

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: P332285-930

Luminaire Tested: **S123RDIP-S560D805U930-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332285-930
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-S560D805U930-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4358.3 lumens
Efficiency: N/A
Efficacy: 113.5 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: Semi-Indirect

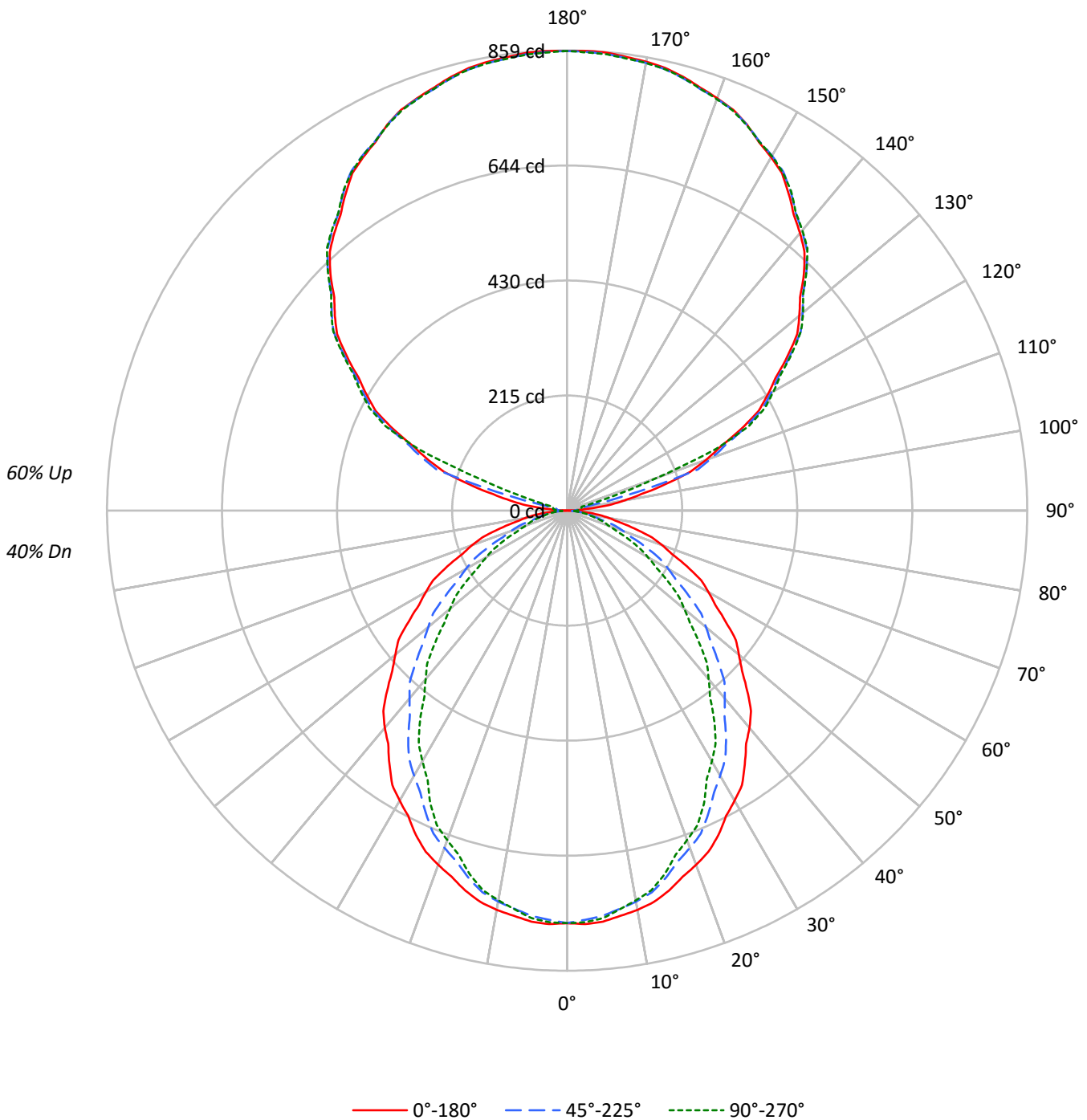
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332285-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332285-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-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 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 | 40 | | | | | | | | | | | | | | | | | | | | |
| 1 | 96 | 92 | 88 | 85 | 87 | 84 | 80 | 78 | 68 | 66 | 64 | 55 | 53 | 52 | 42 | 41 | 40 | 34 | | | | | | | | | | | | | | | | | | | | |
| 2 | 87 | 80 | 74 | 69 | 79 | 73 | 68 | 64 | 60 | 57 | 54 | 48 | 46 | 44 | 37 | 36 | 34 | 29 | | | | | | | | | | | | | | | | | | | | |
| 3 | 80 | 71 | 64 | 58 | 72 | 65 | 59 | 54 | 53 | 49 | 45 | 43 | 40 | 37 | 33 | 31 | 29 | 25 | | | | | | | | | | | | | | | | | | | | |
| 4 | 73 | 63 | 55 | 49 | 66 | 57 | 51 | 46 | 48 | 43 | 39 | 38 | 35 | 32 | 30 | 27 | 25 | 22 | | | | | | | | | | | | | | | | | | | | |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 44 | 39 | 43 | 37 | 34 | 34 | 31 | 28 | 27 | 24 | 22 | 19 | | | | | | | | | | | | | | | | | | | | |
| 6 | 62 | 50 | 42 | 37 | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 22 | 20 | 17 | | | | | | | | | | | | | | | | | | | | |
| 7 | 57 | 45 | 38 | 32 | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 28 | 25 | 22 | 22 | 20 | 18 | 15 | | | | | | | | | | | | | | | | | | | | |
| 8 | 53 | 41 | 34 | 28 | 48 | 38 | 31 | 27 | 32 | 27 | 23 | 26 | 22 | 19 | 21 | 18 | 16 | 13 | | | | | | | | | | | | | | | | | | | | |
| 9 | 49 | 38 | 30 | 25 | 45 | 35 | 28 | 24 | 29 | 24 | 21 | 24 | 20 | 17 | 19 | 16 | 14 | 12 | | | | | | | | | | | | | | | | | | | | |
| 10 | 46 | 34 | 27 | 23 | 42 | 32 | 25 | 21 | 27 | 22 | 18 | 22 | 18 | 16 | 18 | 15 | 13 | 11 | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8289 | 8289 | 8289 |
| 5° | 8321 | 8206 | 8253 |
| 10° | 8273 | 8103 | 8075 |
| 15° | 8184 | 7913 | 7830 |
| 20° | 8062 | 7676 | 7497 |
| 25° | 7936 | 7410 | 7172 |
| 30° | 7771 | 7102 | 6714 |
| 35° | 7599 | 6795 | 6294 |
| 40° | 7442 | 6433 | 5774 |
| 45° | 7234 | 6075 | 5305 |
| 50° | 7006 | 5668 | 4779 |
| 55° | 6775 | 5204 | 4290 |
| 60° | 6562 | 4706 | 3750 |
| 65° | 6283 | 4167 | 3212 |
| 70° | 5936 | 3500 | 2593 |
| 75° | 5427 | 2753 | 2441 |
| 80° | 4841 | 2442 | 2244 |
| 85° | 4088 | 2149 | 2001 |



TEST NUMBER: P332285-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.3 | 1.7 |
| 10°-20° | 201.2 | 4.6 |
| 20°-30° | 289.7 | 6.6 |
| 30°-40° | 326.3 | 7.5 |
| 40°-50° | 312.2 | 7.2 |
| 50°-60° | 255.7 | 5.9 |
| 60°-70° | 172.5 | 4.0 |
| 70°-80° | 86.8 | 2.0 |
| 80°-90° | 25.4 | 0.6 |
| 90°-100° | 31.2 | 0.7 |
| 100°-110° | 148.7 | 3.4 |
| 110°-120° | 357.1 | 8.2 |
| 120°-130° | 454.7 | 10.4 |
| 130°-140° | 485.8 | 11.1 |
| 140°-150° | 454.3 | 10.4 |
| 150°-160° | 366.5 | 8.4 |
| 160°-170° | 236.5 | 5.4 |
| 170°-180° | 81.5 | 1.9 |
| 0°-30° | 563.2 | 12.9 |
| 0°-40° | 889.5 | 20.4 |
| 0°-60° | 1457.4 | 33.4 |
| 0°-90° | 1742.0 | 40.0 |
| 90°-120° | 536.9 | 12.3 |
| 90°-150° | 1931.8 | 44.3 |
| 90°-180° | 2616.0 | 60.0 |
| 0°-180° | 4358.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 770 | 770 | 770 | 770 | 770 | |
| 5° | 770 | 767 | 760 | 765 | 764 | 73 |
| 15° | 734 | 727 | 710 | 707 | 703 | 207 |
| 25° | 668 | 652 | 624 | 611 | 604 | 307 |
| 35° | 578 | 555 | 517 | 491 | 479 | 362 |
| 45° | 475 | 446 | 399 | 365 | 348 | 367 |
| 55° | 361 | 329 | 277 | 242 | 229 | 324 |
| 65° | 247 | 212 | 164 | 134 | 126 | 244 |
| 75° | 130 | 100 | 66 | 60 | 59 | 139 |
| 85° | 33 | 20 | 17 | 16 | 16 | 37 |
| 90° | 1 | 7 | 15 | 18 | 19 | 3 |
| 95° | 39 | 15 | 20 | 24 | 24 | 48 |
| 105° | 190 | 193 | 140 | 33 | 28 | 201 |
| 115° | 356 | 360 | 366 | 372 | 375 | 352 |
| 125° | 502 | 507 | 510 | 511 | 512 | 448 |
| 135° | 625 | 629 | 632 | 633 | 632 | 481 |
| 145° | 722 | 726 | 727 | 728 | 729 | 451 |
| 155° | 795 | 794 | 794 | 797 | 794 | 366 |
| 165° | 838 | 836 | 836 | 840 | 836 | 237 |
| 175° | 858 | 855 | 855 | 859 | 855 | 82 |
| 180° | 858 | 858 | 858 | 858 | 858 | |



TEST NUMBER: P332285-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 770.1 | 770.1 | 770.1 | 770.1 | 770.1 | 770.1 | 770.1 | 770.1 | 770.1 | 770.1 | 770.1 |
| 2.5° | 772.6 | 772.1 | 771.7 | 771.2 | 770.8 | 769.9 | 768.6 | 767.2 | 765.9 | 764.6 | 765.8 |
| 5° | 770.1 | 769.4 | 768.7 | 768.0 | 767.3 | 766.1 | 764.4 | 762.8 | 761.1 | 759.5 | 760.7 |
| 7.5° | 763.0 | 762.2 | 761.4 | 760.7 | 759.9 | 758.5 | 756.4 | 754.2 | 752.0 | 749.8 | 750.5 |
| 10° | 756.9 | 755.9 | 755.0 | 754.0 | 753.1 | 751.3 | 748.9 | 746.3 | 743.8 | 741.4 | 741.4 |
| 12.5° | 748.4 | 747.4 | 746.2 | 745.2 | 744.1 | 742.1 | 739.0 | 736.0 | 732.9 | 729.9 | 729.8 |
| 15° | 734.4 | 733.0 | 731.4 | 729.9 | 728.4 | 725.6 | 721.8 | 717.9 | 714.0 | 710.1 | 709.4 |
| 17.5° | 716.8 | 715.1 | 713.3 | 711.5 | 709.7 | 706.4 | 701.4 | 696.5 | 691.5 | 686.6 | 685.2 |
| 20° | 703.8 | 701.6 | 699.4 | 697.2 | 695.0 | 691.2 | 685.9 | 680.7 | 675.4 | 670.1 | 668.3 |
| 22.5° | 689.3 | 686.8 | 684.3 | 681.7 | 679.1 | 675.1 | 669.4 | 663.8 | 658.3 | 652.6 | 650.4 |
| 25° | 668.2 | 664.8 | 661.3 | 657.9 | 654.4 | 649.5 | 643.0 | 636.7 | 630.3 | 623.9 | 621.0 |
| 27.5° | 642.6 | 638.8 | 635.0 | 631.1 | 627.3 | 621.8 | 614.7 | 607.6 | 600.5 | 593.5 | 589.4 |
| 30° | 625.2 | 621.0 | 616.9 | 612.7 | 608.5 | 602.5 | 594.8 | 587.0 | 579.2 | 571.4 | 566.7 |
| 32.5° | 607.6 | 603.0 | 598.3 | 593.5 | 588.8 | 582.4 | 574.1 | 565.9 | 557.7 | 549.4 | 544.3 |
| 35° | 578.3 | 573.3 | 568.3 | 563.4 | 558.3 | 551.5 | 542.9 | 534.3 | 525.7 | 517.1 | 511.1 |
| 37.5° | 548.6 | 543.1 | 537.5 | 531.9 | 526.4 | 519.0 | 509.8 | 500.7 | 491.5 | 482.2 | 475.5 |
| 40° | 529.6 | 523.5 | 517.4 | 511.3 | 505.2 | 497.2 | 487.4 | 477.5 | 467.7 | 457.8 | 450.5 |
| 42.5° | 508.1 | 502.0 | 495.9 | 489.8 | 483.7 | 475.6 | 465.4 | 455.2 | 445.0 | 434.8 | 426.9 |
| 45° | 475.2 | 469.0 | 462.8 | 456.6 | 450.3 | 441.8 | 431.1 | 420.4 | 409.8 | 399.1 | 391.2 |
| 47.5° | 442.4 | 435.5 | 428.7 | 421.8 | 415.0 | 406.3 | 395.5 | 384.8 | 374.1 | 363.5 | 354.9 |
| 50° | 418.4 | 411.9 | 405.4 | 398.8 | 392.3 | 383.4 | 372.2 | 361.0 | 349.8 | 338.5 | 329.9 |
| 52.5° | 397.0 | 389.9 | 382.8 | 375.7 | 368.7 | 359.5 | 348.4 | 337.3 | 326.1 | 315.0 | 306.1 |
| 55° | 361.0 | 354.2 | 347.4 | 340.6 | 333.8 | 324.5 | 312.7 | 300.9 | 289.1 | 277.3 | 269.2 |
| 57.5° | 327.8 | 320.3 | 312.9 | 305.5 | 298.1 | 288.5 | 276.6 | 264.8 | 252.9 | 241.1 | 233.5 |
| 60° | 304.8 | 297.2 | 289.5 | 281.8 | 274.3 | 264.6 | 253.2 | 241.7 | 230.1 | 218.6 | 211.1 |
| 62.5° | 281.8 | 274.2 | 266.5 | 258.9 | 251.3 | 241.7 | 230.2 | 218.7 | 207.1 | 195.6 | 188.6 |
| 65° | 246.7 | 239.0 | 231.5 | 223.8 | 216.1 | 206.9 | 196.1 | 185.3 | 174.5 | 163.6 | 156.9 |
| 67.5° | 211.6 | 203.9 | 196.2 | 188.4 | 180.8 | 171.7 | 161.3 | 150.9 | 140.6 | 130.1 | 125.1 |
| 70° | 188.6 | 181.1 | 173.7 | 166.2 | 158.7 | 150.0 | 140.3 | 130.6 | 120.9 | 111.2 | 106.3 |
| 72.5° | 165.6 | 158.2 | 150.8 | 143.5 | 136.1 | 128.0 | 119.2 | 110.3 | 101.5 | 92.7 | 88.7 |
| 75° | 130.5 | 123.8 | 117.2 | 110.6 | 103.9 | 96.7 | 89.1 | 81.4 | 73.9 | 66.2 | 64.8 |
| 77.5° | 98.6 | 92.5 | 86.5 | 80.5 | 74.4 | 69.0 | 64.1 | 59.2 | 54.2 | 49.3 | 48.6 |
| 80° | 78.1 | 72.4 | 66.7 | 61.0 | 55.3 | 51.0 | 48.1 | 45.2 | 42.2 | 39.4 | 38.9 |
| 82.5° | 58.6 | 53.6 | 48.8 | 43.9 | 38.9 | 35.8 | 34.4 | 33.1 | 31.7 | 30.3 | 29.9 |
| 85° | 33.1 | 30.1 | 27.0 | 24.0 | 20.9 | 19.2 | 18.8 | 18.3 | 17.9 | 17.4 | 17.2 |
| 87.5° | 12.1 | 11.2 | 10.3 | 9.3 | 8.4 | 8.1 | 8.5 | 8.8 | 9.2 | 9.5 | 9.5 |
| 90° | 0.7 | 2.0 | 3.5 | 4.9 | 6.3 | 7.9 | 9.8 | 11.6 | 13.5 | 15.3 | 15.9 |
| 92.5° | 11.8 | 11.5 | 11.1 | 10.7 | 10.3 | 10.8 | 12.1 | 13.5 | 14.9 | 16.3 | 17.2 |
| 95° | 38.9 | 33.1 | 27.2 | 21.4 | 15.7 | 13.5 | 15.1 | 16.6 | 18.2 | 19.7 | 20.8 |
| 97.5° | 78.1 | 75.6 | 73.0 | 70.4 | 67.8 | 61.3 | 51.1 | 40.9 | 30.7 | 20.5 | 21.7 |
| 100° | 107.7 | 110.6 | 113.4 | 116.2 | 119.0 | 109.4 | 87.3 | 65.2 | 43.1 | 21.0 | 22.2 |
| 102.5° | 141.4 | 143.4 | 145.4 | 147.5 | 149.5 | 138.5 | 114.4 | 90.2 | 66.0 | 41.9 | 38.4 |
| 105° | 190.0 | 191.5 | 193.1 | 194.6 | 196.2 | 190.6 | 177.8 | 165.1 | 152.3 | 139.6 | 114.5 |
| 107.5° | 241.2 | 242.5 | 243.7 | 244.9 | 246.1 | 247.8 | 249.8 | 251.8 | 253.8 | 255.8 | 237.5 |
| 110° | 275.3 | 276.5 | 277.6 | 278.8 | 279.9 | 281.2 | 282.8 | 284.4 | 285.9 | 287.5 | 282.8 |



TEST NUMBER: P332285-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 308.0 | 309.0 | 310.1 | 311.0 | 312.1 | 313.3 | 315.0 | 316.5 | 318.0 | 319.6 | 319.7 |
| 115° | 356.3 | 357.2 | 358.0 | 358.9 | 359.7 | 360.8 | 362.1 | 363.3 | 364.6 | 365.9 | 367.3 |
| 117.5° | 403.1 | 404.1 | 405.2 | 406.3 | 407.2 | 408.1 | 408.8 | 409.4 | 410.1 | 410.7 | 411.9 |
| 120° | 432.2 | 433.4 | 434.7 | 435.9 | 437.2 | 438.1 | 438.5 | 439.0 | 439.4 | 439.8 | 440.9 |
| 122.5° | 461.7 | 462.8 | 463.8 | 464.9 | 465.9 | 466.7 | 467.2 | 467.8 | 468.3 | 468.9 | 469.7 |
| 125° | 502.3 | 503.4 | 504.5 | 505.6 | 506.8 | 507.7 | 508.3 | 508.7 | 509.3 | 509.9 | 510.2 |
| 127.5° | 541.5 | 542.7 | 543.8 | 544.9 | 546.1 | 547.0 | 547.6 | 548.4 | 549.0 | 549.7 | 550.2 |
| 130° | 566.0 | 567.1 | 568.3 | 569.4 | 570.5 | 571.4 | 571.9 | 572.5 | 573.1 | 573.6 | 574.2 |
| 132.5° | 589.5 | 590.6 | 591.7 | 592.9 | 594.0 | 594.8 | 595.3 | 595.7 | 596.1 | 596.6 | 597.2 |
| 135° | 625.3 | 626.1 | 627.0 | 627.9 | 628.7 | 629.4 | 630.0 | 630.6 | 631.1 | 631.7 | 632.1 |
| 137.5° | 655.9 | 657.0 | 658.0 | 659.1 | 660.1 | 660.9 | 661.2 | 661.5 | 661.8 | 662.1 | 662.8 |
| 140° | 676.3 | 677.1 | 678.0 | 678.8 | 679.7 | 680.3 | 680.8 | 681.2 | 681.6 | 682.0 | 682.6 |
| 142.5° | 695.1 | 696.0 | 696.8 | 697.7 | 698.5 | 699.2 | 699.6 | 700.0 | 700.4 | 700.9 | 701.3 |
| 145° | 721.5 | 722.5 | 723.5 | 724.5 | 725.5 | 726.1 | 726.4 | 726.7 | 727.0 | 727.2 | 727.6 |
| 147.5° | 746.4 | 747.1 | 747.7 | 748.4 | 749.0 | 749.5 | 749.7 | 750.0 | 750.3 | 750.6 | 750.9 |
| 150° | 761.7 | 762.1 | 762.5 | 763.0 | 763.4 | 763.8 | 764.0 | 764.3 | 764.6 | 764.9 | 765.2 |
| 152.5° | 775.4 | 775.7 | 775.8 | 776.1 | 776.2 | 776.4 | 776.6 | 776.7 | 777.0 | 777.1 | 777.6 |
| 155° | 794.8 | 794.6 | 794.3 | 794.0 | 793.7 | 793.6 | 793.8 | 793.9 | 794.0 | 794.2 | 794.9 |
| 157.5° | 809.8 | 809.8 | 809.8 | 809.8 | 809.8 | 809.7 | 809.5 | 809.4 | 809.3 | 809.1 | 810.0 |
| 160° | 819.0 | 818.9 | 818.8 | 818.6 | 818.5 | 818.3 | 818.2 | 818.1 | 817.9 | 817.7 | 818.6 |
| 162.5° | 827.7 | 827.4 | 827.0 | 826.6 | 826.2 | 826.0 | 825.8 | 825.7 | 825.6 | 825.4 | 826.4 |
| 165° | 838.2 | 837.7 | 837.3 | 836.9 | 836.5 | 836.2 | 836.1 | 835.9 | 835.8 | 835.6 | 836.7 |
| 167.5° | 846.4 | 845.8 | 845.2 | 844.7 | 844.1 | 843.8 | 843.8 | 843.8 | 843.8 | 843.8 | 844.9 |
| 170° | 850.9 | 850.4 | 849.8 | 849.2 | 848.6 | 848.4 | 848.4 | 848.4 | 848.4 | 848.4 | 849.5 |
| 172.5° | 853.9 | 853.3 | 852.6 | 851.9 | 851.3 | 851.0 | 851.1 | 851.2 | 851.3 | 851.4 | 852.6 |
| 175° | 857.9 | 857.2 | 856.6 | 855.8 | 855.1 | 854.8 | 854.9 | 855.1 | 855.2 | 855.4 | 856.4 |
| 177.5° | 858.9 | 858.4 | 857.9 | 857.3 | 856.7 | 856.5 | 856.6 | 856.7 | 856.8 | 856.9 | 857.9 |
| 180° | 857.9 | 857.9 | 857.9 | 857.9 | 857.9 | 857.9 | 857.9 | 857.9 | 857.9 | 857.9 | 857.9 |



TEST NUMBER: P332285-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 770.1 | 770.1 | 770.1 | 770.1 | 770.1 | 770.1 | 770.1 | 770.1 |
| 2.5° | 767.0 | 768.3 | 769.5 | 770.0 | 769.7 | 769.5 | 769.3 | 769.1 |
| 5° | 761.9 | 763.2 | 764.4 | 764.9 | 764.7 | 764.3 | 764.1 | 763.8 |
| 7.5° | 751.2 | 751.9 | 752.6 | 752.7 | 752.2 | 751.8 | 751.3 | 750.8 |
| 10° | 741.6 | 741.8 | 741.8 | 741.6 | 740.9 | 740.2 | 739.6 | 738.8 |
| 12.5° | 729.7 | 729.6 | 729.5 | 729.0 | 728.2 | 727.4 | 726.7 | 725.9 |
| 15° | 708.7 | 708.0 | 707.4 | 706.5 | 705.5 | 704.6 | 703.6 | 702.6 |
| 17.5° | 683.7 | 682.2 | 680.7 | 679.3 | 677.8 | 676.4 | 674.9 | 673.5 |
| 20° | 666.5 | 664.7 | 662.9 | 661.2 | 659.5 | 657.9 | 656.2 | 654.5 |
| 22.5° | 648.2 | 645.9 | 643.7 | 641.7 | 640.2 | 638.6 | 637.1 | 635.5 |
| 25° | 618.1 | 615.1 | 612.3 | 610.0 | 608.5 | 607.0 | 605.4 | 603.9 |
| 27.5° | 585.3 | 581.3 | 577.2 | 574.1 | 571.7 | 569.4 | 567.0 | 564.7 |
| 30° | 562.0 | 557.3 | 552.6 | 549.1 | 546.9 | 544.7 | 542.4 | 540.2 |
| 32.5° | 539.2 | 533.9 | 528.8 | 525.1 | 522.8 | 520.4 | 518.0 | 515.8 |
| 35° | 505.2 | 499.2 | 493.3 | 489.0 | 486.5 | 484.0 | 481.5 | 479.0 |
| 37.5° | 468.7 | 461.9 | 455.2 | 450.3 | 447.2 | 444.1 | 441.0 | 437.9 |
| 40° | 443.4 | 436.1 | 428.9 | 423.7 | 420.5 | 417.4 | 414.2 | 410.9 |
| 42.5° | 419.1 | 411.2 | 403.2 | 397.9 | 395.0 | 392.2 | 389.3 | 386.5 |
| 45° | 383.3 | 375.4 | 367.5 | 361.8 | 358.5 | 355.1 | 351.8 | 348.5 |
| 47.5° | 346.3 | 337.7 | 329.1 | 323.3 | 320.3 | 317.3 | 314.4 | 311.4 |
| 50° | 321.3 | 312.7 | 304.1 | 298.2 | 295.0 | 291.8 | 288.6 | 285.4 |
| 52.5° | 297.2 | 288.2 | 279.2 | 273.4 | 270.5 | 267.7 | 264.8 | 262.0 |
| 55° | 261.2 | 253.2 | 245.1 | 239.7 | 236.9 | 234.2 | 231.4 | 228.6 |
| 57.5° | 225.8 | 218.3 | 210.7 | 205.7 | 203.3 | 201.0 | 198.6 | 196.2 |
| 60° | 203.6 | 196.1 | 188.6 | 183.7 | 181.3 | 179.0 | 176.6 | 174.2 |
| 62.5° | 181.5 | 174.5 | 167.4 | 162.7 | 160.2 | 157.7 | 155.2 | 152.8 |
| 65° | 150.0 | 143.2 | 136.4 | 132.2 | 130.8 | 129.2 | 127.7 | 126.1 |
| 67.5° | 120.0 | 114.9 | 109.8 | 106.5 | 104.8 | 103.2 | 101.6 | 100.0 |
| 70° | 101.4 | 96.6 | 91.7 | 88.5 | 87.0 | 85.5 | 84.0 | 82.4 |
| 72.5° | 84.7 | 80.8 | 76.8 | 74.5 | 73.9 | 73.2 | 72.6 | 71.9 |
| 75° | 63.4 | 62.0 | 60.7 | 59.8 | 59.5 | 59.3 | 58.9 | 58.7 |
| 77.5° | 47.9 | 47.1 | 46.3 | 45.8 | 45.6 | 45.2 | 45.0 | 44.7 |
| 80° | 38.5 | 38.1 | 37.7 | 37.3 | 37.1 | 36.8 | 36.5 | 36.2 |
| 82.5° | 29.5 | 29.1 | 28.7 | 28.5 | 28.4 | 28.4 | 28.3 | 28.2 |
| 85° | 17.0 | 16.6 | 16.4 | 16.2 | 16.2 | 16.2 | 16.2 | 16.2 |
| 87.5° | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.4 | 9.3 |
| 90° | 16.5 | 17.0 | 17.5 | 18.0 | 18.3 | 18.6 | 18.8 | 19.2 |
| 92.5° | 18.1 | 19.0 | 20.0 | 20.5 | 20.6 | 20.8 | 21.0 | 21.2 |
| 95° | 21.8 | 22.7 | 23.7 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 |
| 97.5° | 22.8 | 23.9 | 25.0 | 25.7 | 25.8 | 26.0 | 26.1 | 26.3 |
| 100° | 23.3 | 24.5 | 25.6 | 26.2 | 26.3 | 26.5 | 26.7 | 26.7 |
| 102.5° | 34.9 | 31.4 | 27.9 | 26.3 | 26.5 | 26.7 | 27.0 | 27.3 |
| 105° | 89.4 | 64.4 | 39.3 | 26.9 | 27.2 | 27.5 | 27.8 | 28.0 |
| 107.5° | 219.1 | 200.7 | 182.3 | 163.6 | 144.8 | 125.9 | 107.0 | 88.1 |
| 110° | 278.1 | 273.5 | 268.8 | 256.3 | 236.0 | 215.8 | 195.5 | 175.3 |



TEST NUMBER: P332285-930

CATALOG NUMBER: S123RDIP-S560D805U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 319.8 | 319.8 | 319.9 | 317.8 | 313.6 | 309.2 | 305.0 | 300.8 |
| 115° | 368.7 | 370.1 | 371.5 | 372.5 | 373.1 | 373.7 | 374.2 | 374.8 |
| 117.5° | 413.0 | 414.2 | 415.2 | 415.9 | 416.0 | 416.1 | 416.2 | 416.4 |
| 120° | 442.1 | 443.2 | 444.3 | 444.9 | 444.9 | 444.9 | 444.9 | 444.9 |
| 122.5° | 470.4 | 471.2 | 472.1 | 472.5 | 472.6 | 472.7 | 472.9 | 473.0 |
| 125° | 510.5 | 510.8 | 511.0 | 511.4 | 511.6 | 511.9 | 512.2 | 512.5 |
| 127.5° | 550.6 | 551.1 | 551.5 | 551.5 | 551.3 | 551.1 | 550.7 | 550.5 |
| 130° | 574.8 | 575.4 | 575.9 | 576.1 | 575.8 | 575.5 | 575.2 | 574.9 |
| 132.5° | 597.7 | 598.3 | 598.8 | 598.9 | 598.6 | 598.2 | 597.8 | 597.4 |
| 135° | 632.5 | 632.9 | 633.3 | 633.3 | 632.9 | 632.5 | 632.1 | 631.7 |
| 137.5° | 663.5 | 664.1 | 664.9 | 665.0 | 664.8 | 664.5 | 664.2 | 663.9 |
| 140° | 683.1 | 683.7 | 684.3 | 684.4 | 684.1 | 683.9 | 683.5 | 683.3 |
| 142.5° | 701.8 | 702.2 | 702.7 | 702.7 | 702.3 | 701.9 | 701.6 | 701.2 |
| 145° | 727.8 | 728.1 | 728.4 | 728.6 | 728.6 | 728.6 | 728.6 | 728.6 |
| 147.5° | 751.1 | 751.5 | 751.7 | 751.5 | 750.9 | 750.2 | 749.6 | 748.9 |
| 150° | 765.4 | 765.7 | 766.0 | 766.0 | 765.5 | 765.1 | 764.7 | 764.3 |
| 152.5° | 778.1 | 778.6 | 779.2 | 779.1 | 778.4 | 777.8 | 777.1 | 776.5 |
| 155° | 795.7 | 796.3 | 797.0 | 797.0 | 796.1 | 795.2 | 794.4 | 793.5 |
| 157.5° | 810.8 | 811.6 | 812.5 | 812.4 | 811.3 | 810.2 | 809.1 | 808.0 |
| 160° | 819.5 | 820.4 | 821.2 | 821.1 | 820.1 | 819.1 | 818.2 | 817.2 |
| 162.5° | 827.4 | 828.3 | 829.2 | 829.3 | 828.4 | 827.5 | 826.7 | 825.8 |
| 165° | 837.9 | 839.0 | 840.2 | 840.2 | 839.3 | 838.2 | 837.2 | 836.3 |
| 167.5° | 846.0 | 847.2 | 848.3 | 848.3 | 847.2 | 846.0 | 844.9 | 843.8 |
| 170° | 850.6 | 851.7 | 852.9 | 852.9 | 851.7 | 850.6 | 849.5 | 848.4 |
| 172.5° | 853.7 | 854.8 | 856.0 | 855.9 | 854.7 | 853.5 | 852.2 | 850.9 |
| 175° | 857.4 | 858.3 | 859.3 | 859.2 | 858.2 | 857.0 | 855.9 | 854.8 |
| 177.5° | 858.8 | 859.7 | 860.5 | 860.5 | 859.3 | 858.2 | 857.0 | 855.9 |
| 180° | 857.9 | 857.9 | 857.9 | 857.9 | 857.9 | 857.9 | 857.9 | 857.9 |

(END OF REPORT)