

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: P331666-927

Luminaire Tested: **S122RDIP-S485D925U927-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331666-927
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: S122RDIP-S485D925U927-4F0-1E-UDD-F
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4277.2 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 0.99 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

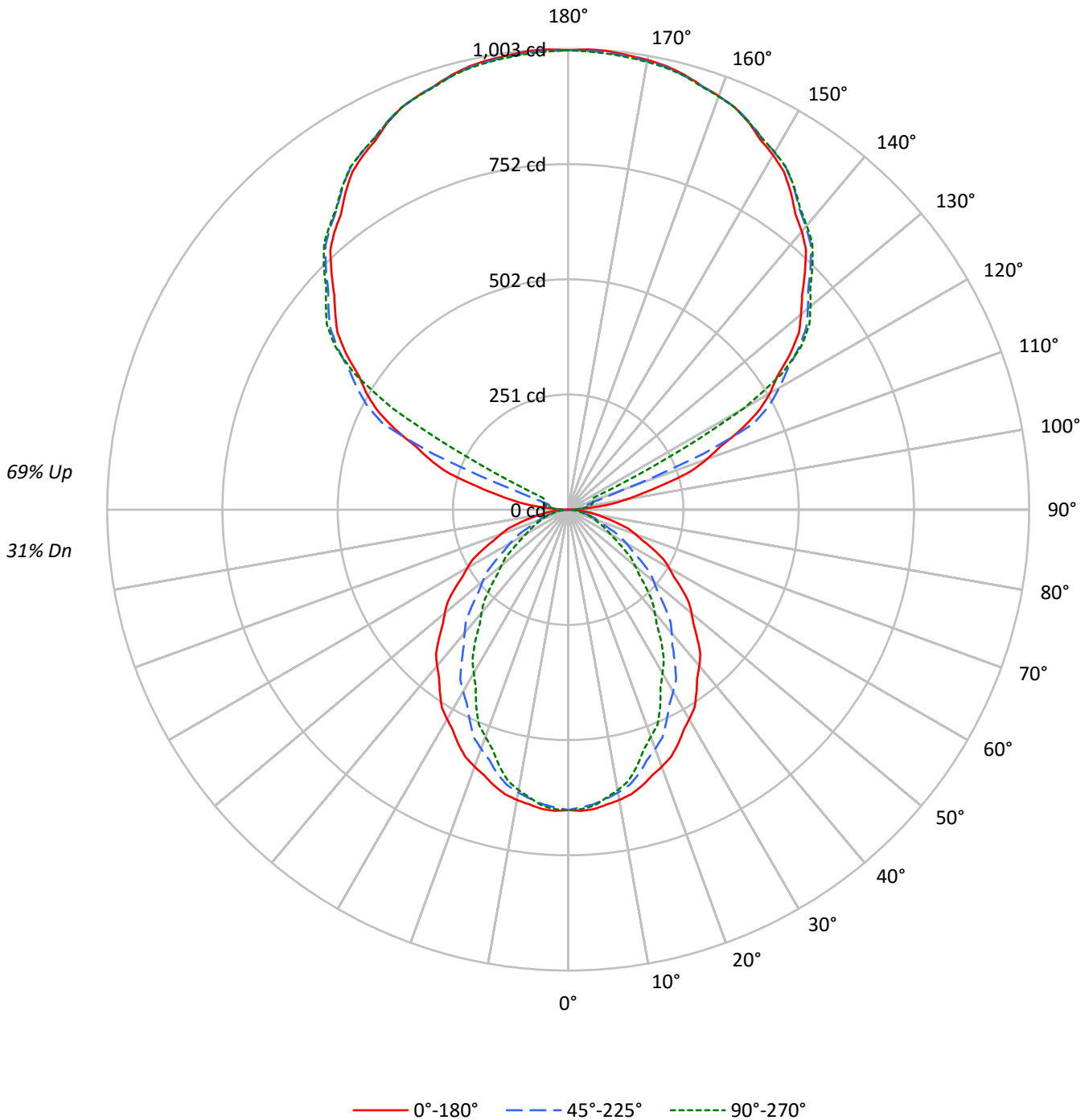
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331666-927

CATALOG NUMBER: S122RDIP-S485D925U927-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P331666-927

CATALOG NUMBER: S122RDIP-S485D925U927-4F0-1E-UDD-F

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 | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 39 | 39 | 39 | 31 |
| 1 | 94 | 90 | 86 | 83 | 84 | 81 | 78 | 75 | 64 | 62 | 60 | 49 | 48 | 47 | 35 | 34 | 34 | 27 |
| 2 | 86 | 79 | 73 | 68 | 77 | 71 | 66 | 62 | 57 | 53 | 50 | 43 | 41 | 39 | 31 | 30 | 29 | 23 |
| 3 | 78 | 69 | 63 | 57 | 70 | 63 | 57 | 52 | 50 | 46 | 43 | 39 | 36 | 34 | 28 | 26 | 25 | 20 |
| 4 | 72 | 62 | 54 | 48 | 64 | 56 | 49 | 44 | 45 | 40 | 37 | 35 | 31 | 29 | 25 | 23 | 22 | 17 |
| 5 | 66 | 55 | 47 | 41 | 59 | 50 | 43 | 38 | 40 | 35 | 32 | 31 | 28 | 25 | 23 | 21 | 19 | 15 |
| 6 | 61 | 49 | 42 | 36 | 54 | 45 | 38 | 33 | 36 | 31 | 28 | 28 | 25 | 22 | 21 | 19 | 17 | 14 |
| 7 | 56 | 44 | 37 | 32 | 50 | 40 | 34 | 29 | 33 | 28 | 24 | 26 | 22 | 20 | 19 | 17 | 15 | 12 |
| 8 | 52 | 40 | 33 | 28 | 47 | 37 | 30 | 26 | 30 | 25 | 22 | 23 | 20 | 18 | 17 | 15 | 14 | 11 |
| 9 | 48 | 37 | 30 | 25 | 44 | 33 | 27 | 23 | 27 | 23 | 19 | 22 | 18 | 16 | 16 | 14 | 12 | 10 |
| 10 | 45 | 34 | 27 | 22 | 41 | 31 | 25 | 21 | 25 | 21 | 17 | 20 | 17 | 14 | 15 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10555 | 10555 | 10555 |
| 5° | 10595 | 10423 | 10481 |
| 10° | 10516 | 10252 | 10165 |
| 15° | 10394 | 9949 | 9663 |
| 20° | 10227 | 9514 | 9036 |
| 25° | 10055 | 9021 | 8432 |
| 30° | 9818 | 8516 | 7655 |
| 35° | 9585 | 7965 | 6974 |
| 40° | 9352 | 7396 | 6184 |
| 45° | 9079 | 6754 | 5471 |
| 50° | 8796 | 6106 | 4770 |
| 55° | 8510 | 5413 | 4096 |
| 60° | 8176 | 4682 | 3400 |
| 65° | 7798 | 3931 | 3095 |
| 70° | 7345 | 3238 | 2851 |
| 75° | 6787 | 2951 | 2658 |
| 80° | 5997 | 2641 | 2427 |
| 85° | 4705 | 2075 | 2075 |



TEST NUMBER: P331666-927

CATALOG NUMBER: S122RDIP-S485D925U927-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 61.2 | 1.4 |
| 10°-20° | 168.0 | 3.9 |
| 20°-30° | 235.9 | 5.5 |
| 30°-40° | 257.3 | 6.0 |
| 40°-50° | 236.6 | 5.5 |
| 50°-60° | 185.8 | 4.3 |
| 60°-70° | 121.1 | 2.8 |
| 70°-80° | 62.5 | 1.5 |
| 80°-90° | 18.7 | 0.4 |
| 90°-100° | 33.4 | 0.8 |
| 100°-110° | 122.3 | 2.9 |
| 110°-120° | 326.9 | 7.6 |
| 120°-130° | 539.7 | 12.6 |
| 130°-140° | 574.0 | 13.4 |
| 140°-150° | 533.5 | 12.5 |
| 150°-160° | 428.9 | 10.0 |
| 160°-170° | 276.4 | 6.5 |
| 170°-180° | 95.1 | 2.2 |
| 0°-30° | 465.2 | 10.9 |
| 0°-40° | 722.4 | 16.9 |
| 0°-60° | 1144.8 | 26.8 |
| 0°-90° | 1347.1 | 31.5 |
| 90°-120° | 482.6 | 11.3 |
| 90°-150° | 2129.7 | 49.8 |
| 90°-180° | 2930.0 | 68.5 |
| 0°-180° | 4277.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 654 | 654 | 654 | 654 | 654 | |
| 5° | 654 | 650 | 643 | 648 | 647 | 62 |
| 15° | 622 | 615 | 595 | 584 | 578 | 175 |
| 25° | 564 | 544 | 506 | 483 | 473 | 259 |
| 35° | 486 | 455 | 404 | 368 | 354 | 304 |
| 45° | 398 | 357 | 296 | 255 | 240 | 307 |
| 55° | 302 | 255 | 192 | 158 | 146 | 270 |
| 65° | 204 | 156 | 103 | 84 | 81 | 202 |
| 75° | 109 | 69 | 47 | 43 | 43 | 115 |
| 85° | 25 | 14 | 11 | 11 | 11 | 30 |
| 90° | 1 | 9 | 14 | 18 | 20 | 3 |
| 95° | 47 | 25 | 28 | 32 | 31 | 58 |
| 105° | 220 | 229 | 44 | 52 | 55 | 235 |
| 115° | 416 | 429 | 446 | 127 | 59 | 409 |
| 125° | 588 | 598 | 611 | 616 | 619 | 524 |
| 135° | 728 | 739 | 746 | 753 | 752 | 562 |
| 145° | 844 | 844 | 856 | 860 | 857 | 528 |
| 155° | 930 | 924 | 932 | 936 | 930 | 428 |
| 165° | 980 | 976 | 978 | 982 | 978 | 277 |
| 175° | 1002 | 997 | 998 | 1003 | 996 | 95 |
| 180° | 1000 | 1000 | 1000 | 1000 | 1000 | |



TEST NUMBER: P331666-927

CATALOG NUMBER: S122RDIP-S485D925U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 |
| 2.5° | 656.1 | 655.6 | 655.1 | 654.5 | 654.0 | 653.2 | 652.0 | 650.9 | 649.7 | 648.6 | 649.6 |
| 5° | 653.7 | 653.1 | 652.4 | 651.8 | 651.1 | 649.9 | 648.2 | 646.5 | 644.8 | 643.1 | 644.3 |
| 7.5° | 647.0 | 646.2 | 645.4 | 644.5 | 643.7 | 642.3 | 640.3 | 638.3 | 636.4 | 634.4 | 634.7 |
| 10° | 641.4 | 640.4 | 639.4 | 638.6 | 637.6 | 635.9 | 633.3 | 630.6 | 628.0 | 625.3 | 625.0 |
| 12.5° | 634.2 | 633.1 | 631.9 | 630.8 | 629.7 | 627.5 | 624.1 | 620.8 | 617.3 | 614.0 | 613.3 |
| 15° | 621.8 | 620.4 | 618.9 | 617.4 | 616.0 | 613.1 | 608.6 | 604.1 | 599.7 | 595.2 | 592.7 |
| 17.5° | 606.6 | 604.4 | 602.1 | 599.9 | 597.7 | 593.7 | 588.0 | 582.3 | 576.6 | 570.8 | 567.8 |
| 20° | 595.2 | 592.6 | 589.9 | 587.3 | 584.6 | 580.0 | 573.5 | 566.9 | 560.3 | 553.7 | 550.5 |
| 22.5° | 582.9 | 580.0 | 576.9 | 574.0 | 571.1 | 565.9 | 558.5 | 551.0 | 543.7 | 536.2 | 532.0 |
| 25° | 564.4 | 560.2 | 556.0 | 551.8 | 547.6 | 541.1 | 532.4 | 523.8 | 515.1 | 506.4 | 501.1 |
| 27.5° | 542.2 | 537.6 | 533.0 | 528.5 | 523.9 | 516.7 | 506.9 | 497.1 | 487.4 | 477.5 | 471.3 |
| 30° | 526.6 | 521.6 | 516.6 | 511.6 | 506.6 | 498.8 | 488.3 | 477.8 | 467.2 | 456.8 | 450.0 |
| 32.5° | 511.4 | 505.6 | 499.7 | 493.9 | 488.1 | 479.7 | 469.1 | 458.3 | 447.6 | 436.9 | 429.2 |
| 35° | 486.3 | 479.6 | 472.9 | 466.2 | 459.5 | 450.4 | 438.8 | 427.2 | 415.7 | 404.1 | 395.8 |
| 37.5° | 461.2 | 453.8 | 446.5 | 439.1 | 431.8 | 421.9 | 409.6 | 397.3 | 384.9 | 372.6 | 363.5 |
| 40° | 443.7 | 435.9 | 427.9 | 420.1 | 412.2 | 401.9 | 389.1 | 376.4 | 363.6 | 350.9 | 341.5 |
| 42.5° | 425.7 | 417.4 | 409.1 | 400.8 | 392.5 | 381.8 | 368.6 | 355.4 | 342.2 | 329.1 | 319.4 |
| 45° | 397.6 | 388.8 | 379.9 | 371.1 | 362.3 | 351.0 | 337.2 | 323.4 | 309.6 | 295.8 | 286.5 |
| 47.5° | 370.1 | 360.8 | 351.5 | 342.1 | 332.8 | 321.0 | 306.7 | 292.5 | 278.2 | 264.0 | 254.7 |
| 50° | 350.2 | 340.9 | 331.6 | 322.3 | 312.9 | 301.0 | 286.5 | 272.1 | 257.6 | 243.1 | 234.1 |
| 52.5° | 330.8 | 321.1 | 311.3 | 301.6 | 291.8 | 279.9 | 265.7 | 251.6 | 237.4 | 223.3 | 214.5 |
| 55° | 302.3 | 292.1 | 281.8 | 271.6 | 261.3 | 249.1 | 234.9 | 220.7 | 206.4 | 192.3 | 184.4 |
| 57.5° | 273.1 | 262.6 | 252.1 | 241.5 | 231.0 | 219.0 | 205.3 | 191.6 | 178.0 | 164.4 | 157.1 |
| 60° | 253.2 | 242.7 | 232.2 | 221.7 | 211.1 | 199.2 | 185.6 | 172.1 | 158.5 | 145.0 | 138.2 |
| 62.5° | 233.8 | 223.3 | 212.8 | 202.2 | 191.7 | 180.1 | 167.2 | 154.2 | 141.3 | 128.4 | 122.0 |
| 65° | 204.1 | 193.5 | 182.8 | 172.1 | 161.5 | 150.3 | 138.5 | 126.6 | 114.8 | 102.9 | 98.5 |
| 67.5° | 175.5 | 164.9 | 154.3 | 143.8 | 133.2 | 122.6 | 111.9 | 101.3 | 90.6 | 80.0 | 78.0 |
| 70° | 155.6 | 145.4 | 135.1 | 124.8 | 114.5 | 104.9 | 95.9 | 86.7 | 77.7 | 68.6 | 67.3 |
| 72.5° | 136.7 | 126.8 | 117.0 | 107.2 | 97.4 | 88.8 | 81.5 | 74.2 | 66.9 | 59.7 | 58.5 |
| 75° | 108.8 | 99.7 | 90.5 | 81.3 | 72.0 | 65.2 | 60.8 | 56.2 | 51.8 | 47.3 | 46.4 |
| 77.5° | 81.5 | 73.4 | 65.4 | 57.3 | 49.3 | 44.1 | 42.0 | 39.8 | 37.6 | 35.5 | 34.9 |
| 80° | 64.5 | 57.8 | 51.1 | 44.4 | 37.6 | 33.7 | 32.3 | 31.1 | 29.7 | 28.4 | 27.9 |
| 82.5° | 48.9 | 43.6 | 38.4 | 33.2 | 28.0 | 24.9 | 24.0 | 23.1 | 22.2 | 21.3 | 21.0 |
| 85° | 25.4 | 22.7 | 19.9 | 17.2 | 14.4 | 12.8 | 12.4 | 12.0 | 11.6 | 11.2 | 11.2 |
| 87.5° | 7.7 | 7.2 | 6.7 | 6.3 | 5.8 | 5.6 | 5.9 | 6.2 | 6.4 | 6.7 | 6.7 |
| 90° | 0.7 | 2.5 | 4.3 | 6.0 | 7.8 | 9.3 | 10.6 | 11.9 | 13.2 | 14.5 | 15.3 |
| 92.5° | 14.6 | 14.4 | 14.3 | 14.1 | 13.9 | 14.2 | 14.9 | 15.5 | 16.2 | 16.8 | 17.2 |
| 95° | 47.1 | 41.7 | 36.4 | 31.1 | 25.8 | 23.7 | 24.9 | 26.0 | 27.1 | 28.2 | 29.0 |
| 97.5° | 93.3 | 78.3 | 63.5 | 48.5 | 33.5 | 27.3 | 29.9 | 32.6 | 35.2 | 37.8 | 38.4 |
| 100° | 128.1 | 106.0 | 84.0 | 61.9 | 39.9 | 30.3 | 33.0 | 35.8 | 38.5 | 41.3 | 42.5 |
| 102.5° | 166.3 | 161.6 | 156.9 | 152.3 | 147.6 | 133.9 | 111.0 | 88.1 | 65.3 | 42.4 | 44.0 |
| 105° | 219.9 | 224.7 | 229.6 | 234.4 | 239.2 | 219.7 | 175.8 | 131.9 | 88.0 | 44.1 | 45.9 |
| 107.5° | 281.1 | 285.0 | 288.9 | 292.8 | 296.8 | 272.4 | 219.7 | 167.1 | 114.4 | 61.8 | 60.0 |
| 110° | 320.5 | 323.9 | 327.3 | 330.7 | 334.0 | 312.4 | 266.0 | 219.5 | 173.1 | 126.6 | 110.5 |



TEST NUMBER: P331666-927

CATALOG NUMBER: S122RDIP-S485D925U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 357.5 | 360.5 | 363.5 | 366.5 | 369.5 | 365.3 | 353.8 | 342.3 | 330.8 | 319.3 | 260.7 |
| 115° | 416.0 | 418.7 | 421.4 | 424.2 | 426.9 | 430.3 | 434.4 | 438.4 | 442.4 | 446.4 | 371.9 |
| 117.5° | 468.3 | 471.3 | 474.4 | 477.4 | 480.5 | 483.4 | 486.2 | 488.9 | 491.7 | 494.4 | 476.4 |
| 120° | 506.4 | 508.8 | 511.3 | 513.7 | 516.1 | 518.7 | 521.7 | 524.5 | 527.4 | 530.3 | 532.3 |
| 122.5° | 538.8 | 541.4 | 543.9 | 546.4 | 549.0 | 551.8 | 555.0 | 558.2 | 561.3 | 564.5 | 565.6 |
| 125° | 588.2 | 590.3 | 592.4 | 594.5 | 596.6 | 599.1 | 602.2 | 605.2 | 608.3 | 611.3 | 612.5 |
| 127.5° | 632.9 | 635.3 | 637.5 | 639.8 | 642.1 | 644.4 | 646.7 | 649.0 | 651.3 | 653.6 | 655.2 |
| 130° | 661.3 | 663.8 | 666.4 | 669.0 | 671.5 | 673.8 | 675.5 | 677.2 | 679.1 | 680.8 | 682.5 |
| 132.5° | 690.2 | 692.4 | 694.6 | 696.8 | 698.9 | 700.9 | 702.7 | 704.5 | 706.2 | 708.0 | 709.6 |
| 135° | 727.9 | 730.4 | 733.0 | 735.5 | 738.2 | 740.1 | 741.6 | 743.1 | 744.5 | 745.9 | 747.5 |
| 137.5° | 765.9 | 767.7 | 769.5 | 771.3 | 773.1 | 774.8 | 776.4 | 778.1 | 779.7 | 781.4 | 782.9 |
| 140° | 790.8 | 792.1 | 793.4 | 794.6 | 795.9 | 797.5 | 799.2 | 801.0 | 802.8 | 804.5 | 806.0 |
| 142.5° | 811.6 | 812.8 | 814.0 | 815.1 | 816.3 | 817.8 | 819.8 | 821.9 | 823.9 | 825.9 | 827.3 |
| 145° | 844.3 | 844.1 | 844.0 | 843.8 | 843.7 | 844.9 | 847.7 | 850.4 | 853.2 | 855.9 | 857.0 |
| 147.5° | 872.8 | 872.2 | 871.6 | 871.0 | 870.4 | 871.4 | 874.1 | 876.9 | 879.6 | 882.3 | 883.0 |
| 150° | 891.4 | 890.3 | 889.1 | 888.0 | 886.8 | 887.6 | 890.2 | 892.7 | 895.3 | 897.9 | 898.8 |
| 152.5° | 907.0 | 905.7 | 904.4 | 903.2 | 902.0 | 902.5 | 905.0 | 907.4 | 909.9 | 912.4 | 913.3 |
| 155° | 929.7 | 928.3 | 926.8 | 925.3 | 923.9 | 924.2 | 926.1 | 928.0 | 929.9 | 931.8 | 932.8 |
| 157.5° | 947.5 | 946.3 | 945.1 | 943.8 | 942.6 | 942.7 | 944.0 | 945.4 | 946.7 | 948.1 | 949.2 |
| 160° | 957.9 | 957.0 | 956.0 | 955.0 | 954.0 | 954.0 | 955.0 | 956.0 | 957.0 | 957.9 | 958.9 |
| 162.5° | 967.2 | 966.2 | 965.3 | 964.2 | 963.3 | 963.2 | 964.1 | 964.9 | 965.7 | 966.6 | 967.7 |
| 165° | 979.6 | 978.7 | 977.7 | 976.7 | 975.7 | 975.5 | 976.0 | 976.4 | 977.0 | 977.5 | 978.6 |
| 167.5° | 988.9 | 987.9 | 987.0 | 986.0 | 985.0 | 984.8 | 985.2 | 985.6 | 986.1 | 986.6 | 987.7 |
| 170° | 994.1 | 993.1 | 992.1 | 991.2 | 990.2 | 989.9 | 990.2 | 990.5 | 990.9 | 991.2 | 992.3 |
| 172.5° | 997.5 | 996.6 | 995.6 | 994.7 | 993.7 | 993.4 | 993.7 | 994.0 | 994.3 | 994.7 | 995.8 |
| 175° | 1002.0 | 1000.9 | 999.8 | 998.6 | 997.5 | 997.1 | 997.4 | 997.8 | 998.1 | 998.4 | 999.6 |
| 177.5° | 1002.7 | 1001.9 | 1001.0 | 1000.1 | 999.2 | 998.8 | 998.9 | 999.0 | 999.2 | 999.3 | 1000.2 |
| 180° | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 |



TEST NUMBER: P331666-927

CATALOG NUMBER: S122RDIP-S485D925U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 | 653.7 |
| 2.5° | 650.6 | 651.7 | 652.8 | 653.2 | 653.0 | 652.8 | 652.5 | 652.4 |
| 5° | 645.5 | 646.7 | 647.8 | 648.2 | 647.8 | 647.5 | 647.1 | 646.7 |
| 7.5° | 635.0 | 635.3 | 635.7 | 635.6 | 634.9 | 634.1 | 633.5 | 632.8 |
| 10° | 624.6 | 624.2 | 623.8 | 623.2 | 622.4 | 621.6 | 620.8 | 620.0 |
| 12.5° | 612.6 | 611.9 | 611.2 | 610.1 | 608.8 | 607.5 | 606.2 | 604.9 |
| 15° | 590.2 | 587.7 | 585.2 | 583.3 | 581.9 | 580.7 | 579.3 | 578.1 |
| 17.5° | 564.8 | 561.9 | 558.9 | 556.3 | 554.1 | 551.8 | 549.5 | 547.2 |
| 20° | 547.2 | 543.9 | 540.6 | 537.5 | 534.6 | 531.7 | 528.9 | 525.9 |
| 22.5° | 527.8 | 523.6 | 519.4 | 516.1 | 514.0 | 511.8 | 509.7 | 507.5 |
| 25° | 495.7 | 490.3 | 484.9 | 481.2 | 479.2 | 477.2 | 475.3 | 473.3 |
| 27.5° | 465.0 | 458.7 | 452.4 | 447.7 | 444.6 | 441.5 | 438.3 | 435.2 |
| 30° | 443.3 | 436.7 | 429.9 | 424.8 | 421.2 | 417.7 | 414.2 | 410.6 |
| 32.5° | 421.5 | 413.9 | 406.2 | 400.8 | 397.4 | 394.1 | 390.7 | 387.4 |
| 35° | 387.5 | 379.2 | 371.0 | 365.4 | 362.5 | 359.6 | 356.7 | 353.8 |
| 37.5° | 354.3 | 345.2 | 336.1 | 329.9 | 326.6 | 323.3 | 320.0 | 316.6 |
| 40° | 332.2 | 322.8 | 313.5 | 307.1 | 303.7 | 300.3 | 296.8 | 293.4 |
| 42.5° | 309.7 | 300.1 | 290.5 | 284.0 | 280.7 | 277.3 | 274.0 | 270.7 |
| 45° | 277.1 | 267.8 | 258.5 | 252.2 | 249.1 | 245.9 | 242.7 | 239.6 |
| 47.5° | 245.4 | 236.1 | 226.9 | 220.8 | 217.9 | 215.1 | 212.1 | 209.3 |
| 50° | 225.0 | 215.9 | 206.8 | 201.0 | 198.2 | 195.4 | 192.7 | 189.9 |
| 52.5° | 205.7 | 197.0 | 188.2 | 182.6 | 180.1 | 177.5 | 174.9 | 172.4 |
| 55° | 176.5 | 168.6 | 160.7 | 155.5 | 153.0 | 150.5 | 148.1 | 145.5 |
| 57.5° | 149.9 | 142.7 | 135.5 | 130.8 | 128.7 | 126.6 | 124.5 | 122.3 |
| 60° | 131.5 | 124.8 | 118.1 | 113.8 | 111.6 | 109.5 | 107.4 | 105.3 |
| 62.5° | 115.6 | 109.2 | 102.8 | 99.0 | 97.8 | 96.5 | 95.2 | 94.0 |
| 65° | 94.0 | 89.5 | 85.1 | 82.6 | 82.2 | 81.8 | 81.4 | 81.0 |
| 67.5° | 75.9 | 73.8 | 71.8 | 70.6 | 70.1 | 69.7 | 69.3 | 68.8 |
| 70° | 66.0 | 64.7 | 63.4 | 62.4 | 61.9 | 61.4 | 60.8 | 60.4 |
| 72.5° | 57.4 | 56.3 | 55.2 | 54.5 | 54.2 | 53.9 | 53.6 | 53.2 |
| 75° | 45.5 | 44.6 | 43.6 | 43.1 | 43.0 | 42.9 | 42.7 | 42.6 |
| 77.5° | 34.5 | 33.9 | 33.4 | 33.0 | 32.8 | 32.6 | 32.4 | 32.2 |
| 80° | 27.3 | 26.9 | 26.3 | 26.1 | 26.1 | 26.1 | 26.1 | 26.1 |
| 82.5° | 20.7 | 20.4 | 20.0 | 19.9 | 19.9 | 19.9 | 19.9 | 19.9 |
| 85° | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 |
| 87.5° | 6.8 | 6.8 | 6.9 | 7.0 | 7.1 | 7.1 | 7.1 | 7.2 |
| 90° | 16.1 | 16.9 | 17.7 | 18.2 | 18.5 | 18.9 | 19.3 | 19.6 |
| 92.5° | 17.6 | 18.1 | 18.5 | 18.8 | 18.9 | 19.2 | 19.3 | 19.6 |
| 95° | 29.8 | 30.7 | 31.4 | 31.8 | 31.6 | 31.4 | 31.3 | 31.1 |
| 97.5° | 39.1 | 39.7 | 40.3 | 40.7 | 41.0 | 41.1 | 41.4 | 41.5 |
| 100° | 43.8 | 45.1 | 46.4 | 47.2 | 47.5 | 47.8 | 48.2 | 48.5 |
| 102.5° | 45.7 | 47.5 | 49.1 | 50.1 | 50.6 | 51.0 | 51.5 | 52.0 |
| 105° | 47.7 | 49.4 | 51.2 | 52.4 | 53.1 | 53.7 | 54.3 | 55.0 |
| 107.5° | 58.1 | 56.4 | 54.6 | 54.0 | 54.7 | 55.3 | 55.9 | 56.6 |
| 110° | 94.4 | 78.3 | 62.3 | 54.6 | 55.2 | 55.8 | 56.5 | 57.2 |



TEST NUMBER: P331666-927

CATALOG NUMBER: S122RDIP-S485D925U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 112.5° | 202.1 | 143.4 | 84.8 | 55.7 | 56.2 | 56.7 | 57.2 | 57.8 |
| 115° | 297.5 | 223.1 | 148.6 | 105.6 | 94.0 | 82.5 | 70.9 | 59.3 |
| 117.5° | 458.4 | 440.5 | 422.4 | 394.3 | 356.3 | 318.3 | 280.3 | 242.2 |
| 120° | 534.2 | 536.1 | 538.1 | 528.1 | 506.4 | 484.7 | 463.0 | 441.3 |
| 122.5° | 566.8 | 567.9 | 569.1 | 567.6 | 563.4 | 559.1 | 554.9 | 550.7 |
| 125° | 613.6 | 614.7 | 615.8 | 616.6 | 617.1 | 617.6 | 618.1 | 618.6 |
| 127.5° | 656.9 | 658.5 | 660.2 | 661.0 | 661.2 | 661.2 | 661.3 | 661.4 |
| 130° | 684.4 | 686.1 | 687.9 | 688.7 | 688.6 | 688.3 | 688.2 | 688.0 |
| 132.5° | 711.1 | 712.6 | 714.1 | 714.7 | 714.5 | 714.4 | 714.2 | 714.1 |
| 135° | 749.2 | 750.8 | 752.3 | 753.0 | 752.7 | 752.3 | 752.0 | 751.7 |
| 137.5° | 784.5 | 786.1 | 787.7 | 788.2 | 787.7 | 787.1 | 786.6 | 786.0 |
| 140° | 807.4 | 808.9 | 810.3 | 810.6 | 809.8 | 809.1 | 808.3 | 807.4 |
| 142.5° | 828.5 | 829.9 | 831.2 | 831.5 | 830.7 | 829.9 | 829.1 | 828.2 |
| 145° | 858.2 | 859.3 | 860.4 | 860.5 | 859.8 | 859.0 | 858.2 | 857.4 |
| 147.5° | 883.9 | 884.7 | 885.6 | 885.7 | 884.9 | 884.3 | 883.6 | 883.0 |
| 150° | 899.8 | 900.8 | 901.7 | 901.8 | 901.0 | 900.2 | 899.4 | 898.6 |
| 152.5° | 914.3 | 915.2 | 916.2 | 916.2 | 915.0 | 914.0 | 913.0 | 911.9 |
| 155° | 933.8 | 934.8 | 935.7 | 935.6 | 934.3 | 933.0 | 931.7 | 930.4 |
| 157.5° | 950.2 | 951.3 | 952.4 | 952.4 | 951.1 | 949.8 | 948.6 | 947.4 |
| 160° | 959.8 | 960.8 | 961.8 | 961.7 | 960.5 | 959.4 | 958.3 | 957.2 |
| 162.5° | 968.8 | 969.9 | 971.0 | 970.8 | 969.5 | 968.0 | 966.7 | 965.3 |
| 165° | 979.7 | 980.8 | 981.9 | 981.9 | 980.8 | 979.7 | 978.6 | 977.5 |
| 167.5° | 988.8 | 989.9 | 991.1 | 990.9 | 989.4 | 988.0 | 986.6 | 985.1 |
| 170° | 993.5 | 994.6 | 995.7 | 995.5 | 994.1 | 992.6 | 991.2 | 989.8 |
| 172.5° | 996.9 | 998.1 | 999.2 | 999.0 | 997.5 | 996.1 | 994.7 | 993.2 |
| 175° | 1000.7 | 1001.8 | 1002.9 | 1002.7 | 1001.1 | 999.5 | 997.8 | 996.2 |
| 177.5° | 1001.1 | 1002.0 | 1002.9 | 1002.7 | 1001.6 | 1000.4 | 999.3 | 998.1 |
| 180° | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 |

(END OF REPORT)