

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: P332279-830

Luminaire Tested: **S123RDIP-S560D585U830-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332279-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S560D585U830-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4219.7 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.06 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: General Diffuse

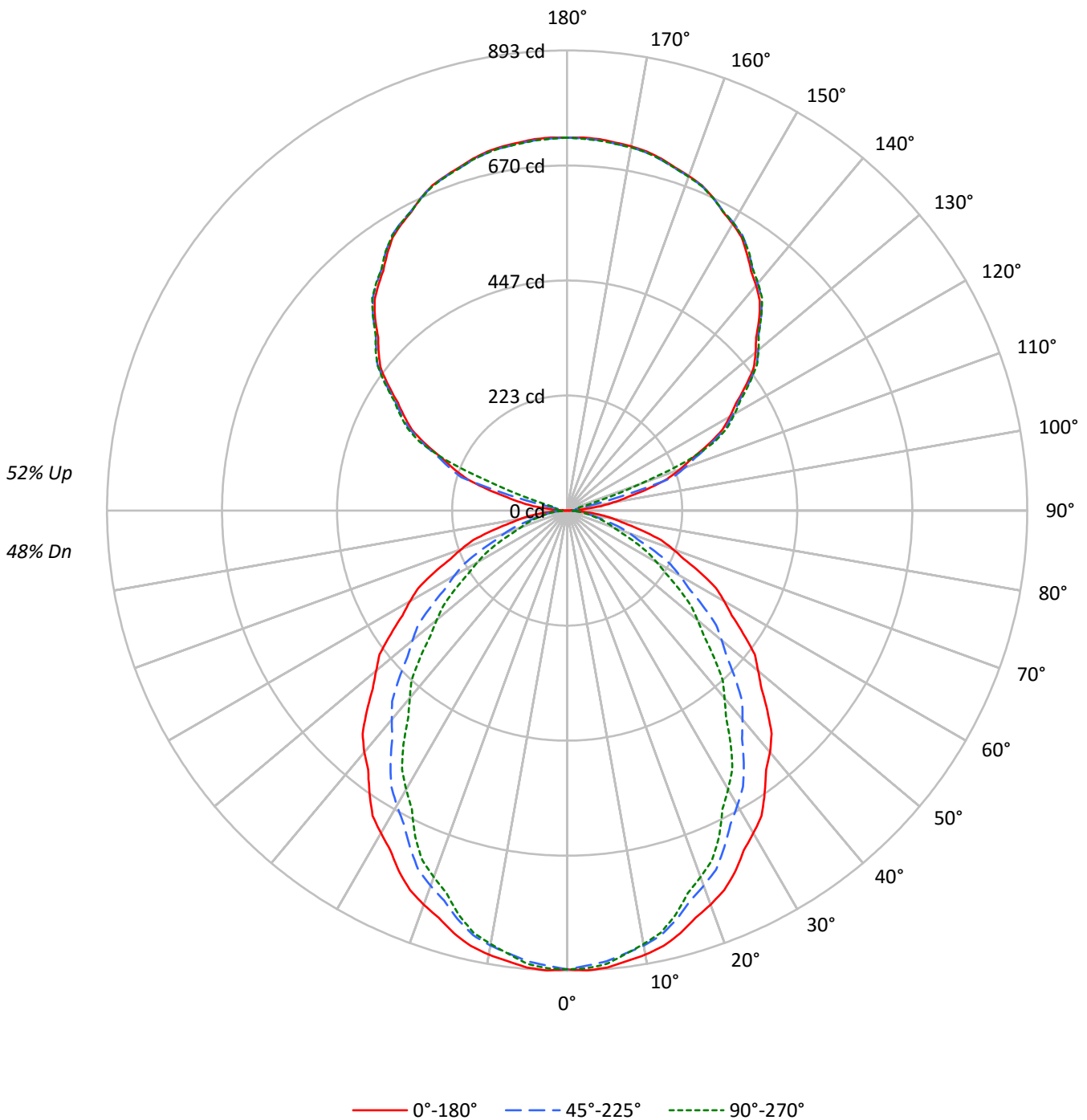
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332279-830

CATALOG NUMBER: S123RDIP-S560D585U830-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332279-830

CATALOG NUMBER: S123RDIP-S560D585U830-4F0-1E-UDD-F

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF | 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 | 50 | 30 | 10 | 0 | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 67 | 67 | 67 | 54 | 54 | 54 | 48 | | | | | | | | | | | | | | | | | | | | |
| 1 | 98 | 93 | 90 | 86 | 90 | 86 | 83 | 80 | 72 | 70 | 68 | 60 | 58 | 57 | 48 | 47 | 46 | 41 | | | | | | | | | | | | | | | | | | | | |
| 2 | 89 | 82 | 76 | 71 | 82 | 76 | 70 | 66 | 64 | 60 | 57 | 53 | 50 | 48 | 43 | 41 | 39 | 35 | | | | | | | | | | | | | | | | | | | | |
| 3 | 81 | 72 | 65 | 59 | 75 | 67 | 61 | 56 | 57 | 52 | 48 | 47 | 44 | 41 | 38 | 36 | 34 | 30 | | | | | | | | | | | | | | | | | | | | |
| 4 | 75 | 64 | 56 | 50 | 68 | 59 | 53 | 47 | 50 | 45 | 41 | 42 | 38 | 35 | 34 | 32 | 29 | 26 | | | | | | | | | | | | | | | | | | | | |
| 5 | 69 | 57 | 49 | 43 | 63 | 53 | 46 | 41 | 45 | 40 | 36 | 38 | 34 | 31 | 31 | 28 | 26 | 23 | | | | | | | | | | | | | | | | | | | | |
| 6 | 63 | 51 | 43 | 38 | 58 | 48 | 41 | 36 | 41 | 35 | 31 | 34 | 30 | 27 | 28 | 25 | 23 | 20 | | | | | | | | | | | | | | | | | | | | |
| 7 | 59 | 46 | 39 | 33 | 54 | 43 | 36 | 31 | 37 | 32 | 28 | 31 | 27 | 24 | 26 | 23 | 20 | 18 | | | | | | | | | | | | | | | | | | | | |
| 8 | 54 | 42 | 35 | 29 | 50 | 39 | 33 | 28 | 34 | 28 | 25 | 29 | 24 | 21 | 24 | 21 | 18 | 16 | | | | | | | | | | | | | | | | | | | | |
| 9 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 25 | 31 | 26 | 22 | 26 | 22 | 19 | 22 | 19 | 17 | 14 | | | | | | | | | | | | | | | | | | | | |
| 10 | 47 | 35 | 28 | 24 | 44 | 33 | 27 | 22 | 29 | 23 | 20 | 24 | 20 | 18 | 20 | 17 | 15 | 13 | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9582 | 9582 | 9582 |
| 5° | 9619 | 9487 | 9541 |
| 10° | 9565 | 9368 | 9335 |
| 15° | 9461 | 9149 | 9052 |
| 20° | 9321 | 8874 | 8668 |
| 25° | 9175 | 8567 | 8291 |
| 30° | 8983 | 8211 | 7762 |
| 35° | 8784 | 7857 | 7276 |
| 40° | 8604 | 7436 | 6674 |
| 45° | 8363 | 7024 | 6132 |
| 50° | 8100 | 6553 | 5526 |
| 55° | 7833 | 6016 | 4960 |
| 60° | 7584 | 5440 | 4336 |
| 65° | 7264 | 4819 | 3713 |
| 70° | 6861 | 4047 | 2999 |
| 75° | 6276 | 3182 | 2824 |
| 80° | 5597 | 2820 | 2591 |
| 85° | 4730 | 2495 | 2322 |



TEST NUMBER: P332279-830

CATALOG NUMBER: S123RDIP-S560D585U830-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 83.6 | 2.0 |
| 10°-20° | 232.6 | 5.5 |
| 20°-30° | 334.9 | 7.9 |
| 30°-40° | 377.3 | 8.9 |
| 40°-50° | 360.9 | 8.6 |
| 50°-60° | 295.6 | 7.0 |
| 60°-70° | 199.4 | 4.7 |
| 70°-80° | 100.3 | 2.4 |
| 80°-90° | 28.6 | 0.7 |
| 90°-100° | 26.3 | 0.6 |
| 100°-110° | 125.4 | 3.0 |
| 110°-120° | 301.2 | 7.1 |
| 120°-130° | 383.5 | 9.1 |
| 130°-140° | 409.8 | 9.7 |
| 140°-150° | 383.2 | 9.1 |
| 150°-160° | 309.1 | 7.3 |
| 160°-170° | 199.5 | 4.7 |
| 170°-180° | 68.7 | 1.6 |
| 0°-30° | 651.1 | 15.4 |
| 0°-40° | 1028.4 | 24.4 |
| 0°-60° | 1684.8 | 39.9 |
| 0°-90° | 2013.1 | 47.7 |
| 90°-120° | 452.8 | 10.7 |
| 90°-150° | 1629.3 | 38.6 |
| 90°-180° | 2207.0 | 52.3 |
| 0°-180° | 4219.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 890 | 890 | 890 | 890 | 890 | |
| 5° | 890 | 886 | 878 | 884 | 883 | 84 |
| 15° | 849 | 840 | 821 | 817 | 812 | 239 |
| 25° | 772 | 754 | 721 | 706 | 698 | 355 |
| 35° | 668 | 642 | 598 | 568 | 554 | 418 |
| 45° | 549 | 516 | 461 | 422 | 403 | 424 |
| 55° | 417 | 380 | 321 | 280 | 264 | 374 |
| 65° | 285 | 245 | 189 | 155 | 146 | 282 |
| 75° | 151 | 116 | 76 | 70 | 68 | 161 |
| 85° | 38 | 23 | 20 | 19 | 19 | 43 |
| 90° | 1 | 6 | 13 | 15 | 16 | 3 |
| 95° | 33 | 12 | 17 | 20 | 20 | 41 |
| 105° | 160 | 163 | 118 | 28 | 24 | 170 |
| 115° | 300 | 304 | 309 | 314 | 316 | 297 |
| 125° | 424 | 428 | 430 | 431 | 432 | 378 |
| 135° | 527 | 531 | 533 | 534 | 533 | 406 |
| 145° | 608 | 612 | 613 | 614 | 614 | 381 |
| 155° | 670 | 669 | 670 | 672 | 669 | 309 |
| 165° | 707 | 705 | 705 | 709 | 705 | 200 |
| 175° | 724 | 721 | 721 | 725 | 721 | 69 |
| 180° | 724 | 724 | 724 | 724 | 724 | |



TEST NUMBER: P332279-830

CATALOG NUMBER: S123RDIP-S560D585U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 890.2 | 890.2 | 890.2 | 890.2 | 890.2 | 890.2 | 890.2 | 890.2 | 890.2 | 890.2 | 890.2 |
| 2.5° | 893.2 | 892.6 | 892.1 | 891.6 | 891.1 | 890.0 | 888.5 | 886.9 | 885.4 | 883.9 | 885.3 |
| 5° | 890.2 | 889.5 | 888.6 | 887.9 | 887.0 | 885.7 | 883.7 | 881.8 | 879.9 | 878.0 | 879.4 |
| 7.5° | 882.0 | 881.2 | 880.2 | 879.4 | 878.5 | 876.8 | 874.4 | 871.9 | 869.3 | 866.9 | 867.6 |
| 10° | 875.1 | 873.9 | 872.8 | 871.7 | 870.6 | 868.6 | 865.7 | 862.8 | 859.9 | 857.1 | 857.1 |
| 12.5° | 865.3 | 864.0 | 862.7 | 861.5 | 860.3 | 857.9 | 854.3 | 850.8 | 847.3 | 843.8 | 843.7 |
| 15° | 849.0 | 847.3 | 845.6 | 843.8 | 842.1 | 838.9 | 834.4 | 829.9 | 825.4 | 821.0 | 820.1 |
| 17.5° | 828.7 | 826.7 | 824.6 | 822.6 | 820.5 | 816.6 | 810.9 | 805.2 | 799.5 | 793.8 | 792.1 |
| 20° | 813.7 | 811.2 | 808.6 | 806.0 | 803.4 | 799.1 | 793.0 | 786.9 | 780.8 | 774.7 | 772.6 |
| 22.5° | 796.9 | 794.0 | 791.1 | 788.1 | 785.1 | 780.4 | 773.9 | 767.4 | 761.0 | 754.5 | 751.9 |
| 25° | 772.5 | 768.5 | 764.5 | 760.5 | 756.5 | 750.8 | 743.4 | 736.0 | 728.7 | 721.3 | 717.9 |
| 27.5° | 742.9 | 738.5 | 734.1 | 729.6 | 725.2 | 718.9 | 710.7 | 702.5 | 694.3 | 686.1 | 681.4 |
| 30° | 722.7 | 717.9 | 713.1 | 708.3 | 703.5 | 696.5 | 687.6 | 678.6 | 669.6 | 660.6 | 655.2 |
| 32.5° | 702.5 | 697.1 | 691.6 | 686.2 | 680.7 | 673.3 | 663.7 | 654.2 | 644.7 | 635.2 | 629.2 |
| 35° | 668.5 | 662.8 | 657.0 | 651.3 | 645.5 | 637.6 | 627.6 | 617.7 | 607.8 | 597.9 | 590.9 |
| 37.5° | 634.2 | 627.8 | 621.4 | 614.9 | 608.5 | 600.0 | 589.4 | 578.8 | 568.2 | 557.5 | 549.7 |
| 40° | 612.3 | 605.2 | 598.1 | 591.1 | 584.0 | 574.8 | 563.5 | 552.0 | 540.6 | 529.2 | 520.8 |
| 42.5° | 587.4 | 580.3 | 573.3 | 566.3 | 559.2 | 549.8 | 538.0 | 526.2 | 514.4 | 502.7 | 493.5 |
| 45° | 549.4 | 542.2 | 535.0 | 527.8 | 520.6 | 510.8 | 498.4 | 486.1 | 473.7 | 461.4 | 452.2 |
| 47.5° | 511.4 | 503.5 | 495.6 | 487.7 | 479.8 | 469.7 | 457.2 | 444.9 | 432.5 | 420.2 | 410.3 |
| 50° | 483.7 | 476.2 | 468.6 | 461.1 | 453.6 | 443.3 | 430.3 | 417.4 | 404.4 | 391.3 | 381.4 |
| 52.5° | 458.9 | 450.7 | 442.5 | 434.3 | 426.2 | 415.7 | 402.7 | 389.9 | 377.0 | 364.2 | 353.8 |
| 55° | 417.4 | 409.4 | 401.6 | 393.7 | 385.9 | 375.1 | 361.5 | 347.9 | 334.2 | 320.6 | 311.2 |
| 57.5° | 378.9 | 370.3 | 361.7 | 353.2 | 344.6 | 333.5 | 319.8 | 306.1 | 292.4 | 278.7 | 269.9 |
| 60° | 352.3 | 343.6 | 334.7 | 325.8 | 317.1 | 305.9 | 292.7 | 279.4 | 266.0 | 252.7 | 244.0 |
| 62.5° | 325.7 | 317.0 | 308.1 | 299.3 | 290.5 | 279.4 | 266.1 | 252.8 | 239.4 | 226.1 | 218.0 |
| 65° | 285.2 | 276.4 | 267.6 | 258.7 | 249.9 | 239.2 | 226.7 | 214.2 | 201.7 | 189.2 | 181.3 |
| 67.5° | 244.6 | 235.7 | 226.8 | 217.8 | 209.0 | 198.5 | 186.4 | 174.5 | 162.5 | 150.4 | 144.6 |
| 70° | 218.0 | 209.3 | 200.8 | 192.1 | 183.4 | 173.4 | 162.2 | 151.0 | 139.8 | 128.6 | 122.9 |
| 72.5° | 191.4 | 182.9 | 174.4 | 165.9 | 157.3 | 148.0 | 137.8 | 127.5 | 117.3 | 107.2 | 102.5 |
| 75° | 150.9 | 143.2 | 135.5 | 127.8 | 120.1 | 111.8 | 103.0 | 94.2 | 85.4 | 76.5 | 74.9 |
| 77.5° | 114.0 | 107.0 | 100.0 | 93.0 | 86.1 | 79.7 | 74.1 | 68.4 | 62.7 | 57.0 | 56.2 |
| 80° | 90.3 | 83.7 | 77.1 | 70.5 | 63.9 | 59.0 | 55.6 | 52.2 | 48.8 | 45.5 | 45.0 |
| 82.5° | 67.8 | 62.0 | 56.4 | 50.7 | 45.0 | 41.4 | 39.8 | 38.3 | 36.7 | 35.1 | 34.6 |
| 85° | 38.3 | 34.8 | 31.2 | 27.7 | 24.1 | 22.1 | 21.7 | 21.2 | 20.7 | 20.2 | 19.9 |
| 87.5° | 13.9 | 12.8 | 11.6 | 10.5 | 9.2 | 8.9 | 9.1 | 9.4 | 9.8 | 10.1 | 10.1 |
| 90° | 0.6 | 1.7 | 2.9 | 4.1 | 5.3 | 6.7 | 8.2 | 9.8 | 11.3 | 12.9 | 13.4 |
| 92.5° | 10.0 | 9.7 | 9.3 | 9.0 | 8.7 | 9.0 | 10.3 | 11.4 | 12.6 | 13.8 | 14.5 |
| 95° | 32.8 | 27.9 | 23.0 | 18.1 | 13.2 | 11.4 | 12.7 | 14.0 | 15.4 | 16.7 | 17.5 |
| 97.5° | 65.9 | 63.7 | 61.5 | 59.3 | 57.1 | 51.7 | 43.1 | 34.5 | 25.9 | 17.3 | 18.3 |
| 100° | 90.9 | 93.2 | 95.7 | 98.0 | 100.4 | 92.3 | 73.6 | 55.0 | 36.4 | 17.7 | 18.7 |
| 102.5° | 119.2 | 120.9 | 122.7 | 124.4 | 126.1 | 116.8 | 96.4 | 76.1 | 55.7 | 35.3 | 32.4 |
| 105° | 160.2 | 161.6 | 162.9 | 164.1 | 165.4 | 160.7 | 150.0 | 139.2 | 128.5 | 117.7 | 96.6 |
| 107.5° | 203.4 | 204.4 | 205.6 | 206.6 | 207.6 | 209.0 | 210.7 | 212.4 | 214.1 | 215.7 | 200.3 |
| 110° | 232.2 | 233.2 | 234.1 | 235.1 | 236.0 | 237.2 | 238.5 | 239.8 | 241.1 | 242.4 | 238.5 |



TEST NUMBER: P332279-830

CATALOG NUMBER: S123RDIP-S560D585U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 259.8 | 260.6 | 261.5 | 262.3 | 263.2 | 264.3 | 265.6 | 266.9 | 268.2 | 269.6 | 269.7 |
| 115° | 300.5 | 301.2 | 301.9 | 302.7 | 303.4 | 304.3 | 305.4 | 306.4 | 307.5 | 308.6 | 309.8 |
| 117.5° | 340.0 | 340.8 | 341.8 | 342.6 | 343.5 | 344.2 | 344.8 | 345.3 | 345.9 | 346.4 | 347.4 |
| 120° | 364.5 | 365.5 | 366.6 | 367.7 | 368.8 | 369.5 | 369.9 | 370.2 | 370.6 | 370.9 | 371.9 |
| 122.5° | 389.5 | 390.3 | 391.2 | 392.1 | 392.9 | 393.6 | 394.1 | 394.5 | 395.0 | 395.5 | 396.2 |
| 125° | 423.6 | 424.6 | 425.6 | 426.5 | 427.4 | 428.2 | 428.7 | 429.1 | 429.6 | 430.1 | 430.3 |
| 127.5° | 456.8 | 457.7 | 458.6 | 459.6 | 460.5 | 461.3 | 461.8 | 462.5 | 463.1 | 463.6 | 464.0 |
| 130° | 477.4 | 478.3 | 479.3 | 480.2 | 481.2 | 481.9 | 482.4 | 482.9 | 483.3 | 483.8 | 484.3 |
| 132.5° | 497.2 | 498.1 | 499.1 | 500.0 | 501.0 | 501.6 | 502.0 | 502.4 | 502.8 | 503.2 | 503.7 |
| 135° | 527.4 | 528.1 | 528.8 | 529.5 | 530.3 | 530.8 | 531.3 | 531.8 | 532.3 | 532.7 | 533.1 |
| 137.5° | 553.2 | 554.1 | 555.0 | 555.9 | 556.8 | 557.4 | 557.6 | 557.9 | 558.2 | 558.5 | 559.0 |
| 140° | 570.3 | 571.1 | 571.8 | 572.5 | 573.3 | 573.8 | 574.1 | 574.5 | 574.9 | 575.2 | 575.7 |
| 142.5° | 586.3 | 587.0 | 587.8 | 588.4 | 589.2 | 589.7 | 590.0 | 590.4 | 590.8 | 591.2 | 591.5 |
| 145° | 608.5 | 609.4 | 610.2 | 611.1 | 611.9 | 612.5 | 612.7 | 612.9 | 613.1 | 613.4 | 613.6 |
| 147.5° | 629.5 | 630.1 | 630.7 | 631.1 | 631.7 | 632.1 | 632.4 | 632.5 | 632.8 | 633.1 | 633.3 |
| 150° | 642.4 | 642.8 | 643.1 | 643.5 | 643.9 | 644.1 | 644.4 | 644.6 | 644.9 | 645.1 | 645.4 |
| 152.5° | 654.0 | 654.2 | 654.3 | 654.5 | 654.7 | 654.9 | 655.0 | 655.2 | 655.3 | 655.4 | 655.8 |
| 155° | 670.3 | 670.1 | 669.9 | 669.7 | 669.4 | 669.4 | 669.5 | 669.6 | 669.7 | 669.9 | 670.4 |
| 157.5° | 683.1 | 683.1 | 683.0 | 683.0 | 683.0 | 682.9 | 682.8 | 682.7 | 682.5 | 682.4 | 683.2 |
| 160° | 690.8 | 690.7 | 690.6 | 690.4 | 690.3 | 690.2 | 690.0 | 689.9 | 689.8 | 689.8 | 690.4 |
| 162.5° | 698.1 | 697.8 | 697.5 | 697.2 | 696.8 | 696.6 | 696.5 | 696.4 | 696.3 | 696.2 | 697.0 |
| 165° | 706.9 | 706.5 | 706.2 | 705.9 | 705.5 | 705.2 | 705.1 | 705.0 | 704.9 | 704.7 | 705.8 |
| 167.5° | 713.8 | 713.3 | 712.8 | 712.4 | 711.9 | 711.6 | 711.6 | 711.6 | 711.6 | 711.6 | 712.7 |
| 170° | 717.7 | 717.2 | 716.7 | 716.2 | 715.8 | 715.5 | 715.5 | 715.5 | 715.5 | 715.5 | 716.5 |
| 172.5° | 720.3 | 719.7 | 719.1 | 718.5 | 717.9 | 717.7 | 717.8 | 717.9 | 718.0 | 718.1 | 719.1 |
| 175° | 723.6 | 723.0 | 722.4 | 721.8 | 721.2 | 721.0 | 721.0 | 721.2 | 721.3 | 721.4 | 722.3 |
| 177.5° | 724.4 | 724.0 | 723.5 | 723.0 | 722.6 | 722.4 | 722.5 | 722.6 | 722.6 | 722.7 | 723.5 |
| 180° | 723.6 | 723.6 | 723.6 | 723.6 | 723.6 | 723.6 | 723.6 | 723.6 | 723.6 | 723.6 | 723.6 |



TEST NUMBER: P332279-830

CATALOG NUMBER: S123RDIP-S560D585U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 890.2 | 890.2 | 890.2 | 890.2 | 890.2 | 890.2 | 890.2 | 890.2 |
| 2.5° | 886.7 | 888.2 | 889.6 | 890.1 | 889.9 | 889.6 | 889.4 | 889.1 |
| 5° | 880.8 | 882.3 | 883.7 | 884.3 | 884.0 | 883.6 | 883.4 | 883.0 |
| 7.5° | 868.5 | 869.2 | 870.1 | 870.2 | 869.6 | 869.1 | 868.6 | 868.0 |
| 10° | 857.3 | 857.5 | 857.6 | 857.3 | 856.6 | 855.7 | 855.0 | 854.1 |
| 12.5° | 843.6 | 843.5 | 843.4 | 842.8 | 841.9 | 840.9 | 840.1 | 839.1 |
| 15° | 819.4 | 818.5 | 817.7 | 816.7 | 815.6 | 814.5 | 813.4 | 812.3 |
| 17.5° | 790.4 | 788.7 | 786.9 | 785.3 | 783.6 | 781.9 | 780.2 | 778.6 |
| 20° | 770.5 | 768.5 | 766.4 | 764.4 | 762.4 | 760.5 | 758.6 | 756.7 |
| 22.5° | 749.3 | 746.7 | 744.1 | 741.9 | 740.1 | 738.3 | 736.5 | 734.7 |
| 25° | 714.5 | 711.1 | 707.8 | 705.2 | 703.5 | 701.7 | 699.9 | 698.1 |
| 27.5° | 676.7 | 672.0 | 667.3 | 663.6 | 660.9 | 658.3 | 655.5 | 652.8 |
| 30° | 649.7 | 644.2 | 638.9 | 634.8 | 632.3 | 629.7 | 627.1 | 624.5 |
| 32.5° | 623.3 | 617.3 | 611.3 | 607.0 | 604.4 | 601.6 | 598.9 | 596.3 |
| 35° | 584.0 | 577.1 | 570.2 | 565.3 | 562.4 | 559.6 | 556.7 | 553.7 |
| 37.5° | 541.9 | 534.0 | 526.2 | 520.6 | 517.0 | 513.4 | 509.8 | 506.2 |
| 40° | 512.6 | 504.2 | 495.9 | 489.8 | 486.2 | 482.5 | 478.8 | 475.0 |
| 42.5° | 484.5 | 475.3 | 466.2 | 460.0 | 456.7 | 453.4 | 450.1 | 446.8 |
| 45° | 443.1 | 433.9 | 424.8 | 418.3 | 414.4 | 410.6 | 406.7 | 402.8 |
| 47.5° | 400.3 | 390.4 | 380.4 | 373.7 | 370.3 | 366.8 | 363.4 | 360.0 |
| 50° | 371.5 | 361.5 | 351.6 | 344.7 | 341.0 | 337.3 | 333.7 | 330.0 |
| 52.5° | 343.6 | 333.2 | 322.8 | 316.0 | 312.7 | 309.4 | 306.1 | 302.8 |
| 55° | 302.0 | 292.7 | 283.3 | 277.1 | 273.9 | 270.7 | 267.5 | 264.3 |
| 57.5° | 261.1 | 252.3 | 243.6 | 237.8 | 235.1 | 232.3 | 229.6 | 226.9 |
| 60° | 235.4 | 226.7 | 218.0 | 212.4 | 209.6 | 206.9 | 204.2 | 201.4 |
| 62.5° | 209.8 | 201.7 | 193.5 | 188.0 | 185.2 | 182.3 | 179.5 | 176.6 |
| 65° | 173.4 | 165.6 | 157.7 | 152.9 | 151.2 | 149.4 | 147.6 | 145.8 |
| 67.5° | 138.7 | 132.8 | 127.0 | 123.1 | 121.2 | 119.3 | 117.4 | 115.6 |
| 70° | 117.3 | 111.7 | 106.0 | 102.4 | 100.6 | 98.9 | 97.1 | 95.3 |
| 72.5° | 97.9 | 93.4 | 88.8 | 86.1 | 85.4 | 84.6 | 83.9 | 83.1 |
| 75° | 73.3 | 71.7 | 70.1 | 69.2 | 68.8 | 68.5 | 68.1 | 67.9 |
| 77.5° | 55.3 | 54.5 | 53.5 | 53.0 | 52.7 | 52.3 | 52.0 | 51.7 |
| 80° | 44.5 | 44.0 | 43.5 | 43.2 | 42.9 | 42.5 | 42.2 | 41.8 |
| 82.5° | 34.1 | 33.6 | 33.2 | 32.9 | 32.8 | 32.8 | 32.7 | 32.6 |
| 85° | 19.6 | 19.2 | 18.9 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 |
| 87.5° | 10.0 | 10.0 | 10.0 | 9.9 | 9.8 | 9.7 | 9.6 | 9.6 |
| 90° | 13.9 | 14.3 | 14.8 | 15.2 | 15.5 | 15.6 | 15.9 | 16.1 |
| 92.5° | 15.3 | 16.0 | 16.8 | 17.2 | 17.4 | 17.5 | 17.7 | 17.8 |
| 95° | 18.4 | 19.1 | 20.0 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 |
| 97.5° | 19.2 | 20.2 | 21.1 | 21.7 | 21.8 | 21.9 | 22.1 | 22.1 |
| 100° | 19.6 | 20.6 | 21.6 | 22.1 | 22.2 | 22.3 | 22.4 | 22.6 |
| 102.5° | 29.4 | 26.5 | 23.6 | 22.1 | 22.3 | 22.6 | 22.8 | 23.0 |
| 105° | 75.4 | 54.3 | 33.2 | 22.7 | 22.9 | 23.2 | 23.4 | 23.7 |
| 107.5° | 184.7 | 169.3 | 153.7 | 138.1 | 122.1 | 106.1 | 90.2 | 74.3 |
| 110° | 234.6 | 230.6 | 226.7 | 216.1 | 199.1 | 182.0 | 164.9 | 147.8 |



TEST NUMBER: P332279-830

CATALOG NUMBER: S123RDIP-S560D585U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 269.7 | 269.8 | 269.8 | 268.1 | 264.5 | 260.8 | 257.2 | 253.6 |
| 115° | 310.9 | 312.2 | 313.4 | 314.1 | 314.6 | 315.2 | 315.7 | 316.1 |
| 117.5° | 348.4 | 349.3 | 350.2 | 350.8 | 350.9 | 351.0 | 351.1 | 351.2 |
| 120° | 372.9 | 373.8 | 374.8 | 375.2 | 375.2 | 375.2 | 375.2 | 375.2 |
| 122.5° | 396.8 | 397.5 | 398.1 | 398.5 | 398.6 | 398.7 | 398.8 | 398.9 |
| 125° | 430.6 | 430.7 | 431.0 | 431.3 | 431.5 | 431.8 | 432.0 | 432.3 |
| 127.5° | 464.4 | 464.8 | 465.1 | 465.2 | 465.0 | 464.8 | 464.5 | 464.3 |
| 130° | 484.7 | 485.2 | 485.7 | 485.9 | 485.6 | 485.4 | 485.1 | 484.9 |
| 132.5° | 504.2 | 504.6 | 505.1 | 505.2 | 504.8 | 504.4 | 504.2 | 503.8 |
| 135° | 533.5 | 533.9 | 534.1 | 534.1 | 533.9 | 533.5 | 533.1 | 532.7 |
| 137.5° | 559.6 | 560.2 | 560.7 | 560.9 | 560.6 | 560.4 | 560.2 | 560.0 |
| 140° | 576.2 | 576.6 | 577.1 | 577.2 | 577.0 | 576.7 | 576.6 | 576.3 |
| 142.5° | 591.9 | 592.3 | 592.7 | 592.7 | 592.4 | 592.0 | 591.6 | 591.4 |
| 145° | 613.9 | 614.1 | 614.3 | 614.4 | 614.4 | 614.4 | 614.4 | 614.4 |
| 147.5° | 633.6 | 633.8 | 634.0 | 633.9 | 633.3 | 632.7 | 632.3 | 631.7 |
| 150° | 645.5 | 645.8 | 646.0 | 646.0 | 645.6 | 645.3 | 644.9 | 644.6 |
| 152.5° | 656.3 | 656.7 | 657.1 | 657.0 | 656.6 | 656.0 | 655.4 | 654.9 |
| 155° | 671.0 | 671.7 | 672.2 | 672.1 | 671.5 | 670.7 | 670.1 | 669.3 |
| 157.5° | 683.8 | 684.6 | 685.3 | 685.1 | 684.2 | 683.3 | 682.4 | 681.5 |
| 160° | 691.2 | 691.8 | 692.6 | 692.5 | 691.7 | 690.9 | 690.0 | 689.2 |
| 162.5° | 697.8 | 698.6 | 699.5 | 699.5 | 698.7 | 698.0 | 697.2 | 696.5 |
| 165° | 706.7 | 707.7 | 708.6 | 708.7 | 707.8 | 707.0 | 706.2 | 705.3 |
| 167.5° | 713.6 | 714.5 | 715.5 | 715.5 | 714.5 | 713.6 | 712.7 | 711.6 |
| 170° | 717.5 | 718.4 | 719.3 | 719.3 | 718.4 | 717.5 | 716.5 | 715.5 |
| 172.5° | 720.0 | 721.0 | 721.9 | 721.9 | 720.9 | 719.8 | 718.7 | 717.7 |
| 175° | 723.1 | 724.0 | 724.8 | 724.7 | 723.8 | 722.8 | 721.9 | 720.9 |
| 177.5° | 724.2 | 725.0 | 725.8 | 725.7 | 724.7 | 723.8 | 722.8 | 721.9 |
| 180° | 723.6 | 723.6 | 723.6 | 723.6 | 723.6 | 723.6 | 723.6 | 723.6 |

(END OF REPORT)