217.8 |
| 102.5° | 171.0 | 182.1 | 193.1 | 200.2 | 203.5 | 206.8 | 210.1 | 213.4 |
| 105° | 162.2 | 173.0 | 183.7 | 190.8 | 194.3 | 197.8 | 201.2 | 204.6 |
| 107.5° | 161.0 | 168.3 | 175.5 | 180.8 | 184.3 | 187.8 | 191.3 | 194.7 |
| 110° | 186.5 | 180.7 | 175.0 | 173.8 | 177.3 | 180.7 | 184.2 | 187.6 |



TEST NUMBER: P331396-940

CATALOG NUMBER: S122DIP-S865D725U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 274.7 | 231.4 | 188.2 | 168.2 | 171.5 | 174.9 | 178.2 | 181.6 |
| 115° | 349.1 | 291.3 | 233.6 | 201.1 | 193.8 | 186.5 | 179.1 | 171.8 |
| 117.5° | 481.0 | 473.0 | 464.8 | 445.4 | 414.6 | 383.6 | 352.8 | 321.9 |
| 120° | 541.3 | 550.4 | 559.5 | 555.8 | 539.6 | 523.3 | 507.1 | 490.9 |
| 122.5° | 563.9 | 572.1 | 580.3 | 583.7 | 582.6 | 581.3 | 580.1 | 578.8 |
| 125° | 595.4 | 603.5 | 611.6 | 617.1 | 619.8 | 622.6 | 625.4 | 628.2 |
| 127.5° | 623.9 | 631.9 | 639.8 | 645.0 | 647.4 | 649.8 | 652.2 | 654.6 |
| 130° | 642.0 | 649.9 | 657.7 | 662.6 | 664.6 | 666.6 | 668.5 | 670.5 |
| 132.5° | 659.4 | 666.9 | 674.3 | 679.0 | 681.0 | 683.0 | 684.9 | 686.9 |
| 135° | 684.6 | 691.5 | 698.4 | 702.8 | 704.6 | 706.4 | 708.3 | 710.1 |
| 137.5° | 707.5 | 713.7 | 720.0 | 723.7 | 725.1 | 726.3 | 727.6 | 729.0 |
| 140° | 722.6 | 728.2 | 733.6 | 736.8 | 737.6 | 738.5 | 739.4 | 740.3 |
| 142.5° | 737.7 | 742.3 | 746.8 | 749.4 | 750.0 | 750.7 | 751.4 | 752.0 |
| 145° | 759.7 | 762.3 | 764.9 | 766.4 | 767.0 | 767.7 | 768.3 | 768.9 |
| 147.5° | 779.7 | 780.7 | 781.6 | 782.1 | 782.1 | 782.2 | 782.2 | 782.2 |
| 150° | 793.3 | 794.2 | 795.0 | 795.0 | 794.3 | 793.6 | 792.9 | 792.2 |
| 152.5° | 806.0 | 806.9 | 807.8 | 807.7 | 806.8 | 805.8 | 804.9 | 804.0 |
| 155° | 823.3 | 824.1 | 825.0 | 824.8 | 823.7 | 822.6 | 821.4 | 820.3 |
| 157.5° | 837.8 | 838.7 | 839.7 | 839.6 | 838.6 | 837.4 | 836.3 | 835.3 |
| 160° | 846.2 | 847.1 | 847.9 | 847.8 | 846.9 | 845.9 | 844.9 | 843.9 |
| 162.5° | 854.1 | 855.1 | 856.0 | 856.0 | 854.7 | 853.5 | 852.3 | 851.0 |
| 165° | 863.7 | 864.8 | 865.8 | 865.8 | 864.8 | 863.7 | 862.7 | 861.7 |
| 167.5° | 871.8 | 872.8 | 873.8 | 873.6 | 872.4 | 871.1 | 869.8 | 868.5 |
| 170° | 875.8 | 876.8 | 877.9 | 877.7 | 876.5 | 875.1 | 873.9 | 872.6 |
| 172.5° | 879.0 | 879.9 | 880.9 | 880.7 | 879.5 | 878.2 | 876.9 | 875.7 |
| 175° | 882.3 | 883.2 | 884.2 | 884.0 | 882.6 | 881.2 | 879.8 | 878.3 |
| 177.5° | 882.6 | 883.4 | 884.2 | 884.1 | 883.1 | 882.1 | 881.0 | 880.0 |
| 180° | 881.5 | 881.5 | 881.5 | 881.5 | 881.5 | 881.5 | 881.5 | 881.5 |

(END OF REPORT)