

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: P332280-930

Luminaire Tested: **S123RDIP-S560D585U930-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332280-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIP-S560D585U930-4F0-1E-UDD-F1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 585 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3381.6 lumens  
Efficiency: N/A  
Efficacy: 103.1 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

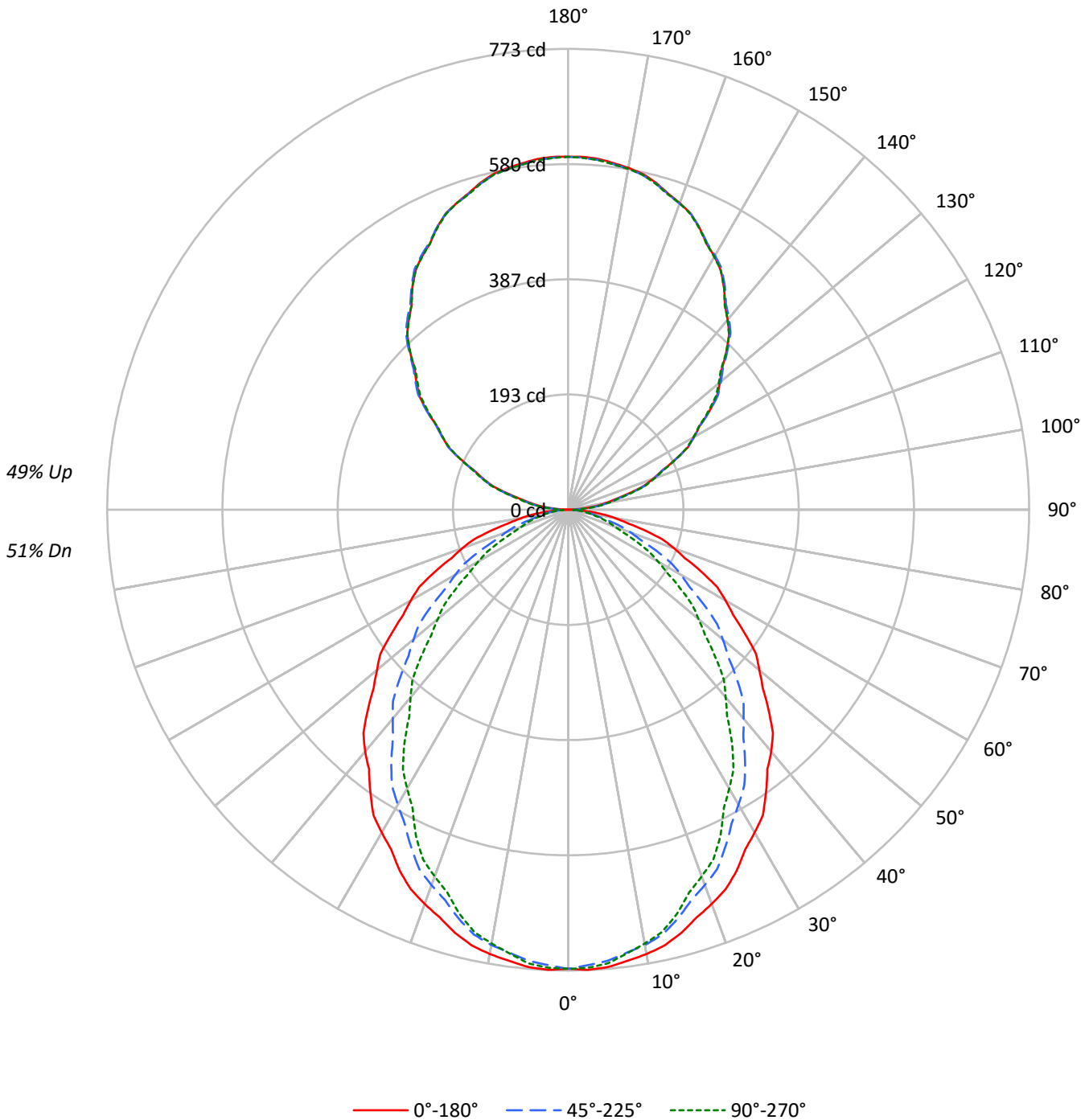
Input Watts (W): 32.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332280-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-F1

### Luminous Intensity Polar Plot





TEST NUMBER: P332280-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-F1

**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   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 |
| 1   | 98  | 94  | 90  | 87  | 91 | 87 | 84 | 81 | 74 | 72 | 70 | 62 | 61 | 59 | 51 | 50 | 49 | 44 |
| 2   | 90  | 83  | 77  | 72  | 83 | 77 | 72 | 67 | 65 | 62 | 58 | 55 | 52 | 50 | 46 | 44 | 42 | 37 |
| 3   | 82  | 73  | 66  | 60  | 76 | 68 | 61 | 56 | 58 | 53 | 49 | 49 | 46 | 43 | 41 | 38 | 36 | 32 |
| 4   | 75  | 65  | 57  | 51  | 69 | 60 | 53 | 48 | 52 | 47 | 42 | 44 | 40 | 37 | 37 | 34 | 31 | 28 |
| 5   | 69  | 58  | 50  | 44  | 64 | 54 | 47 | 42 | 46 | 41 | 37 | 40 | 35 | 32 | 33 | 30 | 27 | 24 |
| 6   | 64  | 52  | 44  | 38  | 59 | 49 | 41 | 36 | 42 | 36 | 32 | 36 | 32 | 28 | 30 | 27 | 24 | 21 |
| 7   | 59  | 47  | 39  | 34  | 55 | 44 | 37 | 32 | 38 | 33 | 28 | 33 | 28 | 25 | 28 | 24 | 22 | 19 |
| 8   | 55  | 43  | 35  | 30  | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 30 | 26 | 22 | 25 | 22 | 20 | 17 |
| 9   | 51  | 39  | 32  | 27  | 47 | 37 | 30 | 25 | 32 | 27 | 23 | 28 | 23 | 20 | 23 | 20 | 18 | 16 |
| 10  | 48  | 36  | 29  | 24  | 44 | 34 | 27 | 23 | 30 | 24 | 21 | 26 | 21 | 18 | 22 | 19 | 16 | 14 |

**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: P332280-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-F1

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 72.3   | 2.1       |
| 10°-20°   | 201.2  | 5.9       |
| 20°-30°   | 289.7  | 8.6       |
| 30°-40°   | 326.3  | 9.7       |
| 40°-50°   | 312.2  | 9.2       |
| 50°-60°   | 255.7  | 7.6       |
| 60°-70°   | 172.5  | 5.1       |
| 70°-80°   | 86.8   | 2.6       |
| 80°-90°   | 24.7   | 0.7       |
| 90°-100°  | 38.6   | 1.1       |
| 100°-110° | 115.4  | 3.4       |
| 110°-120° | 196.3  | 5.8       |
| 120°-130° | 258.2  | 7.6       |
| 130°-140° | 290.3  | 8.6       |
| 140°-150° | 285.3  | 8.4       |
| 150°-160° | 240.2  | 7.1       |
| 160°-170° | 159.9  | 4.7       |
| 170°-180° | 56.0   | 1.7       |
| 0°-30°    | 563.2  | 16.7      |
| 0°-40°    | 889.5  | 26.3      |
| 0°-60°    | 1457.4 | 43.1      |
| 0°-90°    | 1741.4 | 51.5      |
| 90°-120°  | 350.3  | 10.4      |
| 90°-150°  | 1184.1 | 35.0      |
| 90°-180°  | 1640.0 | 48.5      |
| 0°-180°   | 3381.6 | 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°  | 0   | 5     | 11  | 13    | 14  | 3    |
| 95°  | 28  | 31    | 34  | 36    | 36  | 31   |
| 105° | 105 | 106   | 110 | 110   | 111 | 112  |
| 115° | 198 | 199   | 198 | 198   | 198 | 195  |
| 125° | 289 | 291   | 290 | 288   | 286 | 258  |
| 135° | 375 | 378   | 378 | 376   | 375 | 289  |
| 145° | 455 | 456   | 458 | 457   | 455 | 284  |
| 155° | 521 | 521   | 522 | 523   | 520 | 240  |
| 165° | 568 | 566   | 566 | 569   | 566 | 160  |
| 175° | 591 | 589   | 589 | 591   | 588 | 56   |
| 180° | 592 | 592   | 592 | 592   | 592 |      |



TEST NUMBER: P332280-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-F1

**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  | 11.1  | 10.0  | 9.0   | 8.0   | 7.7   | 7.9   | 8.2   | 8.5   | 8.7   | 8.7   |
| 90°    | 0.5   | 1.5   | 2.5   | 3.6   | 4.6   | 5.8   | 7.1   | 8.5   | 9.8   | 11.2  | 11.6  |
| 92.5°  | 11.3  | 12.0  | 12.6  | 13.4  | 14.1  | 14.8  | 15.6  | 16.3  | 17.1  | 17.9  | 18.2  |
| 95°    | 27.5  | 28.1  | 28.9  | 29.6  | 30.3  | 31.1  | 32.0  | 32.8  | 33.6  | 34.4  | 34.8  |
| 97.5°  | 48.8  | 49.2  | 49.8  | 50.4  | 50.9  | 51.4  | 52.0  | 52.7  | 53.2  | 53.9  | 54.3  |
| 100°   | 63.3  | 63.8  | 64.5  | 65.1  | 65.7  | 66.3  | 66.8  | 67.3  | 67.8  | 68.3  | 68.6  |
| 102.5° | 80.0  | 80.4  | 80.7  | 81.1  | 81.4  | 82.0  | 82.7  | 83.4  | 84.1  | 84.7  | 85.0  |
| 105°   | 104.6 | 104.8 | 105.0 | 105.3 | 105.5 | 106.0 | 107.0 | 107.9 | 108.8 | 109.7 | 109.7 |
| 107.5° | 133.3 | 133.4 | 133.5 | 133.6 | 133.8 | 134.0 | 134.4 | 134.8 | 135.2 | 135.5 | 135.8 |
| 110°   | 151.2 | 151.3 | 151.6 | 151.7 | 152.0 | 152.1 | 152.4 | 152.6 | 152.8 | 153.0 | 153.4 |



TEST NUMBER: P332280-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 169.7 | 169.8 | 170.0 | 170.1 | 170.2 | 170.3 | 170.4 | 170.4 | 170.5 | 170.5 | 171.0 |
| 115°   | 197.6 | 198.0 | 198.3 | 198.6 | 198.9 | 198.9 | 198.7 | 198.5 | 198.3 | 198.1 | 198.2 |
| 117.5° | 225.8 | 225.9 | 226.2 | 226.3 | 226.6 | 226.5 | 226.2 | 226.0 | 225.8 | 225.4 | 225.4 |
| 120°   | 243.2 | 243.9 | 244.4 | 245.1 | 245.7 | 245.7 | 245.2 | 244.8 | 244.2 | 243.7 | 243.6 |
| 122.5° | 261.5 | 261.9 | 262.4 | 262.8 | 263.3 | 263.3 | 263.1 | 262.9 | 262.5 | 262.3 | 262.0 |
| 125°   | 289.3 | 289.6 | 289.8 | 290.2 | 290.5 | 290.6 | 290.3 | 290.2 | 289.9 | 289.8 | 289.3 |
| 127.5° | 315.0 | 315.6 | 316.3 | 316.9 | 317.6 | 317.8 | 317.6 | 317.3 | 317.1 | 316.9 | 316.3 |
| 130°   | 332.1 | 332.9 | 333.7 | 334.5 | 335.3 | 335.6 | 335.3 | 335.0 | 334.7 | 334.4 | 333.9 |
| 132.5° | 349.1 | 350.0 | 350.8 | 351.6 | 352.5 | 352.8 | 352.5 | 352.3 | 352.0 | 351.9 | 351.3 |
| 135°   | 375.3 | 375.9 | 376.5 | 377.2 | 377.7 | 378.1 | 377.9 | 377.8 | 377.7 | 377.6 | 377.2 |
| 137.5° | 399.5 | 400.0 | 400.5 | 401.0 | 401.5 | 401.9 | 402.2 | 402.4 | 402.8 | 403.0 | 402.6 |
| 140°   | 416.2 | 416.7 | 417.3 | 417.8 | 418.2 | 418.6 | 418.7 | 418.8 | 418.9 | 419.0 | 418.9 |
| 142.5° | 431.5 | 431.9 | 432.5 | 433.0 | 433.5 | 433.9 | 434.1 | 434.2 | 434.5 | 434.6 | 434.6 |
| 145°   | 455.3 | 455.5 | 455.7 | 455.9 | 456.1 | 456.3 | 456.6 | 457.0 | 457.3 | 457.6 | 457.5 |
| 147.5° | 476.1 | 476.5 | 476.9 | 477.2 | 477.6 | 477.9 | 478.3 | 478.5 | 478.8 | 479.1 | 479.1 |
| 150°   | 490.6 | 490.8 | 491.1 | 491.2 | 491.5 | 491.6 | 491.9 | 492.0 | 492.3 | 492.4 | 492.4 |
| 152.5° | 502.6 | 502.8 | 503.1 | 503.4 | 503.7 | 503.9 | 504.0 | 504.1 | 504.3 | 504.3 | 504.5 |
| 155°   | 521.3 | 521.3 | 521.3 | 521.3 | 521.3 | 521.4 | 521.5 | 521.5 | 521.7 | 521.8 | 522.2 |
| 157.5° | 537.3 | 537.2 | 537.0 | 537.0 | 536.8 | 536.8 | 536.9 | 537.0 | 537.0 | 537.1 | 537.5 |
| 160°   | 547.3 | 547.1 | 546.9 | 546.7 | 546.5 | 546.4 | 546.4 | 546.4 | 546.4 | 546.4 | 546.9 |
| 162.5° | 556.3 | 556.0 | 555.7 | 555.4 | 555.1 | 555.1 | 555.1 | 555.2 | 555.3 | 555.4 | 555.9 |
| 165°   | 567.8 | 567.5 | 567.2 | 566.9 | 566.6 | 566.4 | 566.4 | 566.4 | 566.4 | 566.4 | 567.0 |
| 167.5° | 577.0 | 576.6 | 576.2 | 575.8 | 575.4 | 575.2 | 575.3 | 575.4 | 575.4 | 575.5 | 576.2 |
| 170°   | 582.2 | 581.8 | 581.4 | 581.0 | 580.6 | 580.3 | 580.3 | 580.3 | 580.3 | 580.3 | 581.1 |
| 172.5° | 586.3 | 585.9 | 585.5 | 585.1 | 584.7 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 585.1 |
| 175°   | 590.6 | 590.2 | 589.8 | 589.4 | 589.0 | 588.7 | 588.7 | 588.7 | 588.7 | 588.7 | 589.4 |
| 177.5° | 592.4 | 592.1 | 591.7 | 591.3 | 591.0 | 590.8 | 590.8 | 590.8 | 590.8 | 590.8 | 591.3 |
| 180°   | 592.0 | 592.0 | 592.0 | 592.0 | 592.0 | 592.0 | 592.0 | 592.0 | 592.0 | 592.0 | 592.0 |



TEST NUMBER: P332280-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-F1

**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°  | 8.6   | 8.6   | 8.6   | 8.6   | 8.5   | 8.4   | 8.3   | 8.3   |
| 90°    | 12.0  | 12.4  | 12.8  | 13.1  | 13.4  | 13.5  | 13.8  | 13.9  |
| 92.5°  | 18.5  | 18.8  | 19.2  | 19.3  | 19.2  | 19.0  | 18.9  | 18.8  |
| 95°    | 35.2  | 35.6  | 36.0  | 36.3  | 36.3  | 36.3  | 36.3  | 36.3  |
| 97.5°  | 54.8  | 55.3  | 55.8  | 55.9  | 55.9  | 55.8  | 55.8  | 55.8  |
| 100°   | 69.0  | 69.3  | 69.6  | 69.9  | 70.0  | 70.3  | 70.4  | 70.7  |
| 102.5° | 85.4  | 85.7  | 85.9  | 86.1  | 86.1  | 86.0  | 86.0  | 85.9  |
| 105°   | 109.7 | 109.7 | 109.7 | 109.8 | 110.1 | 110.2 | 110.5 | 110.7 |
| 107.5° | 136.2 | 136.5 | 136.8 | 137.0 | 136.8 | 136.7 | 136.6 | 136.5 |
| 110°   | 153.8 | 154.3 | 154.7 | 154.7 | 154.6 | 154.3 | 154.2 | 153.9 |





TEST NUMBER: P332280-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 171.5 | 171.9 | 172.4 | 172.7 | 172.7 | 172.6 | 172.6 | 172.5 |
| 115°   | 198.3 | 198.4 | 198.5 | 198.5 | 198.4 | 198.3 | 198.2 | 198.1 |
| 117.5° | 225.4 | 225.3 | 225.3 | 225.2 | 224.9 | 224.6 | 224.4 | 224.0 |
| 120°   | 243.4 | 243.4 | 243.3 | 243.1 | 242.9 | 242.7 | 242.5 | 242.3 |
| 122.5° | 261.7 | 261.5 | 261.2 | 260.9 | 260.7 | 260.3 | 260.1 | 259.8 |
| 125°   | 288.9 | 288.5 | 288.0 | 287.6 | 287.2 | 286.8 | 286.4 | 286.0 |
| 127.5° | 315.7 | 315.1 | 314.5 | 314.1 | 313.6 | 313.1 | 312.6 | 312.1 |
| 130°   | 333.5 | 333.1 | 332.7 | 332.2 | 331.4 | 330.7 | 330.0 | 329.2 |
| 132.5° | 350.8 | 350.3 | 349.8 | 349.4 | 348.8 | 348.2 | 347.6 | 347.1 |
| 135°   | 376.7 | 376.3 | 375.9 | 375.6 | 375.4 | 375.2 | 375.0 | 374.8 |
| 137.5° | 402.1 | 401.7 | 401.3 | 400.9 | 400.5 | 400.1 | 399.7 | 399.3 |
| 140°   | 418.8 | 418.7 | 418.6 | 418.2 | 417.4 | 416.7 | 416.0 | 415.3 |
| 142.5° | 434.4 | 434.3 | 434.2 | 433.9 | 433.3 | 432.8 | 432.2 | 431.6 |
| 145°   | 457.4 | 457.3 | 457.2 | 456.9 | 456.5 | 456.1 | 455.7 | 455.3 |
| 147.5° | 479.1 | 479.1 | 479.1 | 478.7 | 478.2 | 477.5 | 477.0 | 476.3 |
| 150°   | 492.4 | 492.4 | 492.4 | 492.2 | 491.5 | 490.9 | 490.3 | 489.7 |
| 152.5° | 504.8 | 504.9 | 505.1 | 504.8 | 504.3 | 503.8 | 503.3 | 502.7 |
| 155°   | 522.6 | 523.0 | 523.4 | 523.3 | 522.5 | 521.8 | 521.1 | 520.4 |
| 157.5° | 538.0 | 538.4 | 538.8 | 538.7 | 538.2 | 537.6 | 537.0 | 536.5 |
| 160°   | 547.5 | 548.0 | 548.5 | 548.5 | 548.1 | 547.7 | 547.3 | 546.9 |
| 162.5° | 556.4 | 556.9 | 557.4 | 557.3 | 556.7 | 556.0 | 555.4 | 554.7 |
| 165°   | 567.7 | 568.3 | 568.9 | 568.8 | 568.1 | 567.4 | 566.7 | 566.0 |
| 167.5° | 576.8 | 577.5 | 578.1 | 578.1 | 577.5 | 576.8 | 576.2 | 575.5 |
| 170°   | 581.8 | 582.5 | 583.3 | 583.3 | 582.5 | 581.8 | 581.1 | 580.3 |
| 172.5° | 585.7 | 586.4 | 587.0 | 587.0 | 586.3 | 585.5 | 584.8 | 584.1 |
| 175°   | 590.0 | 590.6 | 591.3 | 591.2 | 590.4 | 589.7 | 589.0 | 588.2 |
| 177.5° | 591.9 | 592.4 | 592.9 | 592.8 | 592.2 | 591.7 | 591.1 | 590.5 |
| 180°   | 592.0 | 592.0 | 592.0 | 592.0 | 592.0 | 592.0 | 592.0 | 592.0 |

(END OF REPORT)