

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: P333530-930

Luminaire Tested: **S125RDIP-S610D590U930-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333530-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S610D590U930-4F0-1E-UDD-F1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3606.6 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: General Diffuse

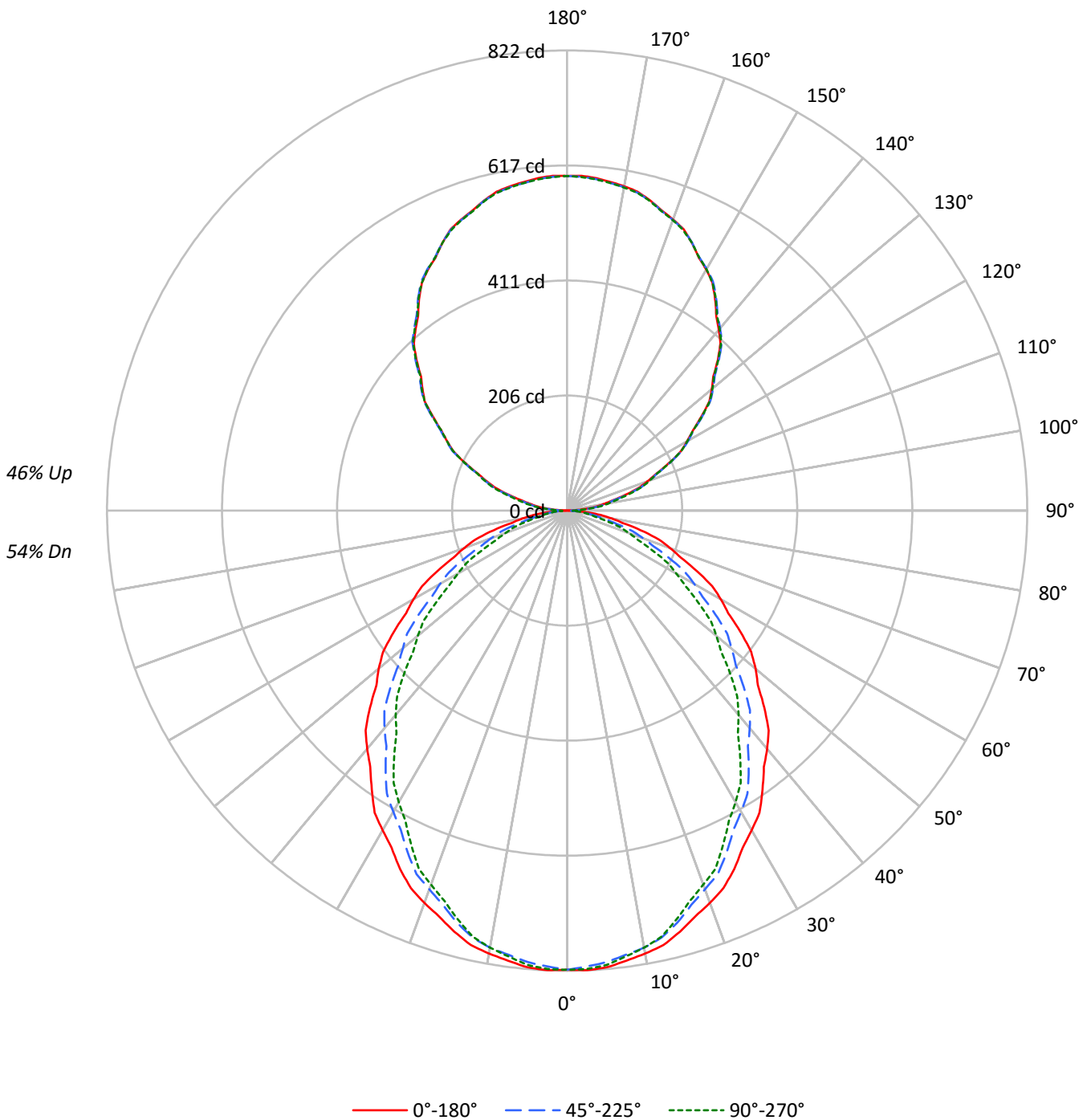
Input Watts (W): 32.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333530-930

CATALOG NUMBER: S125RDIP-S610D590U930-4F0-1E-UDD-F1

### Luminous Intensity Polar Plot





TEST NUMBER: P333530-930

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**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   | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 72 | 72 | 72 | 60 | 60 | 60 | 54 |
| 1   | 99  | 95  | 91  | 87  | 92  | 88  | 85  | 82  | 75 | 73 | 71 | 64 | 62 | 60 | 53 | 52 | 51 | 46 |
| 2   | 90  | 83  | 77  | 72  | 83  | 77  | 72  | 67  | 66 | 62 | 59 | 56 | 53 | 51 | 47 | 45 | 43 | 39 |
| 3   | 82  | 73  | 66  | 60  | 76  | 68  | 62  | 57  | 59 | 54 | 50 | 50 | 46 | 43 | 42 | 39 | 37 | 33 |
| 4   | 76  | 65  | 57  | 51  | 70  | 60  | 53  | 48  | 52 | 47 | 43 | 45 | 41 | 37 | 37 | 34 | 32 | 28 |
| 5   | 69  | 58  | 50  | 44  | 64  | 54  | 47  | 41  | 47 | 41 | 37 | 40 | 36 | 32 | 34 | 31 | 28 | 25 |
| 6   | 64  | 52  | 44  | 38  | 59  | 49  | 41  | 36  | 42 | 37 | 32 | 36 | 32 | 28 | 31 | 27 | 25 | 22 |
| 7   | 59  | 47  | 39  | 34  | 55  | 44  | 37  | 32  | 38 | 33 | 29 | 33 | 29 | 25 | 28 | 25 | 22 | 20 |
| 8   | 55  | 43  | 35  | 30  | 51  | 40  | 33  | 28  | 35 | 29 | 25 | 30 | 26 | 23 | 26 | 22 | 20 | 18 |
| 9   | 51  | 39  | 32  | 27  | 48  | 37  | 30  | 25  | 32 | 27 | 23 | 28 | 24 | 20 | 24 | 20 | 18 | 16 |
| 10  | 48  | 36  | 29  | 24  | 45  | 34  | 27  | 23  | 30 | 24 | 21 | 26 | 22 | 18 | 22 | 19 | 16 | 14 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5297 | 5297 | 5297 |
| 5°  | 5309 | 5249 | 5281 |
| 10° | 5269 | 5200 | 5200 |
| 15° | 5207 | 5094 | 5053 |
| 20° | 5126 | 4947 | 4887 |
| 25° | 5032 | 4802 | 4697 |
| 30° | 4915 | 4633 | 4486 |
| 35° | 4796 | 4459 | 4249 |
| 40° | 4684 | 4278 | 4016 |
| 45° | 4549 | 4074 | 3763 |
| 50° | 4413 | 3852 | 3497 |
| 55° | 4255 | 3640 | 3216 |
| 60° | 4097 | 3384 | 2913 |
| 65° | 3909 | 3085 | 2566 |
| 70° | 3697 | 2713 | 2211 |
| 75° | 3401 | 2286 | 1839 |
| 80° | 2998 | 1796 | 1543 |
| 85° | 2527 | 1467 | 1378 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 77.1   | 2.1       |
| 10°-20°   | 215.5  | 6.0       |
| 20°-30°   | 312.5  | 8.7       |
| 30°-40°   | 356.2  | 9.9       |
| 40°-50°   | 347.2  | 9.6       |
| 50°-60°   | 292.3  | 8.1       |
| 60°-70°   | 204.9  | 5.7       |
| 70°-80°   | 105.3  | 2.9       |
| 80°-90°   | 27.9   | 0.8       |
| 90°-100°  | 40.0   | 1.1       |
| 100°-110° | 118.2  | 3.3       |
| 110°-120° | 200.2  | 5.6       |
| 120°-130° | 263.5  | 7.3       |
| 130°-140° | 295.3  | 8.2       |
| 140°-150° | 289.4  | 8.0       |
| 150°-160° | 243.0  | 6.7       |
| 160°-170° | 161.6  | 4.5       |
| 170°-180° | 56.5   | 1.6       |
| 0°-30°    | 605.2  | 16.8      |
| 0°-40°    | 961.4  | 26.7      |
| 0°-60°    | 1600.8 | 44.4      |
| 0°-90°    | 1938.9 | 53.8      |
| 90°-120°  | 358.5  | 9.9       |
| 90°-150°  | 1206.6 | 33.5      |
| 90°-180°  | 1668.0 | 46.2      |
| 0°-180°   | 3606.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 820 | 820   | 820 | 820   | 820 |      |
| 5°   | 819 | 816   | 810 | 815   | 815 | 78   |
| 15°  | 779 | 774   | 762 | 761   | 756 | 219  |
| 25°  | 706 | 696   | 674 | 666   | 659 | 325  |
| 35°  | 608 | 593   | 566 | 548   | 539 | 381  |
| 45°  | 498 | 479   | 446 | 422   | 412 | 384  |
| 55°  | 378 | 357   | 323 | 296   | 286 | 338  |
| 65°  | 256 | 234   | 202 | 178   | 168 | 253  |
| 75°  | 136 | 117   | 92  | 79    | 74  | 144  |
| 85°  | 34  | 23    | 20  | 19    | 19  | 38   |
| 90°  | 0   | 4     | 7   | 10    | 11  | 3    |
| 95°  | 30  | 31    | 36  | 39    | 40  | 32   |
| 105° | 106 | 108   | 111 | 114   | 115 | 113  |
| 115° | 200 | 202   | 203 | 203   | 202 | 198  |
| 125° | 292 | 295   | 296 | 295   | 294 | 262  |
| 135° | 380 | 383   | 384 | 384   | 382 | 293  |
| 145° | 461 | 463   | 464 | 464   | 463 | 288  |
| 155° | 527 | 527   | 528 | 530   | 527 | 243  |
| 165° | 574 | 573   | 573 | 575   | 572 | 162  |
| 175° | 596 | 594   | 594 | 597   | 594 | 57   |
| 180° | 598 | 598   | 598 | 598   | 598 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 |
| 2.5°   | 821.7 | 821.3 | 821.0 | 820.7 | 820.4 | 819.6 | 818.5 | 817.4 | 816.3 | 815.2 | 816.3 |
| 5°     | 818.9 | 818.4 | 817.8 | 817.3 | 816.7 | 815.7 | 814.2 | 812.7 | 811.1 | 809.6 | 811.0 |
| 7.5°   | 810.9 | 810.3 | 809.8 | 809.3 | 808.8 | 807.6 | 805.8 | 804.0 | 802.2 | 800.3 | 801.3 |
| 10°    | 803.4 | 803.0 | 802.6 | 802.2 | 801.8 | 800.6 | 798.7 | 796.8 | 794.8 | 792.9 | 793.3 |
| 12.5°  | 795.0 | 794.5 | 793.9 | 793.4 | 792.9 | 791.3 | 788.8 | 786.2 | 783.6 | 781.0 | 781.3 |
| 15°    | 778.7 | 777.8 | 777.0 | 776.2 | 775.3 | 773.5 | 770.6 | 767.7 | 764.8 | 761.9 | 761.8 |
| 17.5°  | 760.2 | 759.0 | 757.7 | 756.4 | 755.1 | 752.7 | 749.0 | 745.4 | 741.8 | 738.2 | 737.4 |
| 20°    | 745.8 | 744.4 | 743.1 | 741.7 | 740.3 | 737.4 | 733.0 | 728.6 | 724.2 | 719.8 | 719.1 |
| 22.5°  | 729.9 | 728.6 | 727.2 | 725.9 | 724.5 | 721.5 | 716.8 | 712.2 | 707.6 | 703.0 | 701.6 |
| 25°    | 706.2 | 704.1 | 702.1 | 700.0 | 697.9 | 694.3 | 689.3 | 684.1 | 679.1 | 673.9 | 672.2 |
| 27.5°  | 678.9 | 676.5 | 673.9 | 671.4 | 668.9 | 665.0 | 659.5 | 654.0 | 648.6 | 643.1 | 640.6 |
| 30°    | 659.1 | 656.5 | 653.9 | 651.3 | 648.7 | 644.4 | 638.6 | 632.9 | 627.1 | 621.3 | 618.2 |
| 32.5°  | 639.8 | 636.7 | 633.7 | 630.6 | 627.5 | 623.1 | 617.2 | 611.3 | 605.4 | 599.5 | 596.0 |
| 35°    | 608.3 | 605.0 | 601.7 | 598.4 | 595.1 | 590.4 | 584.2 | 578.0 | 571.8 | 565.6 | 561.6 |
| 37.5°  | 577.5 | 573.4 | 569.4 | 565.4 | 561.4 | 556.2 | 549.8 | 543.4 | 537.0 | 530.6 | 525.9 |
| 40°    | 555.6 | 551.5 | 547.4 | 543.2 | 539.2 | 533.8 | 527.2 | 520.6 | 514.0 | 507.4 | 502.1 |
| 42.5°  | 532.9 | 528.6 | 524.4 | 520.2 | 515.9 | 510.4 | 503.5 | 496.7 | 489.9 | 483.1 | 478.0 |
| 45°    | 498.1 | 494.1 | 490.1 | 486.1 | 482.1 | 476.3 | 468.7 | 461.1 | 453.6 | 446.0 | 440.5 |
| 47.5°  | 462.0 | 457.8 | 453.6 | 449.4 | 445.2 | 439.2 | 431.6 | 424.0 | 416.4 | 408.7 | 403.1 |
| 50°    | 439.2 | 434.6 | 430.1 | 425.6 | 421.0 | 414.8 | 407.0 | 399.2 | 391.3 | 383.4 | 377.6 |
| 52.5°  | 414.4 | 409.8 | 405.1 | 400.5 | 395.8 | 389.8 | 382.4 | 375.0 | 367.5 | 360.1 | 353.9 |
| 55°    | 377.9 | 373.5 | 369.1 | 364.7 | 360.3 | 354.2 | 346.5 | 338.8 | 331.1 | 323.3 | 317.2 |
| 57.5°  | 341.0 | 336.2 | 331.5 | 326.9 | 322.1 | 316.0 | 308.6 | 301.2 | 293.8 | 286.3 | 280.2 |
| 60°    | 317.2 | 312.3 | 307.5 | 302.7 | 297.9 | 291.8 | 284.3 | 276.9 | 269.5 | 262.0 | 256.0 |
| 62.5°  | 291.9 | 287.3 | 282.7 | 278.1 | 273.5 | 267.4 | 259.9 | 252.3 | 244.8 | 237.3 | 231.6 |
| 65°    | 255.8 | 251.2 | 246.5 | 241.8 | 237.1 | 231.1 | 223.8 | 216.5 | 209.2 | 201.9 | 196.4 |
| 67.5°  | 220.0 | 215.3 | 210.7 | 206.0 | 201.3 | 195.5 | 188.5 | 181.5 | 174.5 | 167.5 | 162.5 |
| 70°    | 195.8 | 191.1 | 186.4 | 181.7 | 177.0 | 171.2 | 164.4 | 157.5 | 150.6 | 143.7 | 139.4 |
| 72.5°  | 171.9 | 167.4 | 162.8 | 158.2 | 153.7 | 148.1 | 141.7 | 135.3 | 128.8 | 122.4 | 118.5 |
| 75°    | 136.3 | 132.2 | 128.0 | 123.9 | 119.8 | 114.8 | 109.0 | 103.2 | 97.4  | 91.6  | 88.6  |
| 77.5°  | 100.9 | 97.5  | 94.2  | 90.9  | 87.6  | 83.6  | 79.0  | 74.4  | 69.8  | 65.1  | 63.0  |
| 80°    | 80.6  | 77.2  | 73.9  | 70.6  | 67.3  | 63.8  | 59.8  | 56.0  | 52.2  | 48.3  | 47.0  |
| 82.5°  | 60.7  | 57.7  | 54.8  | 51.8  | 48.8  | 46.0  | 43.4  | 40.7  | 38.1  | 35.5  | 34.9  |
| 85°    | 34.1  | 31.6  | 29.1  | 26.7  | 24.1  | 22.6  | 21.9  | 21.2  | 20.5  | 19.8  | 19.6  |
| 87.5°  | 11.5  | 10.9  | 10.3  | 9.7   | 9.0   | 8.8   | 8.8   | 8.9   | 8.9   | 8.9   | 9.0   |
| 90°    | 0.5   | 1.3   | 2.1   | 2.9   | 3.8   | 4.6   | 5.3   | 6.0   | 6.7   | 7.4   | 8.0   |
| 92.5°  | 11.3  | 11.8  | 12.4  | 13.0  | 13.5  | 14.3  | 15.2  | 16.1  | 17.0  | 17.9  | 18.5  |
| 95°    | 30.2  | 30.4  | 30.7  | 30.8  | 31.1  | 31.7  | 32.7  | 33.8  | 34.8  | 35.8  | 36.5  |
| 97.5°  | 50.2  | 50.3  | 50.4  | 50.5  | 50.5  | 51.3  | 52.7  | 54.1  | 55.6  | 57.0  | 57.7  |
| 100°   | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.8  | 67.1  | 68.5  | 69.8  | 71.2  | 72.1  |
| 102.5° | 81.1  | 81.5  | 81.9  | 82.3  | 82.8  | 83.3  | 84.0  | 84.7  | 85.4  | 86.0  | 87.1  |
| 105°   | 106.1 | 106.6 | 107.0 | 107.6 | 108.1 | 108.7 | 109.3 | 109.9 | 110.6 | 111.1 | 111.8 |
| 107.5° | 133.5 | 134.1 | 134.6 | 135.1 | 135.7 | 136.2 | 136.6 | 137.1 | 137.5 | 138.0 | 138.4 |
| 110°   | 152.5 | 153.0 | 153.6 | 154.1 | 154.7 | 155.1 | 155.3 | 155.6 | 156.0 | 156.3 | 156.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 171.9 | 172.2 | 172.4 | 172.7 | 173.0 | 173.3 | 173.7 | 174.1 | 174.5 | 174.9 | 175.0 |
| 115°   | 200.5 | 200.9 | 201.3 | 201.7 | 202.1 | 202.4 | 202.6 | 202.8 | 203.0 | 203.3 | 203.2 |
| 117.5° | 229.1 | 229.3 | 229.5 | 229.7 | 229.8 | 230.1 | 230.2 | 230.4 | 230.6 | 230.8 | 230.9 |
| 120°   | 247.0 | 247.5 | 248.0 | 248.5 | 249.1 | 249.3 | 249.5 | 249.6 | 249.6 | 249.7 | 249.7 |
| 122.5° | 266.4 | 266.5 | 266.7 | 266.8 | 267.1 | 267.3 | 267.6 | 267.8 | 268.1 | 268.4 | 268.3 |
| 125°   | 292.5 | 293.2 | 293.8 | 294.4 | 295.1 | 295.4 | 295.5 | 295.6 | 295.7 | 295.8 | 295.6 |
| 127.5° | 320.5 | 320.8 | 321.1 | 321.5 | 321.9 | 322.1 | 322.2 | 322.4 | 322.5 | 322.6 | 322.5 |
| 130°   | 337.2 | 337.7 | 338.3 | 338.8 | 339.2 | 339.7 | 339.8 | 340.1 | 340.2 | 340.5 | 340.4 |
| 132.5° | 353.9 | 354.8 | 355.6 | 356.4 | 357.3 | 357.8 | 357.7 | 357.7 | 357.6 | 357.6 | 357.5 |
| 135°   | 380.4 | 381.1 | 381.7 | 382.3 | 382.9 | 383.3 | 383.4 | 383.5 | 383.6 | 383.7 | 383.7 |
| 137.5° | 405.4 | 406.0 | 406.6 | 407.2 | 407.8 | 408.2 | 408.5 | 408.6 | 408.9 | 409.1 | 409.2 |
| 140°   | 421.3 | 421.9 | 422.4 | 422.9 | 423.5 | 423.9 | 424.2 | 424.5 | 424.8 | 425.1 | 425.3 |
| 142.5° | 437.4 | 437.8 | 438.2 | 438.7 | 439.1 | 439.5 | 439.9 | 440.3 | 440.8 | 441.1 | 441.2 |
| 145°   | 460.9 | 461.3 | 461.8 | 462.2 | 462.6 | 462.9 | 463.3 | 463.6 | 463.9 | 464.1 | 464.1 |
| 147.5° | 482.7 | 482.9 | 483.1 | 483.4 | 483.6 | 483.8 | 484.0 | 484.4 | 484.6 | 484.9 | 485.1 |
| 150°   | 497.2 | 497.1 | 497.0 | 496.9 | 496.8 | 496.9 | 497.3 | 497.7 | 498.1 | 498.6 | 498.6 |
| 152.5° | 509.1 | 509.2 | 509.4 | 509.6 | 509.6 | 509.8 | 510.0 | 510.1 | 510.3 | 510.5 | 510.8 |
| 155°   | 527.4 | 527.4 | 527.4 | 527.4 | 527.4 | 527.5 | 527.6 | 527.7 | 527.8 | 527.9 | 528.3 |
| 157.5° | 543.8 | 543.6 | 543.3 | 543.2 | 542.9 | 542.8 | 542.9 | 543.1 | 543.2 | 543.2 | 543.6 |
| 160°   | 553.5 | 553.2 | 552.9 | 552.5 | 552.2 | 552.1 | 552.2 | 552.4 | 552.4 | 552.5 | 552.9 |
| 162.5° | 562.1 | 561.8 | 561.6 | 561.3 | 561.1 | 561.0 | 561.0 | 561.1 | 561.1 | 561.1 | 561.6 |
| 165°   | 573.5 | 573.2 | 573.1 | 572.8 | 572.7 | 572.6 | 572.7 | 572.8 | 572.9 | 573.0 | 573.4 |
| 167.5° | 583.2 | 582.8 | 582.3 | 581.9 | 581.5 | 581.3 | 581.3 | 581.3 | 581.3 | 581.3 | 581.9 |
| 170°   | 588.3 | 587.9 | 587.5 | 587.1 | 586.7 | 586.5 | 586.5 | 586.5 | 586.5 | 586.5 | 587.1 |
| 172.5° | 592.1 | 591.7 | 591.3 | 590.8 | 590.4 | 590.2 | 590.2 | 590.2 | 590.2 | 590.2 | 590.8 |
| 175°   | 596.2 | 595.8 | 595.4 | 595.0 | 594.6 | 594.4 | 594.4 | 594.4 | 594.4 | 594.4 | 595.0 |
| 177.5° | 598.4 | 598.1 | 597.8 | 597.5 | 597.0 | 596.9 | 596.8 | 596.7 | 596.6 | 596.6 | 597.0 |
| 180°   | 597.7 | 597.7 | 597.7 | 597.7 | 597.7 | 597.7 | 597.7 | 597.7 | 597.7 | 597.7 | 597.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 |
| 2.5°   | 817.4 | 818.5 | 819.6 | 820.1 | 820.0 | 819.9 | 819.8 | 819.7 |
| 5°     | 812.4 | 813.8 | 815.1 | 815.7 | 815.4 | 815.1 | 814.9 | 814.6 |
| 7.5°   | 802.3 | 803.2 | 804.2 | 804.5 | 804.2 | 803.9 | 803.6 | 803.3 |
| 10°    | 793.7 | 794.1 | 794.6 | 794.6 | 794.1 | 793.7 | 793.3 | 792.9 |
| 12.5°  | 781.6 | 782.0 | 782.2 | 782.0 | 781.4 | 780.8 | 780.2 | 779.5 |
| 15°    | 761.7 | 761.5 | 761.4 | 760.7 | 759.5 | 758.2 | 757.0 | 755.7 |
| 17.5°  | 736.8 | 736.1 | 735.4 | 734.5 | 733.5 | 732.5 | 731.5 | 730.4 |
| 20°    | 718.4 | 717.7 | 717.1 | 716.1 | 714.9 | 713.6 | 712.4 | 711.1 |
| 22.5°  | 700.3 | 698.9 | 697.6 | 696.3 | 695.4 | 694.3 | 693.3 | 692.3 |
| 25°    | 670.4 | 668.6 | 666.8 | 665.1 | 663.7 | 662.1 | 660.6 | 659.1 |
| 27.5°  | 638.1 | 635.6 | 633.1 | 631.1 | 629.7 | 628.2 | 626.7 | 625.3 |
| 30°    | 615.0 | 611.8 | 608.6 | 606.4 | 605.2 | 604.0 | 602.8 | 601.5 |
| 32.5°  | 592.5 | 589.1 | 585.5 | 583.0 | 581.4 | 579.8 | 578.3 | 576.7 |
| 35°    | 557.6 | 553.6 | 549.6 | 546.7 | 544.7 | 542.7 | 540.9 | 538.9 |
| 37.5°  | 521.1 | 516.2 | 511.4 | 508.1 | 506.2 | 504.4 | 502.6 | 500.7 |
| 40°    | 496.8 | 491.6 | 486.4 | 483.0 | 481.4 | 479.6 | 478.0 | 476.4 |
| 42.5°  | 473.0 | 468.0 | 463.0 | 459.3 | 456.9 | 454.4 | 452.0 | 449.6 |
| 45°    | 435.0 | 429.5 | 424.0 | 420.2 | 418.2 | 416.0 | 414.0 | 412.0 |
| 47.5°  | 397.4 | 391.7 | 386.0 | 382.0 | 379.8 | 377.5 | 375.2 | 372.9 |
| 50°    | 371.9 | 366.1 | 360.3 | 356.4 | 354.3 | 352.3 | 350.2 | 348.1 |
| 52.5°  | 347.7 | 341.4 | 335.3 | 331.1 | 329.1 | 327.0 | 324.9 | 322.9 |
| 55°    | 311.0 | 304.8 | 298.6 | 294.4 | 292.2 | 290.0 | 287.8 | 285.6 |
| 57.5°  | 274.2 | 268.2 | 262.1 | 258.0 | 256.1 | 254.1 | 252.3 | 250.3 |
| 60°    | 249.9 | 243.9 | 237.8 | 233.7 | 231.7 | 229.6 | 227.6 | 225.5 |
| 62.5°  | 226.0 | 220.4 | 214.7 | 210.9 | 208.9 | 206.8 | 204.7 | 202.7 |
| 65°    | 190.9 | 185.4 | 179.9 | 176.1 | 174.1 | 172.0 | 169.9 | 167.9 |
| 67.5°  | 157.4 | 152.4 | 147.3 | 144.0 | 142.4 | 140.7 | 139.0 | 137.4 |
| 70°    | 135.2 | 130.9 | 126.6 | 123.7 | 122.1 | 120.4 | 118.7 | 117.1 |
| 72.5°  | 114.5 | 110.6 | 106.6 | 104.1 | 103.1 | 101.9 | 100.9 | 99.7  |
| 75°    | 85.6  | 82.6  | 79.6  | 77.5  | 76.6  | 75.7  | 74.7  | 73.7  |
| 77.5°  | 60.9  | 58.8  | 56.7  | 55.3  | 54.5  | 53.8  | 53.2  | 52.4  |
| 80°    | 45.8  | 44.6  | 43.4  | 42.6  | 42.3  | 42.1  | 41.7  | 41.5  |
| 82.5°  | 34.2  | 33.7  | 33.1  | 32.8  | 32.6  | 32.4  | 32.3  | 32.1  |
| 85°    | 19.6  | 19.4  | 19.2  | 19.2  | 19.0  | 18.8  | 18.8  | 18.6  |
| 87.5°  | 9.1   | 9.2   | 9.4   | 9.4   | 9.3   | 9.3   | 9.2   | 9.1   |
| 90°    | 8.5   | 9.0   | 9.5   | 9.9   | 10.3  | 10.5  | 10.8  | 11.2  |
| 92.5°  | 19.2  | 19.9  | 20.6  | 21.0  | 21.3  | 21.5  | 21.7  | 21.9  |
| 95°    | 37.3  | 38.0  | 38.7  | 39.1  | 39.4  | 39.6  | 39.8  | 40.0  |
| 97.5°  | 58.4  | 59.1  | 59.8  | 60.2  | 60.3  | 60.4  | 60.5  | 60.7  |
| 100°   | 73.1  | 73.9  | 74.8  | 75.4  | 75.7  | 75.9  | 76.1  | 76.3  |
| 102.5° | 88.1  | 89.1  | 90.1  | 90.7  | 91.1  | 91.3  | 91.6  | 91.9  |
| 105°   | 112.4 | 113.0 | 113.7 | 114.1 | 114.4 | 114.7 | 115.0 | 115.4 |
| 107.5° | 138.7 | 139.0 | 139.3 | 139.4 | 139.4 | 139.4 | 139.3 | 139.3 |
| 110°   | 156.9 | 157.2 | 157.5 | 157.6 | 157.5 | 157.4 | 157.3 | 157.2 |





TEST NUMBER: P333530-930

CATALOG NUMBER: S125RDIP-S610D590U930-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.2 | 175.3 | 175.5 | 175.5 | 175.3 | 175.0 | 174.9 | 174.7 |
| 115°   | 203.0 | 202.9 | 202.8 | 202.8 | 202.6 | 202.5 | 202.4 | 202.4 |
| 117.5° | 231.0 | 231.1 | 231.1 | 231.0 | 230.6 | 230.2 | 229.8 | 229.3 |
| 120°   | 249.7 | 249.7 | 249.7 | 249.6 | 249.2 | 248.7 | 248.3 | 247.9 |
| 122.5° | 268.2 | 268.2 | 268.1 | 267.8 | 267.5 | 267.2 | 266.8 | 266.5 |
| 125°   | 295.4 | 295.2 | 295.0 | 294.8 | 294.7 | 294.6 | 294.5 | 294.4 |
| 127.5° | 322.4 | 322.3 | 322.2 | 322.0 | 321.8 | 321.6 | 321.4 | 321.2 |
| 130°   | 340.2 | 340.1 | 340.1 | 339.9 | 339.7 | 339.5 | 339.2 | 339.1 |
| 132.5° | 357.3 | 357.3 | 357.2 | 356.9 | 356.7 | 356.4 | 356.1 | 355.8 |
| 135°   | 383.7 | 383.7 | 383.7 | 383.5 | 383.1 | 382.7 | 382.3 | 381.9 |
| 137.5° | 409.4 | 409.4 | 409.6 | 409.4 | 408.9 | 408.4 | 407.9 | 407.3 |
| 140°   | 425.5 | 425.7 | 425.9 | 425.7 | 425.3 | 424.8 | 424.2 | 423.7 |
| 142.5° | 441.3 | 441.5 | 441.6 | 441.4 | 440.9 | 440.3 | 439.9 | 439.4 |
| 145°   | 464.1 | 464.1 | 464.1 | 464.0 | 463.7 | 463.4 | 463.1 | 462.8 |
| 147.5° | 485.3 | 485.6 | 485.8 | 485.6 | 484.9 | 484.2 | 483.5 | 482.8 |
| 150°   | 498.6 | 498.6 | 498.6 | 498.5 | 498.3 | 498.1 | 497.9 | 497.7 |
| 152.5° | 511.0 | 511.3 | 511.5 | 511.4 | 511.0 | 510.7 | 510.3 | 510.0 |
| 155°   | 528.7 | 529.1 | 529.5 | 529.5 | 529.0 | 528.5 | 527.9 | 527.4 |
| 157.5° | 544.0 | 544.5 | 544.9 | 544.8 | 544.0 | 543.4 | 542.7 | 542.0 |
| 160°   | 553.3 | 553.8 | 554.2 | 554.2 | 553.7 | 553.1 | 552.6 | 552.1 |
| 162.5° | 562.1 | 562.6 | 563.1 | 563.0 | 562.5 | 561.8 | 561.3 | 560.6 |
| 165°   | 573.8 | 574.2 | 574.7 | 574.5 | 574.0 | 573.3 | 572.7 | 572.1 |
| 167.5° | 582.5 | 583.2 | 583.8 | 583.8 | 583.1 | 582.4 | 581.8 | 581.2 |
| 170°   | 587.7 | 588.3 | 589.0 | 588.9 | 588.2 | 587.5 | 586.8 | 586.0 |
| 172.5° | 591.5 | 592.1 | 592.7 | 592.7 | 592.1 | 591.4 | 590.8 | 590.1 |
| 175°   | 595.7 | 596.2 | 596.9 | 596.8 | 596.1 | 595.4 | 594.7 | 593.9 |
| 177.5° | 597.5 | 598.0 | 598.5 | 598.5 | 597.9 | 597.4 | 596.7 | 596.1 |
| 180°   | 597.7 | 597.7 | 597.7 | 597.7 | 597.7 | 597.7 | 597.7 | 597.7 |

(END OF REPORT)