

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: P331406-930

Luminaire Tested: **S122DIP-S865D925U930-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331406-930
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: S122DIP-S865D925U930-4F0-1E-UDD-D1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5547.7 lumens
Efficiency: N/A
Efficacy: 91.7 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

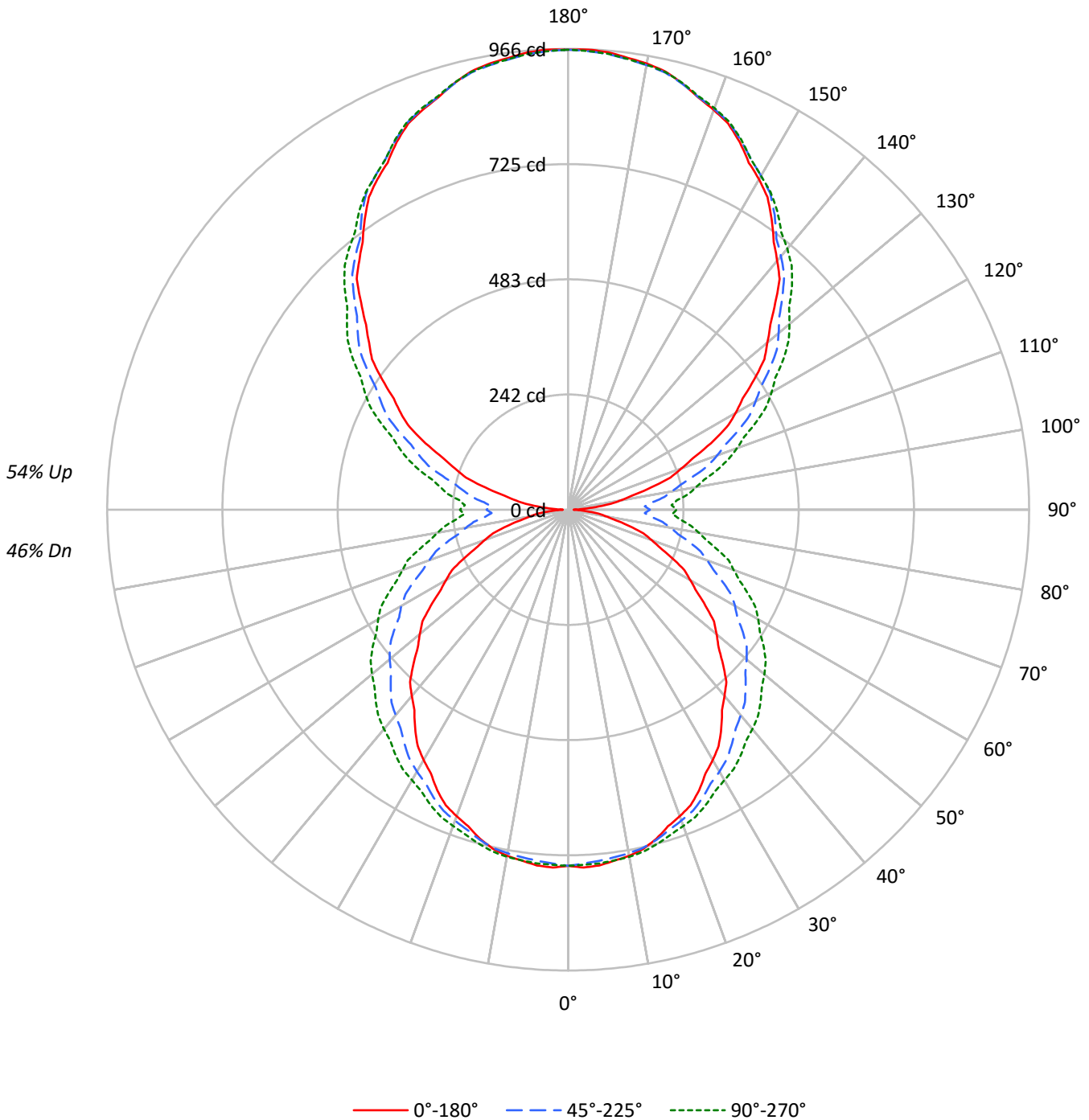
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331406-930

CATALOG NUMBER: S122DIP-S865D925U930-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331406-930

CATALOG NUMBER: S122DIP-S865D925U930-4F0-1E-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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 81 | 81 | 81 | 66 | 66 | 66 | 52 | 52 | 52 | 46 |
| 1 | 95 | 91 | 86 | 82 | 87 | 83 | 79 | 76 | 69 | 66 | 64 | 56 | 54 | 52 | 44 | 43 | 41 | 36 |
| 2 | 86 | 78 | 72 | 66 | 79 | 72 | 66 | 61 | 60 | 55 | 51 | 48 | 45 | 42 | 38 | 36 | 34 | 29 |
| 3 | 78 | 68 | 61 | 54 | 71 | 63 | 56 | 50 | 52 | 47 | 43 | 42 | 38 | 35 | 33 | 30 | 28 | 24 |
| 4 | 71 | 60 | 52 | 45 | 65 | 55 | 48 | 42 | 46 | 40 | 36 | 37 | 33 | 30 | 29 | 26 | 24 | 20 |
| 5 | 65 | 53 | 45 | 39 | 60 | 49 | 42 | 36 | 41 | 35 | 31 | 33 | 29 | 26 | 26 | 23 | 21 | 17 |
| 6 | 60 | 48 | 39 | 33 | 55 | 44 | 36 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 20 | 18 | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 19 | 22 | 18 | 16 | 13 |
| 8 | 51 | 39 | 31 | 25 | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 20 | 17 | 20 | 16 | 14 | 12 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 28 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 13 | 10 |
| 10 | 45 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 14 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 12053 | 12053 | 12053 |
| 5° | 12111 | 11602 | 11558 |
| 10° | 12036 | 11258 | 11133 |
| 15° | 11869 | 10896 | 10685 |
| 20° | 11659 | 10507 | 10254 |
| 25° | 11452 | 10132 | 9863 |
| 30° | 11160 | 9747 | 9469 |
| 35° | 10866 | 9375 | 9193 |
| 40° | 10556 | 9059 | 8916 |
| 45° | 10260 | 8774 | 8678 |
| 50° | 9944 | 8519 | 8446 |
| 55° | 9611 | 8242 | 8208 |
| 60° | 9207 | 7957 | 7957 |
| 65° | 8784 | 7620 | 7658 |
| 70° | 8310 | 7260 | 7336 |
| 75° | 7704 | 6907 | 7041 |
| 80° | 6744 | 6545 | 6739 |
| 85° | 5835 | 6234 | 6508 |



TEST NUMBER: P331406-930

CATALOG NUMBER: S122DIP-S865D925U930-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 70.7 | 1.3 |
| 10°-20° | 202.8 | 3.7 |
| 20°-30° | 307.4 | 5.5 |
| 30°-40° | 374.4 | 6.7 |
| 40°-50° | 402.8 | 7.3 |
| 50°-60° | 391.1 | 7.1 |
| 60°-70° | 341.5 | 6.2 |
| 70°-80° | 262.9 | 4.7 |
| 80°-90° | 180.3 | 3.3 |
| 90°-100° | 182.7 | 3.3 |
| 100°-110° | 278.5 | 5.0 |
| 110°-120° | 383.0 | 6.9 |
| 120°-130° | 459.3 | 8.3 |
| 130°-140° | 492.4 | 8.9 |
| 140°-150° | 471.8 | 8.5 |
| 150°-160° | 393.7 | 7.1 |
| 160°-170° | 261.1 | 4.7 |
| 170°-180° | 91.3 | 1.6 |
| 0°-30° | 580.9 | 10.5 |
| 0°-40° | 955.3 | 17.2 |
| 0°-60° | 1749.2 | 31.5 |
| 0°-90° | 2533.9 | 45.7 |
| 90°-120° | 844.1 | 15.2 |
| 90°-150° | 2267.6 | 40.9 |
| 90°-180° | 3014.0 | 54.3 |
| 0°-180° | 5547.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 746 | 746 | 746 | 746 | 746 | |
| 5° | 749 | 745 | 739 | 745 | 744 | 71 |
| 15° | 714 | 716 | 716 | 725 | 725 | 201 |
| 25° | 649 | 657 | 666 | 679 | 683 | 298 |
| 35° | 559 | 578 | 598 | 621 | 630 | 349 |
| 45° | 459 | 488 | 526 | 558 | 570 | 354 |
| 55° | 352 | 392 | 447 | 484 | 500 | 314 |
| 65° | 240 | 294 | 357 | 400 | 415 | 239 |
| 75° | 133 | 194 | 263 | 308 | 324 | 141 |
| 85° | 39 | 106 | 175 | 219 | 236 | 42 |
| 90° | 12 | 85 | 171 | 211 | 227 | 9 |
| 95° | 51 | 110 | 176 | 216 | 229 | 55 |
| 105° | 180 | 216 | 272 | 310 | 323 | 191 |
| 115° | 330 | 348 | 394 | 424 | 435 | 326 |
| 125° | 476 | 484 | 515 | 541 | 551 | 425 |
| 135° | 614 | 623 | 635 | 656 | 663 | 474 |
| 145° | 744 | 749 | 754 | 761 | 764 | 465 |
| 155° | 850 | 853 | 855 | 859 | 857 | 391 |
| 165° | 925 | 924 | 924 | 929 | 926 | 261 |
| 175° | 962 | 960 | 958 | 964 | 959 | 91 |
| 180° | 964 | 964 | 964 | 964 | 964 | |



TEST NUMBER: P331406-930

CATALOG NUMBER: S122DIP-S865D925U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 |
| 2.5° | 750.8 | 750.2 | 749.7 | 749.1 | 748.5 | 747.5 | 746.2 | 744.9 | 743.5 | 742.2 | 743.1 |
| 5° | 748.6 | 748.0 | 747.2 | 746.5 | 745.8 | 744.7 | 743.2 | 741.8 | 740.4 | 738.9 | 740.4 |
| 7.5° | 741.9 | 741.4 | 740.9 | 740.5 | 740.0 | 739.2 | 738.1 | 737.0 | 735.9 | 734.8 | 736.5 |
| 10° | 736.8 | 736.3 | 735.8 | 735.3 | 734.8 | 734.3 | 733.5 | 732.8 | 732.1 | 731.3 | 733.3 |
| 12.5° | 728.1 | 728.2 | 728.3 | 728.4 | 728.5 | 728.2 | 727.7 | 727.2 | 726.7 | 726.1 | 728.1 |
| 15° | 714.0 | 714.5 | 715.0 | 715.5 | 715.9 | 716.2 | 716.2 | 716.2 | 716.2 | 716.2 | 718.4 |
| 17.5° | 695.9 | 696.8 | 697.9 | 698.9 | 699.9 | 700.7 | 701.6 | 702.3 | 703.1 | 703.8 | 706.1 |
| 20° | 683.7 | 684.9 | 686.2 | 687.4 | 688.5 | 689.7 | 690.6 | 691.5 | 692.5 | 693.5 | 696.1 |
| 22.5° | 670.7 | 672.1 | 673.5 | 674.9 | 676.3 | 677.7 | 679.1 | 680.4 | 681.8 | 683.1 | 685.7 |
| 25° | 649.1 | 650.8 | 652.5 | 654.2 | 655.8 | 657.8 | 659.9 | 662.1 | 664.2 | 666.4 | 669.3 |
| 27.5° | 623.1 | 625.9 | 628.6 | 631.4 | 634.1 | 636.7 | 639.3 | 641.9 | 644.4 | 646.9 | 650.6 |
| 30° | 605.8 | 608.9 | 612.1 | 615.2 | 618.3 | 621.5 | 624.6 | 627.7 | 630.9 | 634.0 | 637.8 |
| 32.5° | 586.8 | 590.3 | 593.8 | 597.4 | 600.9 | 604.5 | 608.1 | 611.9 | 615.6 | 619.2 | 623.7 |
| 35° | 559.3 | 563.4 | 567.5 | 571.6 | 575.7 | 580.0 | 584.6 | 589.1 | 593.7 | 598.3 | 603.6 |
| 37.5° | 529.5 | 534.2 | 538.9 | 543.6 | 548.3 | 553.6 | 559.5 | 565.5 | 571.4 | 577.3 | 583.2 |
| 40° | 509.6 | 514.9 | 520.2 | 525.5 | 530.7 | 536.6 | 543.1 | 549.6 | 556.1 | 562.6 | 568.8 |
| 42.5° | 490.5 | 495.8 | 501.1 | 506.4 | 511.7 | 518.0 | 525.5 | 533.0 | 540.4 | 547.9 | 554.6 |
| 45° | 458.7 | 465.2 | 471.7 | 478.2 | 484.7 | 492.1 | 500.5 | 509.0 | 517.4 | 525.8 | 533.2 |
| 47.5° | 427.3 | 434.4 | 441.5 | 448.6 | 455.6 | 464.1 | 473.9 | 483.8 | 493.7 | 503.5 | 511.3 |
| 50° | 405.7 | 413.1 | 420.6 | 428.0 | 435.5 | 444.7 | 455.4 | 466.3 | 477.1 | 488.0 | 496.1 |
| 52.5° | 384.9 | 392.7 | 400.6 | 408.5 | 416.3 | 425.9 | 437.3 | 448.7 | 460.1 | 471.5 | 479.8 |
| 55° | 351.6 | 360.3 | 368.9 | 377.6 | 386.2 | 396.8 | 409.3 | 421.8 | 434.3 | 446.8 | 455.4 |
| 57.5° | 318.7 | 328.5 | 338.3 | 348.0 | 357.8 | 369.0 | 381.7 | 394.5 | 407.2 | 420.0 | 429.3 |
| 60° | 295.4 | 305.7 | 316.0 | 326.4 | 336.7 | 348.7 | 362.4 | 376.1 | 389.8 | 403.6 | 412.7 |
| 62.5° | 274.6 | 285.3 | 296.0 | 306.7 | 317.5 | 329.7 | 343.4 | 357.1 | 370.8 | 384.5 | 394.2 |
| 65° | 240.2 | 251.9 | 263.7 | 275.5 | 287.3 | 300.3 | 314.5 | 328.6 | 342.8 | 357.0 | 366.9 |
| 67.5° | 208.6 | 220.9 | 233.2 | 245.5 | 257.8 | 271.3 | 285.8 | 300.3 | 314.8 | 329.3 | 339.2 |
| 70° | 186.1 | 198.6 | 211.1 | 223.6 | 236.1 | 249.8 | 264.7 | 279.6 | 294.5 | 309.4 | 319.8 |
| 72.5° | 165.3 | 178.2 | 191.1 | 204.0 | 216.9 | 230.8 | 246.0 | 261.1 | 276.1 | 291.2 | 301.4 |
| 75° | 133.1 | 146.5 | 160.0 | 173.5 | 186.9 | 201.4 | 216.7 | 232.1 | 247.5 | 262.9 | 273.2 |
| 77.5° | 101.9 | 116.0 | 130.1 | 144.1 | 158.2 | 173.1 | 188.7 | 204.4 | 220.0 | 235.6 | 245.9 |
| 80° | 81.1 | 95.8 | 110.5 | 125.1 | 139.8 | 154.9 | 170.6 | 186.2 | 201.8 | 217.4 | 227.6 |
| 82.5° | 63.8 | 78.3 | 92.8 | 107.2 | 121.7 | 136.9 | 152.7 | 168.5 | 184.3 | 200.2 | 210.3 |
| 85° | 39.0 | 53.9 | 68.7 | 83.6 | 98.6 | 113.7 | 129.1 | 144.5 | 159.9 | 175.3 | 185.4 |
| 87.5° | 21.4 | 36.1 | 50.9 | 65.6 | 80.4 | 95.9 | 112.1 | 128.2 | 144.5 | 160.6 | 170.3 |
| 90° | 11.7 | 27.7 | 43.9 | 60.0 | 76.1 | 93.8 | 113.2 | 132.6 | 151.9 | 171.3 | 180.5 |
| 92.5° | 24.5 | 39.0 | 53.6 | 68.2 | 82.8 | 97.9 | 113.7 | 129.4 | 145.1 | 160.9 | 170.4 |
| 95° | 51.0 | 64.1 | 77.2 | 90.3 | 103.4 | 117.3 | 132.2 | 146.9 | 161.7 | 176.5 | 185.6 |
| 97.5° | 84.9 | 96.5 | 108.1 | 119.8 | 131.4 | 144.6 | 159.1 | 173.6 | 188.1 | 202.7 | 211.6 |
| 100° | 110.9 | 121.2 | 131.6 | 141.9 | 152.3 | 164.4 | 178.5 | 192.5 | 206.4 | 220.5 | 229.3 |
| 102.5° | 137.4 | 146.7 | 156.0 | 165.3 | 174.5 | 186.1 | 199.8 | 213.5 | 227.3 | 241.1 | 250.0 |
| 105° | 180.3 | 187.8 | 195.3 | 202.8 | 210.4 | 220.6 | 233.4 | 246.3 | 259.2 | 272.1 | 280.8 |
| 107.5° | 224.7 | 231.1 | 237.5 | 243.9 | 250.2 | 259.3 | 271.3 | 283.3 | 295.3 | 307.3 | 315.5 |
| 110° | 252.5 | 258.4 | 264.2 | 270.2 | 276.1 | 284.9 | 296.7 | 308.4 | 320.2 | 332.0 | 339.7 |



TEST NUMBER: P331406-930

CATALOG NUMBER: S122DIP-S865D925U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 283.7 | 288.9 | 294.0 | 299.1 | 304.2 | 312.3 | 323.3 | 334.4 | 345.5 | 356.5 | 363.8 |
| 115° | 329.8 | 333.5 | 337.2 | 341.0 | 344.7 | 351.8 | 362.2 | 372.7 | 383.2 | 393.6 | 400.6 |
| 117.5° | 374.5 | 377.7 | 380.9 | 384.1 | 387.3 | 393.4 | 402.4 | 411.3 | 420.4 | 429.3 | 436.0 |
| 120° | 405.2 | 407.6 | 410.0 | 412.4 | 414.8 | 420.1 | 428.3 | 436.4 | 444.6 | 452.8 | 459.5 |
| 122.5° | 433.2 | 435.3 | 437.4 | 439.5 | 441.6 | 446.7 | 454.8 | 462.8 | 470.8 | 478.8 | 484.9 |
| 125° | 475.7 | 477.4 | 479.0 | 480.5 | 482.2 | 486.6 | 493.7 | 500.9 | 508.0 | 515.2 | 521.1 |
| 127.5° | 518.2 | 520.0 | 521.8 | 523.7 | 525.5 | 529.1 | 534.7 | 540.2 | 545.8 | 551.3 | 556.7 |
| 130° | 544.9 | 547.0 | 549.1 | 551.2 | 553.3 | 556.7 | 561.4 | 566.1 | 570.8 | 575.4 | 580.8 |
| 132.5° | 574.8 | 576.5 | 578.1 | 579.8 | 581.5 | 584.3 | 588.3 | 592.2 | 596.2 | 600.2 | 605.0 |
| 135° | 613.8 | 615.7 | 617.8 | 619.7 | 621.7 | 624.1 | 626.9 | 629.6 | 632.3 | 635.1 | 640.0 |
| 137.5° | 655.9 | 657.5 | 659.1 | 660.6 | 662.2 | 663.7 | 665.3 | 666.8 | 668.4 | 669.8 | 674.2 |
| 140° | 681.3 | 682.7 | 684.0 | 685.4 | 686.8 | 688.2 | 689.6 | 691.0 | 692.4 | 693.7 | 697.6 |
| 142.5° | 707.3 | 708.7 | 710.1 | 711.5 | 712.9 | 713.9 | 714.6 | 715.3 | 716.1 | 716.7 | 720.0 |
| 145° | 743.6 | 744.9 | 746.2 | 747.5 | 748.7 | 749.9 | 751.0 | 752.0 | 753.2 | 754.2 | 755.9 |
| 147.5° | 777.0 | 778.5 | 780.1 | 781.5 | 783.1 | 784.2 | 785.0 | 785.6 | 786.4 | 787.1 | 787.7 |
| 150° | 799.8 | 800.9 | 801.9 | 803.1 | 804.1 | 805.0 | 805.8 | 806.5 | 807.2 | 808.0 | 808.5 |
| 152.5° | 819.9 | 821.1 | 822.1 | 823.2 | 824.3 | 825.3 | 826.1 | 827.0 | 827.9 | 828.8 | 829.5 |
| 155° | 850.3 | 850.8 | 851.3 | 851.9 | 852.4 | 853.0 | 853.5 | 854.0 | 854.6 | 855.1 | 856.1 |
| 157.5° | 876.1 | 876.4 | 876.9 | 877.2 | 877.6 | 877.9 | 878.2 | 878.6 | 878.9 | 879.2 | 880.4 |
| 160° | 891.8 | 892.1 | 892.4 | 892.8 | 893.2 | 893.5 | 893.6 | 893.8 | 894.0 | 894.1 | 895.3 |
| 162.5° | 906.0 | 906.1 | 906.2 | 906.3 | 906.4 | 906.4 | 906.7 | 906.9 | 907.0 | 907.2 | 908.4 |
| 165° | 925.1 | 925.0 | 924.7 | 924.5 | 924.4 | 924.3 | 924.3 | 924.3 | 924.3 | 924.3 | 925.5 |
| 167.5° | 941.0 | 940.5 | 940.0 | 939.4 | 938.9 | 938.6 | 938.6 | 938.5 | 938.5 | 938.4 | 939.7 |
| 170° | 949.5 | 948.9 | 948.4 | 947.9 | 947.3 | 947.0 | 946.8 | 946.6 | 946.4 | 946.2 | 947.5 |
| 172.5° | 955.4 | 954.8 | 954.3 | 953.7 | 953.2 | 952.8 | 952.7 | 952.4 | 952.3 | 952.1 | 953.4 |
| 175° | 962.5 | 962.0 | 961.4 | 960.9 | 960.3 | 959.9 | 959.5 | 959.2 | 958.8 | 958.5 | 959.7 |
| 177.5° | 965.5 | 965.0 | 964.6 | 964.2 | 963.7 | 963.4 | 963.0 | 962.8 | 962.5 | 962.2 | 963.0 |
| 180° | 964.2 | 964.2 | 964.2 | 964.2 | 964.2 | 964.2 | 964.2 | 964.2 | 964.2 | 964.2 | 964.2 |



TEST NUMBER: P331406-930

CATALOG NUMBER: S122DIP-S865D925U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 | 746.5 |
| 2.5° | 744.0 | 745.0 | 746.0 | 746.3 | 745.9 | 745.5 | 745.1 | 744.8 |
| 5° | 741.8 | 743.2 | 744.7 | 745.3 | 745.0 | 744.8 | 744.5 | 744.3 |
| 7.5° | 738.3 | 740.0 | 741.8 | 742.5 | 742.2 | 742.0 | 741.8 | 741.5 |
| 10° | 735.2 | 737.1 | 739.1 | 739.9 | 739.6 | 739.4 | 739.2 | 738.9 |
| 12.5° | 730.0 | 731.9 | 733.9 | 734.7 | 734.4 | 734.2 | 733.9 | 733.7 |
| 15° | 720.5 | 722.7 | 724.9 | 725.8 | 725.5 | 725.3 | 725.0 | 724.9 |
| 17.5° | 708.4 | 710.6 | 712.9 | 714.0 | 714.0 | 714.0 | 714.0 | 714.0 |
| 20° | 698.8 | 701.4 | 704.0 | 705.4 | 705.4 | 705.4 | 705.4 | 705.4 |
| 22.5° | 688.4 | 691.0 | 693.7 | 695.2 | 695.5 | 695.9 | 696.3 | 696.8 |
| 25° | 672.2 | 675.1 | 678.0 | 679.8 | 680.4 | 681.2 | 681.9 | 682.7 |
| 27.5° | 654.3 | 657.9 | 661.5 | 663.7 | 664.2 | 664.7 | 665.3 | 665.8 |
| 30° | 641.6 | 645.5 | 649.4 | 651.7 | 652.3 | 653.1 | 653.8 | 654.5 |
| 32.5° | 628.1 | 632.5 | 636.9 | 639.8 | 641.1 | 642.4 | 643.7 | 645.0 |
| 35° | 608.9 | 614.2 | 619.5 | 622.9 | 624.6 | 626.3 | 627.9 | 629.7 |
| 37.5° | 589.0 | 594.8 | 600.7 | 604.5 | 606.3 | 608.1 | 609.9 | 611.7 |
| 40° | 575.0 | 581.3 | 587.6 | 591.7 | 593.9 | 596.1 | 598.3 | 600.5 |
| 42.5° | 561.5 | 568.3 | 575.2 | 579.7 | 581.8 | 584.0 | 586.1 | 588.3 |
| 45° | 540.7 | 548.1 | 555.6 | 560.5 | 563.0 | 565.3 | 567.8 | 570.1 |
| 47.5° | 519.1 | 526.8 | 534.7 | 539.9 | 542.5 | 545.2 | 547.8 | 550.5 |
| 50° | 504.3 | 512.4 | 520.7 | 526.0 | 528.6 | 531.3 | 533.9 | 536.6 |
| 52.5° | 488.2 | 496.6 | 504.9 | 510.5 | 513.4 | 516.2 | 519.0 | 521.9 |
| 55° | 464.1 | 472.8 | 481.4 | 487.3 | 490.4 | 493.6 | 496.7 | 499.8 |
| 57.5° | 438.6 | 447.9 | 457.3 | 463.6 | 466.7 | 469.9 | 473.0 | 476.2 |
| 60° | 421.8 | 431.0 | 440.1 | 446.3 | 449.7 | 453.1 | 456.4 | 459.8 |
| 62.5° | 403.9 | 413.6 | 423.3 | 429.8 | 432.9 | 436.1 | 439.3 | 442.5 |
| 65° | 376.7 | 386.6 | 396.5 | 402.9 | 406.0 | 409.2 | 412.3 | 415.4 |
| 67.5° | 349.2 | 359.1 | 369.2 | 375.8 | 379.0 | 382.3 | 385.6 | 388.8 |
| 70° | 330.1 | 340.4 | 350.7 | 357.3 | 360.3 | 363.1 | 366.1 | 368.9 |
| 72.5° | 311.5 | 321.6 | 331.8 | 338.6 | 342.1 | 345.5 | 349.0 | 352.5 |
| 75° | 283.6 | 293.9 | 304.3 | 311.0 | 314.1 | 317.2 | 320.3 | 323.5 |
| 77.5° | 256.2 | 266.5 | 276.8 | 283.6 | 287.0 | 290.3 | 293.8 | 297.1 |
| 80° | 237.7 | 247.8 | 257.9 | 264.6 | 267.9 | 271.3 | 274.7 | 278.0 |
| 82.5° | 220.4 | 230.4 | 240.5 | 247.2 | 250.4 | 253.5 | 256.7 | 259.8 |
| 85° | 195.4 | 205.5 | 215.6 | 222.4 | 225.8 | 229.1 | 232.4 | 235.9 |
| 87.5° | 180.1 | 189.8 | 199.6 | 206.0 | 209.1 | 212.2 | 215.3 | 218.4 |
| 90° | 189.8 | 199.0 | 208.3 | 214.4 | 217.5 | 220.6 | 223.6 | 226.7 |
| 92.5° | 179.9 | 189.4 | 198.9 | 205.0 | 208.0 | 210.9 | 213.9 | 216.8 |
| 95° | 194.8 | 203.9 | 213.0 | 218.8 | 221.4 | 223.9 | 226.4 | 228.9 |
| 97.5° | 220.5 | 229.3 | 238.2 | 244.1 | 246.9 | 249.7 | 252.5 | 255.3 |
| 100° | 238.2 | 247.1 | 256.1 | 261.7 | 264.2 | 266.7 | 269.1 | 271.6 |
| 102.5° | 258.8 | 267.7 | 276.5 | 282.2 | 284.6 | 287.1 | 289.5 | 292.0 |
| 105° | 289.6 | 298.4 | 307.1 | 312.8 | 315.5 | 318.1 | 320.8 | 323.4 |
| 107.5° | 323.7 | 331.9 | 340.1 | 345.2 | 347.0 | 348.8 | 350.6 | 352.5 |
| 110° | 347.4 | 355.1 | 362.8 | 367.7 | 369.8 | 371.9 | 374.0 | 376.1 |



TEST NUMBER: P331406-930

CATALOG NUMBER: S122DIP-S865D925U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 371.0 | 378.3 | 385.6 | 390.4 | 392.6 | 394.8 | 397.1 | 399.3 |
| 115° | 407.6 | 414.7 | 421.8 | 426.3 | 428.4 | 430.5 | 432.6 | 434.7 |
| 117.5° | 442.7 | 449.4 | 456.1 | 460.4 | 462.3 | 464.1 | 466.1 | 468.0 |
| 120° | 466.3 | 473.0 | 479.7 | 484.1 | 486.2 | 488.4 | 490.4 | 492.5 |
| 122.5° | 491.1 | 497.2 | 503.3 | 507.2 | 509.1 | 510.9 | 512.8 | 514.7 |
| 125° | 527.1 | 533.0 | 539.0 | 543.0 | 544.9 | 546.9 | 548.9 | 550.9 |
| 127.5° | 562.0 | 567.3 | 572.6 | 576.0 | 577.6 | 579.1 | 580.7 | 582.1 |
| 130° | 586.3 | 591.7 | 597.0 | 600.4 | 601.6 | 602.8 | 604.0 | 605.2 |
| 132.5° | 609.8 | 614.6 | 619.3 | 622.4 | 623.7 | 625.1 | 626.4 | 627.8 |
| 135° | 644.9 | 649.7 | 654.6 | 657.7 | 659.1 | 660.5 | 661.9 | 663.2 |
| 137.5° | 678.4 | 682.7 | 687.0 | 689.6 | 690.5 | 691.4 | 692.4 | 693.2 |
| 140° | 701.4 | 705.3 | 709.1 | 711.4 | 712.2 | 712.9 | 713.5 | 714.3 |
| 142.5° | 723.2 | 726.4 | 729.6 | 731.5 | 732.1 | 732.5 | 733.1 | 733.6 |
| 145° | 757.5 | 759.1 | 760.8 | 761.8 | 762.2 | 762.7 | 763.2 | 763.7 |
| 147.5° | 788.3 | 788.9 | 789.5 | 789.7 | 789.6 | 789.5 | 789.4 | 789.3 |
| 150° | 809.0 | 809.6 | 810.1 | 810.1 | 809.6 | 809.0 | 808.5 | 808.0 |
| 152.5° | 830.1 | 830.8 | 831.5 | 831.5 | 830.8 | 830.1 | 829.5 | 828.8 |
| 155° | 857.0 | 857.9 | 858.8 | 858.9 | 858.3 | 857.9 | 857.3 | 856.7 |
| 157.5° | 881.7 | 882.9 | 884.1 | 884.3 | 883.5 | 882.6 | 881.7 | 880.8 |
| 160° | 896.3 | 897.4 | 898.5 | 898.7 | 898.0 | 897.2 | 896.5 | 895.8 |
| 162.5° | 909.6 | 910.9 | 912.1 | 912.3 | 911.4 | 910.5 | 909.7 | 908.8 |
| 165° | 926.8 | 928.1 | 929.4 | 929.5 | 928.6 | 927.7 | 926.8 | 925.9 |
| 167.5° | 940.9 | 942.2 | 943.5 | 943.6 | 942.7 | 941.8 | 940.9 | 939.9 |
| 170° | 948.8 | 950.1 | 951.3 | 951.4 | 950.3 | 949.3 | 948.1 | 947.1 |
| 172.5° | 954.6 | 955.9 | 957.2 | 957.2 | 956.2 | 955.1 | 954.0 | 952.9 |
| 175° | 961.0 | 962.2 | 963.5 | 963.6 | 962.5 | 961.4 | 960.3 | 959.3 |
| 177.5° | 963.9 | 964.8 | 965.6 | 965.6 | 964.8 | 963.9 | 963.0 | 962.2 |
| 180° | 964.2 | 964.2 | 964.2 | 964.2 | 964.2 | 964.2 | 964.2 | 964.2 |

(END OF REPORT)