

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: P333182-830

Luminaire Tested: **S125DIP-S610D810U830-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333182-830  
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: S125DIP-S610D810U830-4F0-1E-UDD-D1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4907.3 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')  
CIE Type: General Diffuse

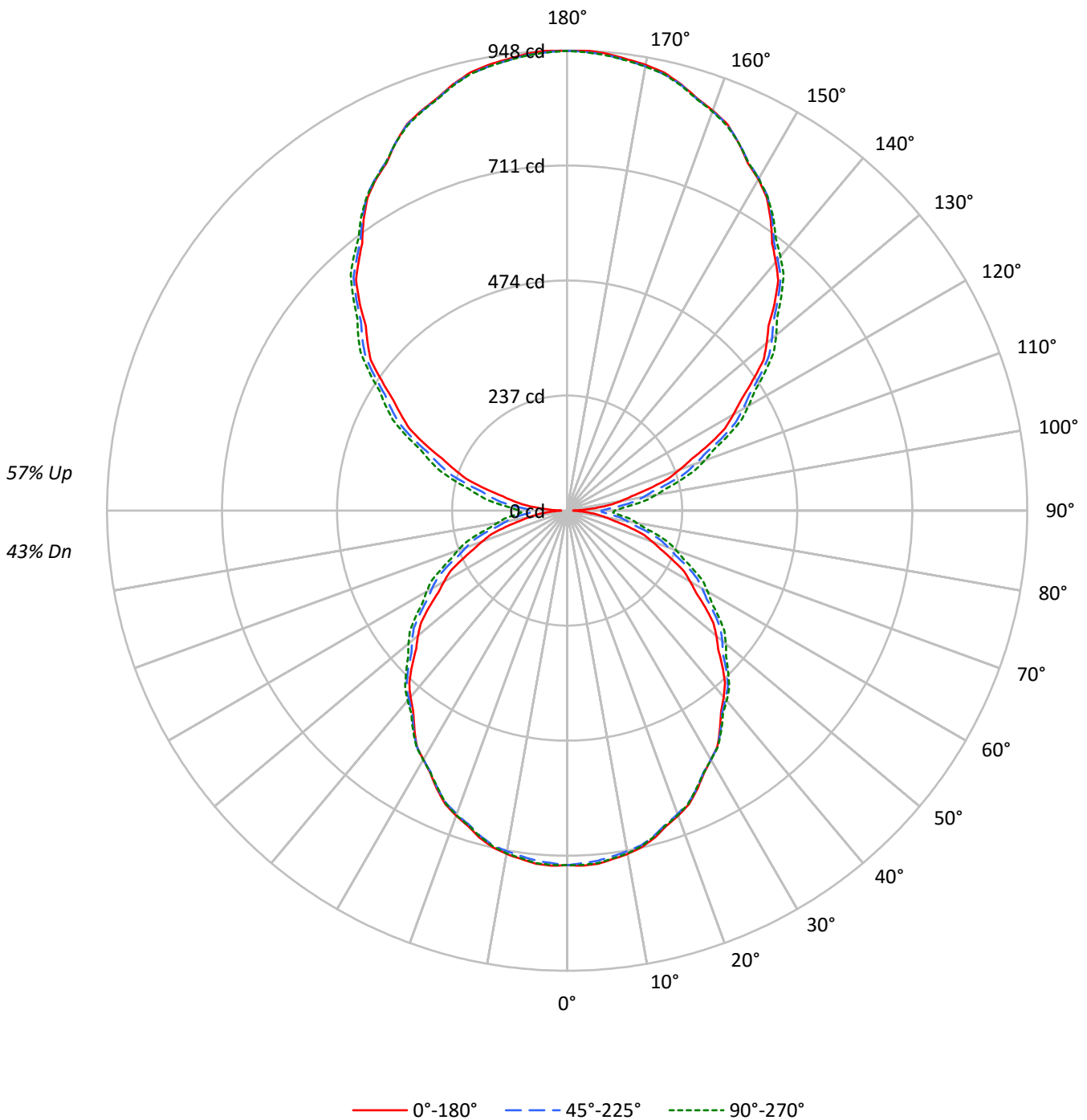
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333182-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-D1

### Luminous Intensity Polar Plot





TEST NUMBER: P333182-830

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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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 |  | 64 | 64 | 64 |  | 50 | 50 | 50 | 43 |
| 1   | 96  | 91  | 87  | 83  | 87 | 83 | 80 | 77 | 69 | 66 | 64 |  | 55 | 54 | 52 |  | 43 | 42 | 41 | 35 |
| 2   | 87  | 79  | 73  | 67  | 79 | 72 | 67 | 62 | 60 | 56 | 52 |  | 48 | 45 | 43 |  | 38 | 36 | 34 | 29 |
| 3   | 79  | 69  | 62  | 56  | 72 | 64 | 57 | 52 | 53 | 48 | 44 |  | 42 | 39 | 36 |  | 33 | 31 | 29 | 24 |
| 4   | 72  | 61  | 53  | 47  | 66 | 56 | 49 | 44 | 47 | 41 | 37 |  | 38 | 34 | 31 |  | 29 | 27 | 24 | 21 |
| 5   | 66  | 54  | 46  | 40  | 60 | 50 | 43 | 37 | 42 | 36 | 32 |  | 34 | 30 | 26 |  | 26 | 24 | 21 | 18 |
| 6   | 61  | 49  | 40  | 35  | 55 | 45 | 38 | 32 | 37 | 32 | 28 |  | 30 | 26 | 23 |  | 24 | 21 | 19 | 16 |
| 7   | 56  | 44  | 36  | 30  | 51 | 40 | 33 | 28 | 34 | 28 | 24 |  | 28 | 23 | 20 |  | 22 | 19 | 16 | 14 |
| 8   | 52  | 40  | 32  | 27  | 47 | 37 | 30 | 25 | 31 | 25 | 21 |  | 25 | 21 | 18 |  | 20 | 17 | 15 | 12 |
| 9   | 48  | 36  | 29  | 24  | 44 | 33 | 27 | 22 | 28 | 23 | 19 |  | 23 | 19 | 16 |  | 18 | 15 | 13 | 11 |
| 10  | 45  | 33  | 26  | 21  | 41 | 31 | 24 | 20 | 26 | 21 | 17 |  | 21 | 17 | 15 |  | 17 | 14 | 12 | 10 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 4718 | 4718 | 4718 |
| 5°  | 4727 | 4630 | 4645 |
| 10° | 4693 | 4548 | 4541 |
| 15° | 4638 | 4449 | 4409 |
| 20° | 4562 | 4326 | 4276 |
| 25° | 4473 | 4195 | 4112 |
| 30° | 4364 | 4051 | 3964 |
| 35° | 4263 | 3919 | 3829 |
| 40° | 4160 | 3779 | 3691 |
| 45° | 4043 | 3661 | 3570 |
| 50° | 3932 | 3531 | 3463 |
| 55° | 3798 | 3408 | 3337 |
| 60° | 3652 | 3269 | 3208 |
| 65° | 3499 | 3124 | 3063 |
| 70° | 3326 | 2924 | 2915 |
| 75° | 3052 | 2732 | 2732 |
| 80° | 2694 | 2501 | 2532 |
| 85° | 2358 | 2344 | 2469 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 69.1   | 1.4       |
| 10°-20°   | 196.1  | 4.0       |
| 20°-30°   | 291.6  | 5.9       |
| 30°-40°   | 345.4  | 7.0       |
| 40°-50°   | 357.1  | 7.3       |
| 50°-60°   | 329.0  | 6.7       |
| 60°-70°   | 265.9  | 5.4       |
| 70°-80°   | 178.1  | 3.6       |
| 80°-90°   | 94.4   | 1.9       |
| 90°-100°  | 115.3  | 2.3       |
| 100°-110° | 225.5  | 4.6       |
| 110°-120° | 342.9  | 7.0       |
| 120°-130° | 432.1  | 8.8       |
| 130°-140° | 474.2  | 9.7       |
| 140°-150° | 459.8  | 9.4       |
| 150°-160° | 385.2  | 7.8       |
| 160°-170° | 256.0  | 5.2       |
| 170°-180° | 89.6   | 1.8       |
| 0°-30°    | 556.7  | 11.3      |
| 0°-40°    | 902.2  | 18.4      |
| 0°-60°    | 1588.2 | 32.4      |
| 0°-90°    | 2126.7 | 43.3      |
| 90°-120°  | 683.7  | 13.9      |
| 90°-150°  | 2049.8 | 41.8      |
| 90°-180°  | 2781.0 | 56.7      |
| 0°-180°   | 4907.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 730 | 730   | 730 | 730   | 730 |      |
| 5°   | 730 | 729   | 724 | 729   | 729 | 69   |
| 15°  | 698 | 698   | 693 | 697   | 695 | 196  |
| 25°  | 634 | 636   | 632 | 634   | 631 | 292  |
| 35°  | 549 | 553   | 551 | 554   | 554 | 343  |
| 45°  | 452 | 460   | 463 | 468   | 469 | 349  |
| 55°  | 347 | 359   | 370 | 378   | 381 | 310  |
| 65°  | 239 | 256   | 273 | 283   | 286 | 237  |
| 75°  | 132 | 151   | 173 | 187   | 191 | 140  |
| 85°  | 39  | 63    | 88  | 103   | 110 | 42   |
| 90°  | 12  | 41    | 70  | 90    | 98  | 10   |
| 95°  | 57  | 78    | 109 | 129   | 136 | 58   |
| 105° | 174 | 190   | 216 | 234   | 242 | 186  |
| 115° | 322 | 331   | 350 | 362   | 366 | 318  |
| 125° | 466 | 471   | 485 | 495   | 498 | 417  |
| 135° | 604 | 608   | 614 | 623   | 624 | 466  |
| 145° | 731 | 733   | 736 | 739   | 740 | 457  |
| 155° | 836 | 836   | 836 | 839   | 836 | 385  |
| 165° | 909 | 907   | 908 | 911   | 906 | 256  |
| 175° | 945 | 942   | 942 | 946   | 941 | 90   |
| 180° | 947 | 947   | 947 | 947   | 947 |      |



TEST NUMBER: P333182-830

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 |
| 2.5°   | 732.2 | 731.9 | 731.7 | 731.4 | 731.1 | 730.6 | 729.7 | 728.8 | 727.9 | 727.0 | 727.9 |
| 5°     | 730.5 | 730.1 | 729.8 | 729.5 | 729.2 | 728.5 | 727.4 | 726.2 | 725.1 | 724.0 | 725.3 |
| 7.5°   | 724.0 | 723.9 | 723.8 | 723.6 | 723.5 | 722.8 | 721.7 | 720.6 | 719.4 | 718.3 | 719.3 |
| 10°    | 718.3 | 718.3 | 718.3 | 718.3 | 718.3 | 717.7 | 716.3 | 715.1 | 713.8 | 712.6 | 713.7 |
| 12.5°  | 710.3 | 710.4 | 710.5 | 710.7 | 710.8 | 710.3 | 709.3 | 708.3 | 707.3 | 706.2 | 707.1 |
| 15°    | 697.5 | 697.7 | 697.9 | 698.0 | 698.1 | 697.7 | 696.5 | 695.4 | 694.4 | 693.2 | 694.2 |
| 17.5°  | 680.9 | 681.2 | 681.6 | 681.8 | 682.2 | 681.7 | 680.7 | 679.6 | 678.4 | 677.3 | 678.1 |
| 20°    | 668.8 | 669.2 | 669.5 | 669.9 | 670.1 | 669.8 | 668.6 | 667.5 | 666.4 | 665.2 | 665.7 |
| 22.5°  | 655.2 | 655.7 | 656.3 | 656.9 | 657.4 | 657.0 | 655.8 | 654.6 | 653.4 | 652.1 | 652.7 |
| 25°    | 633.8 | 634.2 | 634.7 | 635.2 | 635.7 | 635.5 | 634.5 | 633.6 | 632.5 | 631.6 | 632.3 |
| 27.5°  | 610.0 | 610.7 | 611.4 | 612.1 | 612.8 | 612.7 | 611.5 | 610.5 | 609.4 | 608.3 | 608.7 |
| 30°    | 592.2 | 593.2 | 594.2 | 595.1 | 596.1 | 596.1 | 595.1 | 594.2 | 593.2 | 592.2 | 592.6 |
| 32.5°  | 576.2 | 577.0 | 577.9 | 578.7 | 579.5 | 579.6 | 578.9 | 578.2 | 577.5 | 576.7 | 577.1 |
| 35°    | 548.6 | 549.7 | 550.8 | 551.9 | 553.0 | 553.4 | 552.9 | 552.3 | 551.9 | 551.4 | 551.9 |
| 37.5°  | 520.9 | 522.0 | 522.9 | 524.0 | 525.0 | 525.4 | 525.3 | 525.1 | 524.9 | 524.8 | 525.4 |
| 40°    | 502.0 | 503.3 | 504.5 | 505.9 | 507.1 | 507.7 | 507.5 | 507.4 | 507.2 | 507.0 | 507.7 |
| 42.5°  | 481.4 | 483.1 | 484.7 | 486.4 | 488.0 | 489.0 | 489.4 | 489.7 | 490.0 | 490.4 | 491.2 |
| 45°    | 451.9 | 453.6 | 455.3 | 457.1 | 458.9 | 460.1 | 461.0 | 461.8 | 462.5 | 463.4 | 464.5 |
| 47.5°  | 421.7 | 423.3 | 424.9 | 426.5 | 428.2 | 429.6 | 431.0 | 432.3 | 433.8 | 435.1 | 436.8 |
| 50°    | 401.1 | 402.7 | 404.5 | 406.3 | 408.0 | 409.8 | 411.5 | 413.3 | 415.0 | 416.8 | 418.6 |
| 52.5°  | 379.3 | 381.4 | 383.5 | 385.7 | 387.8 | 389.9 | 392.1 | 394.2 | 396.3 | 398.4 | 400.3 |
| 55°    | 347.3 | 349.9 | 352.4 | 355.0 | 357.5 | 360.1 | 362.6 | 365.1 | 367.7 | 370.2 | 372.0 |
| 57.5°  | 314.7 | 317.7 | 320.7 | 323.9 | 326.9 | 329.9 | 332.8 | 335.7 | 338.7 | 341.6 | 343.6 |
| 60°    | 292.9 | 296.1 | 299.3 | 302.5 | 305.7 | 308.8 | 312.0 | 315.2 | 318.4 | 321.5 | 324.0 |
| 62.5°  | 271.7 | 274.8 | 278.1 | 281.3 | 284.5 | 287.8 | 291.2 | 294.6 | 298.0 | 301.5 | 304.2 |
| 65°    | 239.2 | 242.9 | 246.5 | 250.2 | 253.8 | 257.6 | 261.4 | 265.2 | 269.0 | 272.9 | 275.2 |
| 67.5°  | 208.6 | 212.1 | 215.6 | 219.1 | 222.6 | 226.4 | 230.3 | 234.1 | 238.0 | 242.0 | 244.8 |
| 70°    | 186.2 | 189.8 | 193.5 | 197.2 | 200.9 | 204.7 | 208.9 | 213.0 | 217.2 | 221.3 | 224.3 |
| 72.5°  | 164.4 | 168.2 | 172.0 | 175.8 | 179.6 | 183.7 | 188.2 | 192.7 | 197.3 | 201.8 | 205.1 |
| 75°    | 131.8 | 135.9 | 140.1 | 144.2 | 148.4 | 153.0 | 158.1 | 163.2 | 168.2 | 173.3 | 176.4 |
| 77.5°  | 100.4 | 105.2 | 110.0 | 114.7 | 119.5 | 124.3 | 129.2 | 134.1 | 139.0 | 143.9 | 147.4 |
| 80°    | 81.0  | 85.7  | 90.5  | 95.3  | 100.0 | 105.1 | 110.6 | 115.9 | 121.3 | 126.8 | 130.3 |
| 82.5°  | 63.2  | 68.1  | 73.2  | 78.2  | 83.3  | 88.6  | 94.1  | 99.6  | 105.2 | 110.7 | 114.0 |
| 85°    | 39.4  | 44.7  | 49.9  | 55.1  | 60.4  | 65.8  | 71.4  | 76.9  | 82.5  | 88.1  | 91.6  |
| 87.5°  | 22.5  | 27.8  | 33.2  | 38.5  | 43.9  | 49.4  | 55.0  | 60.7  | 66.4  | 72.0  | 75.8  |
| 90°    | 12.2  | 18.6  | 25.0  | 31.4  | 37.8  | 44.3  | 50.8  | 57.4  | 64.0  | 70.5  | 75.0  |
| 92.5°  | 28.2  | 33.7  | 39.4  | 45.1  | 50.6  | 56.9  | 63.9  | 70.9  | 77.8  | 84.7  | 89.4  |
| 95°    | 57.2  | 61.6  | 66.2  | 70.6  | 75.1  | 80.9  | 87.8  | 94.9  | 102.0 | 109.1 | 113.7 |
| 97.5°  | 88.0  | 91.9  | 95.8  | 99.6  | 103.5 | 109.1 | 116.6 | 124.1 | 131.6 | 139.0 | 143.5 |
| 100°   | 111.0 | 114.4 | 117.7 | 121.1 | 124.4 | 129.7 | 137.0 | 144.1 | 151.4 | 158.6 | 163.4 |
| 102.5° | 135.8 | 139.6 | 143.4 | 147.0 | 150.8 | 155.7 | 161.7 | 167.8 | 173.8 | 179.9 | 184.7 |
| 105°   | 174.5 | 177.9 | 181.3 | 184.5 | 187.9 | 192.5 | 198.3 | 204.1 | 209.8 | 215.6 | 219.7 |
| 107.5° | 217.3 | 220.3 | 223.2 | 226.2 | 229.2 | 233.4 | 238.7 | 244.0 | 249.4 | 254.7 | 258.4 |
| 110°   | 246.8 | 249.5 | 252.2 | 255.0 | 257.7 | 261.6 | 266.5 | 271.4 | 276.4 | 281.3 | 284.8 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 277.4 | 279.4 | 281.3 | 283.2 | 285.2 | 288.7 | 293.6 | 298.6 | 303.5 | 308.5 | 311.6 |
| 115°   | 322.0 | 323.8 | 325.5 | 327.3 | 329.0 | 332.2 | 336.6 | 341.1 | 345.5 | 350.0 | 352.7 |
| 117.5° | 366.6 | 367.7 | 368.7 | 369.8 | 370.7 | 373.3 | 377.6 | 381.8 | 386.0 | 390.2 | 393.0 |
| 120°   | 394.9 | 396.2 | 397.6 | 398.8 | 400.1 | 402.7 | 406.5 | 410.3 | 414.2 | 418.0 | 420.7 |
| 122.5° | 425.0 | 425.6 | 426.0 | 426.6 | 427.1 | 429.3 | 433.3 | 437.2 | 441.2 | 445.2 | 447.6 |
| 125°   | 466.5 | 467.3 | 468.1 | 468.9 | 469.8 | 471.8 | 475.1 | 478.5 | 481.8 | 485.2 | 487.5 |
| 127.5° | 509.9 | 510.4 | 510.8 | 511.1 | 511.5 | 513.1 | 515.9 | 518.8 | 521.6 | 524.3 | 526.6 |
| 130°   | 536.5 | 537.2 | 537.8 | 538.5 | 539.1 | 540.7 | 543.3 | 545.8 | 548.4 | 550.9 | 553.0 |
| 132.5° | 562.4 | 563.7 | 565.1 | 566.4 | 567.7 | 569.2 | 570.8 | 572.5 | 574.1 | 575.8 | 577.9 |
| 135°   | 604.4 | 605.1 | 606.0 | 606.8 | 607.7 | 608.7 | 609.9 | 611.2 | 612.5 | 613.8 | 615.9 |
| 137.5° | 643.7 | 644.5 | 645.4 | 646.1 | 647.0 | 647.8 | 648.8 | 649.6 | 650.5 | 651.5 | 653.6 |
| 140°   | 668.5 | 669.3 | 670.1 | 670.9 | 671.8 | 672.5 | 673.2 | 673.7 | 674.4 | 675.0 | 677.1 |
| 142.5° | 693.8 | 694.4 | 694.9 | 695.5 | 696.1 | 696.6 | 697.3 | 698.0 | 698.6 | 699.3 | 701.0 |
| 145°   | 731.1 | 731.6 | 732.1 | 732.6 | 733.1 | 733.6 | 734.1 | 734.5 | 735.1 | 735.6 | 736.3 |
| 147.5° | 764.9 | 765.3 | 765.6 | 766.0 | 766.3 | 766.7 | 767.1 | 767.5 | 767.9 | 768.3 | 768.9 |
| 150°   | 787.9 | 787.7 | 787.6 | 787.4 | 787.2 | 787.5 | 788.2 | 788.8 | 789.5 | 790.1 | 790.1 |
| 152.5° | 806.7 | 807.0 | 807.2 | 807.5 | 807.7 | 807.9 | 808.1 | 808.4 | 808.7 | 809.0 | 809.4 |
| 155°   | 835.8 | 835.8 | 835.8 | 835.8 | 835.8 | 835.8 | 836.0 | 836.2 | 836.3 | 836.5 | 837.2 |
| 157.5° | 861.8 | 861.4 | 861.0 | 860.6 | 860.3 | 860.2 | 860.4 | 860.5 | 860.6 | 860.8 | 861.5 |
| 160°   | 877.0 | 876.6 | 876.1 | 875.6 | 875.1 | 875.0 | 875.1 | 875.2 | 875.4 | 875.6 | 876.3 |
| 162.5° | 890.6 | 890.2 | 889.9 | 889.6 | 889.2 | 889.0 | 889.0 | 889.1 | 889.1 | 889.2 | 889.9 |
| 165°   | 908.8 | 908.4 | 908.1 | 907.8 | 907.5 | 907.4 | 907.5 | 907.7 | 907.9 | 908.0 | 908.7 |
| 167.5° | 924.1 | 923.4 | 922.7 | 922.1 | 921.4 | 921.1 | 921.1 | 921.1 | 921.1 | 921.1 | 922.1 |
| 170°   | 932.4 | 931.7 | 931.0 | 930.4 | 929.7 | 929.3 | 929.3 | 929.3 | 929.3 | 929.3 | 930.4 |
| 172.5° | 938.2 | 937.5 | 936.9 | 936.2 | 935.6 | 935.3 | 935.3 | 935.3 | 935.3 | 935.3 | 936.2 |
| 175°   | 944.9 | 944.2 | 943.6 | 942.9 | 942.3 | 941.9 | 941.9 | 941.9 | 941.9 | 941.9 | 942.9 |
| 177.5° | 948.3 | 947.7 | 947.3 | 946.7 | 946.1 | 945.8 | 945.7 | 945.6 | 945.5 | 945.3 | 946.1 |
| 180°   | 947.1 | 947.1 | 947.1 | 947.1 | 947.1 | 947.1 | 947.1 | 947.1 | 947.1 | 947.1 | 947.1 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 |
| 2.5°   | 728.8 | 729.7 | 730.6 | 730.9 | 730.8 | 730.8 | 730.6 | 730.5 |
| 5°     | 726.5 | 727.8 | 729.1 | 729.6 | 729.5 | 729.3 | 729.2 | 729.1 |
| 7.5°   | 720.5 | 721.6 | 722.7 | 723.2 | 723.0 | 722.9 | 722.7 | 722.6 |
| 10°    | 714.8 | 715.9 | 717.0 | 717.5 | 717.4 | 717.2 | 717.0 | 716.8 |
| 12.5°  | 707.9 | 708.8 | 709.7 | 709.9 | 709.5 | 709.1 | 708.7 | 708.2 |
| 15°    | 695.1 | 696.1 | 697.0 | 697.2 | 696.5 | 695.9 | 695.3 | 694.7 |
| 17.5°  | 678.8 | 679.5 | 680.2 | 680.4 | 680.0 | 679.7 | 679.3 | 678.9 |
| 20°    | 666.3 | 666.8 | 667.2 | 667.4 | 667.4 | 667.4 | 667.4 | 667.4 |
| 22.5°  | 653.3 | 653.9 | 654.5 | 654.6 | 654.2 | 653.8 | 653.5 | 653.1 |
| 25°    | 632.9 | 633.6 | 634.1 | 634.1 | 633.3 | 632.5 | 631.7 | 630.9 |
| 27.5°  | 609.2 | 609.6 | 610.1 | 610.1 | 609.8 | 609.5 | 609.3 | 609.0 |
| 30°    | 592.9 | 593.2 | 593.5 | 593.6 | 593.4 | 593.2 | 593.1 | 593.0 |
| 32.5°  | 577.4 | 577.7 | 578.1 | 578.2 | 578.0 | 577.8 | 577.7 | 577.5 |
| 35°    | 552.3 | 552.9 | 553.4 | 553.6 | 553.6 | 553.6 | 553.6 | 553.6 |
| 37.5°  | 526.0 | 526.7 | 527.4 | 527.6 | 527.5 | 527.4 | 527.4 | 527.4 |
| 40°    | 508.3 | 509.0 | 509.5 | 510.0 | 510.4 | 510.7 | 511.0 | 511.3 |
| 42.5°  | 491.9 | 492.7 | 493.4 | 493.9 | 494.0 | 494.0 | 494.1 | 494.2 |
| 45°    | 465.5 | 466.7 | 467.8 | 468.4 | 468.6 | 468.7 | 468.9 | 469.1 |
| 47.5°  | 438.4 | 440.0 | 441.6 | 442.6 | 443.0 | 443.3 | 443.7 | 444.0 |
| 50°    | 420.3 | 422.1 | 423.8 | 424.9 | 425.4 | 425.8 | 426.3 | 426.8 |
| 52.5°  | 402.2 | 404.1 | 406.0 | 407.1 | 407.5 | 407.7 | 408.1 | 408.5 |
| 55°    | 373.7 | 375.5 | 377.2 | 378.4 | 379.1 | 379.8 | 380.3 | 381.0 |
| 57.5°  | 345.6 | 347.6 | 349.6 | 350.8 | 351.4 | 351.9 | 352.3 | 352.8 |
| 60°    | 326.3 | 328.7 | 331.1 | 332.5 | 333.0 | 333.5 | 333.9 | 334.4 |
| 62.5°  | 306.8 | 309.4 | 312.1 | 313.7 | 314.2 | 314.9 | 315.5 | 316.1 |
| 65°    | 277.6 | 280.0 | 282.4 | 283.9 | 284.6 | 285.2 | 285.8 | 286.4 |
| 67.5°  | 247.7 | 250.6 | 253.4 | 255.3 | 256.2 | 257.0 | 257.9 | 258.6 |
| 70°    | 227.3 | 230.4 | 233.4 | 235.4 | 236.3 | 237.2 | 238.3 | 239.2 |
| 72.5°  | 208.4 | 211.6 | 214.9 | 216.9 | 217.6 | 218.3 | 219.0 | 219.7 |
| 75°    | 179.6 | 182.9 | 186.1 | 188.0 | 188.8 | 189.6 | 190.4 | 191.2 |
| 77.5°  | 150.9 | 154.5 | 158.0 | 160.0 | 160.6 | 161.3 | 161.9 | 162.6 |
| 80°    | 133.7 | 137.2 | 140.7 | 142.8 | 143.5 | 144.1 | 144.8 | 145.3 |
| 82.5°  | 117.4 | 120.8 | 124.2 | 126.5 | 127.6 | 128.8 | 129.9 | 131.0 |
| 85°    | 95.1  | 98.6  | 102.1 | 104.4 | 105.8 | 107.0 | 108.3 | 109.5 |
| 87.5°  | 79.6  | 83.4  | 87.3  | 89.8  | 91.0  | 92.2  | 93.4  | 94.6  |
| 90°    | 79.5  | 84.0  | 88.4  | 91.5  | 93.1  | 94.7  | 96.3  | 97.9  |
| 92.5°  | 94.0  | 98.6  | 103.2 | 106.2 | 107.7 | 109.1 | 110.7 | 112.2 |
| 95°    | 118.3 | 123.0 | 127.6 | 130.6 | 132.1 | 133.6 | 135.0 | 136.4 |
| 97.5°  | 147.9 | 152.3 | 156.7 | 159.6 | 160.9 | 162.1 | 163.4 | 164.8 |
| 100°   | 168.2 | 173.1 | 177.9 | 180.9 | 182.2 | 183.5 | 184.7 | 186.1 |
| 102.5° | 189.5 | 194.4 | 199.2 | 202.3 | 203.7 | 205.1 | 206.5 | 207.9 |
| 105°   | 223.9 | 228.0 | 232.2 | 235.1 | 236.7 | 238.3 | 239.9 | 241.5 |
| 107.5° | 262.0 | 265.6 | 269.3 | 271.5 | 272.5 | 273.4 | 274.5 | 275.4 |
| 110°   | 288.3 | 291.8 | 295.4 | 297.6 | 298.5 | 299.4 | 300.5 | 301.4 |





TEST NUMBER: P333182-830

CATALOG NUMBER: S125DIP-S610D810U830-4F0-1E-UDD-D1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 314.7 | 317.8 | 321.0 | 323.0 | 323.8 | 324.6 | 325.5 | 326.2 |
| 115°   | 355.4 | 358.1 | 360.8 | 362.6 | 363.4 | 364.1 | 365.0 | 365.7 |
| 117.5° | 395.9 | 398.7 | 401.5 | 403.2 | 403.6 | 404.1 | 404.4 | 404.9 |
| 120°   | 423.4 | 426.1 | 428.8 | 430.3 | 430.6 | 430.9 | 431.2 | 431.5 |
| 122.5° | 450.1 | 452.5 | 455.0 | 456.4 | 456.9 | 457.2 | 457.7 | 458.1 |
| 125°   | 489.7 | 491.9 | 494.1 | 495.5 | 496.2 | 496.8 | 497.4 | 498.0 |
| 127.5° | 528.8 | 530.9 | 533.1 | 534.5 | 535.2 | 535.7 | 536.3 | 536.9 |
| 130°   | 555.1 | 557.1 | 559.2 | 560.5 | 560.9 | 561.4 | 561.8 | 562.3 |
| 132.5° | 579.9 | 582.0 | 584.1 | 585.2 | 585.4 | 585.6 | 585.8 | 586.0 |
| 135°   | 617.9 | 620.0 | 622.1 | 623.1 | 623.3 | 623.4 | 623.6 | 623.7 |
| 137.5° | 655.6 | 657.7 | 659.8 | 660.7 | 660.5 | 660.3 | 660.2 | 660.0 |
| 140°   | 679.2 | 681.3 | 683.3 | 684.4 | 684.2 | 684.0 | 683.8 | 683.6 |
| 142.5° | 702.7 | 704.4 | 706.1 | 706.8 | 706.6 | 706.4 | 706.2 | 706.1 |
| 145°   | 737.2 | 737.9 | 738.8 | 739.2 | 739.3 | 739.5 | 739.6 | 739.8 |
| 147.5° | 769.6 | 770.2 | 770.9 | 770.8 | 770.0 | 769.1 | 768.3 | 767.5 |
| 150°   | 790.1 | 790.1 | 790.1 | 790.0 | 789.9 | 789.7 | 789.5 | 789.4 |
| 152.5° | 809.7 | 810.1 | 810.5 | 810.5 | 809.9 | 809.4 | 808.8 | 808.2 |
| 155°   | 837.8 | 838.5 | 839.1 | 839.1 | 838.2 | 837.4 | 836.6 | 835.8 |
| 157.5° | 862.1 | 862.8 | 863.5 | 863.3 | 862.1 | 861.1 | 860.0 | 858.9 |
| 160°   | 876.9 | 877.5 | 878.2 | 878.2 | 877.3 | 876.5 | 875.6 | 874.9 |
| 162.5° | 890.7 | 891.6 | 892.3 | 892.2 | 891.3 | 890.3 | 889.4 | 888.4 |
| 165°   | 909.4 | 910.0 | 910.6 | 910.5 | 909.5 | 908.5 | 907.5 | 906.5 |
| 167.5° | 923.1 | 924.1 | 925.1 | 925.0 | 924.1 | 923.0 | 922.0 | 921.0 |
| 170°   | 931.3 | 932.4 | 933.3 | 933.2 | 932.1 | 930.9 | 929.8 | 928.7 |
| 172.5° | 937.3 | 938.2 | 939.2 | 939.2 | 938.2 | 937.2 | 936.1 | 935.1 |
| 175°   | 943.9 | 944.9 | 945.8 | 945.7 | 944.6 | 943.5 | 942.4 | 941.2 |
| 177.5° | 946.9 | 947.6 | 948.5 | 948.4 | 947.4 | 946.6 | 945.7 | 944.7 |
| 180°   | 947.1 | 947.1 | 947.1 | 947.1 | 947.1 | 947.1 | 947.1 | 947.1 |

(END OF REPORT)