

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: P333191-830

Luminaire Tested: **S125DIP-S610D1035U830-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333191-830  
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-S610D1035U830-4F0-1E-UDD-D1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5639.2 lumens  
Efficiency: N/A  
Efficacy: 126.7 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: Semi-Indirect

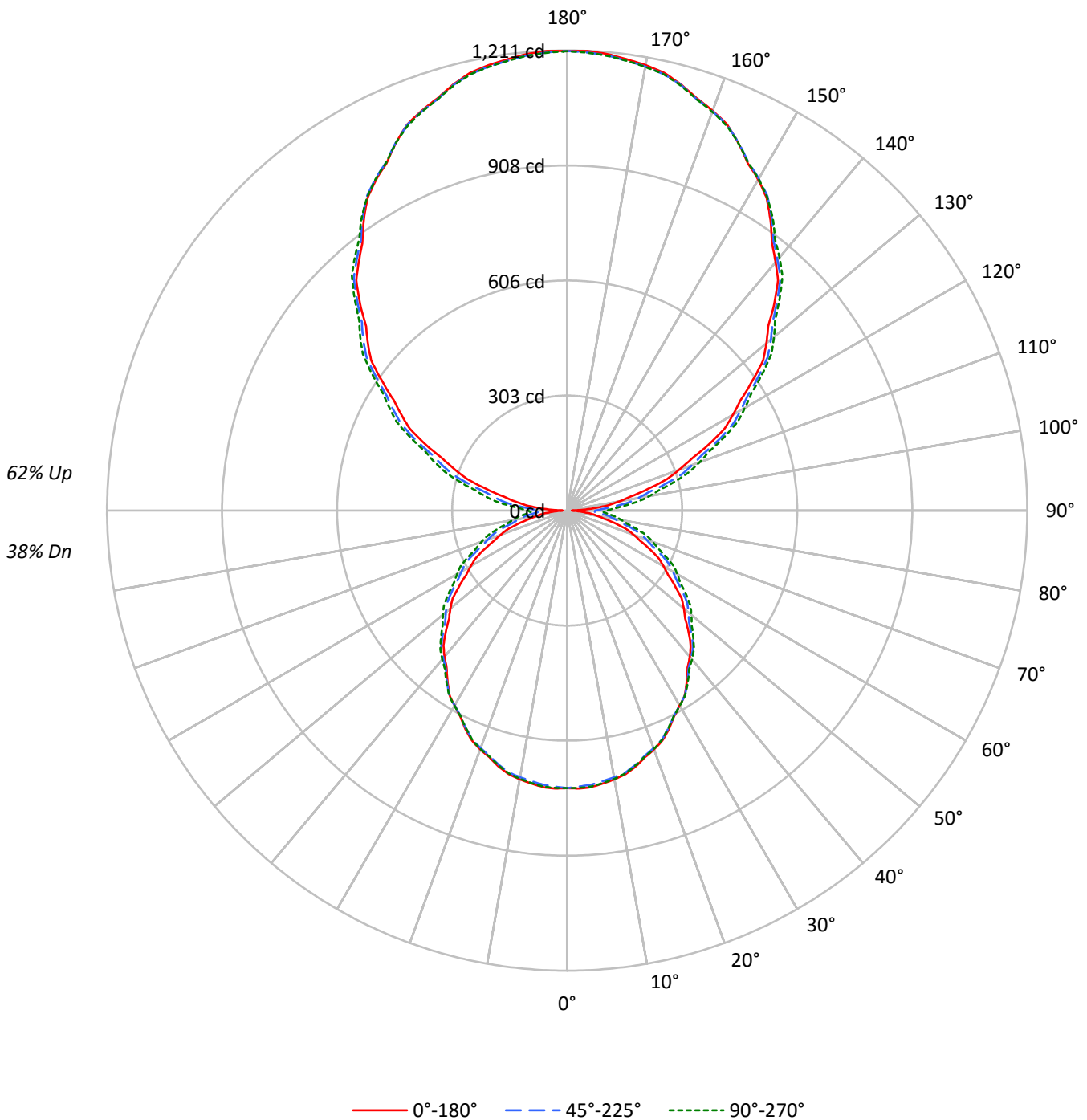
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333191-830

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### Luminous Intensity Polar Plot





TEST NUMBER: P333191-830

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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   | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 60 | 60 | 60 | 45 | 45 | 45 | 38 |
| 1   | 94  | 90  | 86  | 82  | 85 | 82 | 78 | 75 | 66 | 64 | 62 | 52 | 50 | 49 | 39 | 38 | 37 | 31 |
| 2   | 86  | 78  | 72  | 67  | 77 | 71 | 66 | 61 | 58 | 54 | 50 | 45 | 43 | 40 | 34 | 32 | 30 | 25 |
| 3   | 78  | 69  | 61  | 55  | 70 | 62 | 56 | 51 | 51 | 46 | 42 | 40 | 36 | 34 | 30 | 28 | 26 | 21 |
| 4   | 71  | 60  | 53  | 46  | 64 | 55 | 48 | 43 | 45 | 40 | 36 | 35 | 32 | 29 | 26 | 24 | 22 | 18 |
| 5   | 65  | 54  | 46  | 40  | 59 | 49 | 42 | 37 | 40 | 35 | 31 | 32 | 28 | 25 | 24 | 21 | 19 | 15 |
| 6   | 60  | 48  | 40  | 34  | 54 | 44 | 37 | 32 | 36 | 31 | 27 | 28 | 25 | 22 | 21 | 19 | 17 | 14 |
| 7   | 55  | 43  | 35  | 30  | 50 | 40 | 33 | 28 | 32 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 12 |
| 8   | 51  | 39  | 31  | 26  | 46 | 36 | 29 | 24 | 29 | 24 | 21 | 24 | 20 | 17 | 18 | 15 | 13 | 11 |
| 9   | 48  | 36  | 28  | 23  | 43 | 33 | 26 | 22 | 27 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 12 | 10 |
| 10  | 45  | 33  | 25  | 21  | 40 | 30 | 24 | 19 | 25 | 20 | 16 | 20 | 16 | 14 | 15 | 13 | 11 | 9  |

**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   | 1.2       |
| 10°-20°   | 196.1  | 3.5       |
| 20°-30°   | 291.6  | 5.2       |
| 30°-40°   | 345.4  | 6.1       |
| 40°-50°   | 357.1  | 6.3       |
| 50°-60°   | 329.0  | 5.8       |
| 60°-70°   | 265.9  | 4.7       |
| 70°-80°   | 178.1  | 3.2       |
| 80°-90°   | 95.0   | 1.7       |
| 90°-100°  | 132.8  | 2.4       |
| 100°-110° | 277.4  | 4.9       |
| 110°-120° | 430.7  | 7.6       |
| 120°-130° | 547.6  | 9.7       |
| 130°-140° | 603.7  | 10.7      |
| 140°-150° | 586.7  | 10.4      |
| 150°-160° | 491.7  | 8.7       |
| 160°-170° | 326.9  | 5.8       |
| 170°-180° | 114.4  | 2.0       |
| 0°-30°    | 556.7  | 9.9       |
| 0°-40°    | 902.2  | 16.0      |
| 0°-60°    | 1588.2 | 28.2      |
| 0°-90°    | 2127.3 | 37.7      |
| 90°-120°  | 840.9  | 14.9      |
| 90°-150°  | 2578.9 | 45.7      |
| 90°-180°  | 3512.0 | 62.3      |
| 0°-180°   | 5639.2 | 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   | 43    | 74   | 94    | 103  | 11   |
| 95°  | 70   | 92    | 125  | 146   | 154  | 73   |
| 105° | 221  | 238   | 264  | 284   | 292  | 236  |
| 115° | 410  | 419   | 439  | 451   | 454  | 405  |
| 125° | 595  | 600   | 615  | 624   | 627  | 532  |
| 135° | 771  | 776   | 782  | 791   | 791  | 594  |
| 145° | 933  | 936   | 939  | 942   | 943  | 583  |
| 155° | 1067 | 1067  | 1068 | 1071  | 1067 | 491  |
| 165° | 1160 | 1159  | 1159 | 1162  | 1157 | 327  |
| 175° | 1206 | 1203  | 1203 | 1208  | 1202 | 115  |
| 180° | 1209 | 1209  | 1209 | 1209  | 1209 |      |



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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  | 28.0  | 33.4  | 38.8  | 44.2  | 49.8  | 55.5  | 61.2  | 66.9  | 72.6  | 76.5  |
| 90°    | 12.4  | 19.1  | 25.9  | 32.7  | 39.5  | 46.3  | 53.2  | 60.0  | 66.9  | 73.8  | 78.5  |
| 92.5°  | 33.1  | 38.9  | 44.9  | 50.7  | 56.6  | 63.2  | 70.6  | 77.9  | 85.2  | 92.6  | 97.5  |
| 95°    | 70.5  | 75.0  | 79.6  | 84.2  | 88.7  | 94.7  | 102.3 | 109.7 | 117.3 | 124.7 | 129.7 |
| 97.5°  | 110.1 | 114.0 | 117.8 | 121.8 | 125.6 | 131.7 | 139.8 | 147.9 | 156.0 | 164.1 | 168.8 |
| 100°   | 139.6 | 143.0 | 146.3 | 149.7 | 153.0 | 158.5 | 166.4 | 174.2 | 182.0 | 189.8 | 195.0 |
| 102.5° | 171.4 | 175.3 | 179.3 | 183.2 | 187.1 | 192.3 | 198.6 | 204.9 | 211.3 | 217.6 | 222.9 |
| 105°   | 221.0 | 224.6 | 228.2 | 231.8 | 235.4 | 240.2 | 246.2 | 252.2 | 258.3 | 264.3 | 268.7 |
| 107.5° | 275.9 | 279.1 | 282.3 | 285.5 | 288.7 | 293.0 | 298.6 | 304.2 | 309.7 | 315.3 | 319.1 |
| 110°   | 313.7 | 316.6 | 319.5 | 322.5 | 325.5 | 329.5 | 334.6 | 339.7 | 344.8 | 349.9 | 353.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 352.8  | 354.9  | 356.9  | 359.0  | 361.1  | 364.7  | 369.9  | 374.9  | 380.0  | 385.2  | 388.3  |
| 115°   | 409.8  | 411.8  | 413.8  | 415.8  | 417.6  | 420.9  | 425.5  | 430.0  | 434.6  | 439.1  | 441.8  |
| 117.5° | 467.1  | 468.3  | 469.3  | 470.4  | 471.6  | 474.3  | 478.5  | 482.9  | 487.1  | 491.4  | 494.3  |
| 120°   | 503.2  | 504.7  | 506.3  | 507.8  | 509.3  | 512.0  | 515.9  | 519.8  | 523.7  | 527.5  | 530.2  |
| 122.5° | 541.8  | 542.4  | 543.0  | 543.7  | 544.2  | 546.6  | 550.6  | 554.7  | 558.7  | 562.9  | 565.2  |
| 125°   | 594.7  | 595.9  | 596.9  | 598.0  | 599.2  | 601.3  | 604.7  | 608.1  | 611.5  | 614.9  | 617.1  |
| 127.5° | 650.4  | 651.0  | 651.6  | 652.1  | 652.7  | 654.4  | 657.2  | 660.2  | 663.0  | 665.8  | 668.0  |
| 130°   | 684.4  | 685.2  | 686.2  | 687.0  | 687.9  | 689.7  | 692.3  | 694.9  | 697.6  | 700.2  | 702.3  |
| 132.5° | 717.7  | 719.3  | 721.0  | 722.7  | 724.4  | 726.0  | 727.7  | 729.3  | 730.9  | 732.6  | 734.6  |
| 135°   | 771.2  | 772.2  | 773.4  | 774.5  | 775.5  | 776.7  | 778.1  | 779.4  | 780.7  | 782.0  | 784.1  |
| 137.5° | 821.4  | 822.6  | 823.6  | 824.7  | 825.8  | 826.8  | 827.8  | 828.9  | 829.8  | 830.9  | 833.0  |
| 140°   | 853.3  | 854.3  | 855.4  | 856.4  | 857.4  | 858.4  | 859.1  | 859.9  | 860.7  | 861.5  | 863.7  |
| 142.5° | 885.6  | 886.4  | 887.1  | 887.9  | 888.6  | 889.4  | 890.2  | 891.1  | 891.9  | 892.7  | 894.5  |
| 145°   | 933.2  | 933.9  | 934.6  | 935.3  | 935.9  | 936.6  | 937.3  | 937.8  | 938.5  | 939.1  | 939.9  |
| 147.5° | 976.6  | 977.0  | 977.5  | 978.0  | 978.4  | 978.9  | 979.4  | 979.9  | 980.3  | 980.9  | 981.7  |
| 150°   | 1005.9 | 1005.7 | 1005.5 | 1005.3 | 1005.1 | 1005.4 | 1006.3 | 1007.1 | 1007.9 | 1008.7 | 1008.7 |
| 152.5° | 1030.0 | 1030.3 | 1030.6 | 1030.9 | 1031.1 | 1031.5 | 1031.8 | 1032.2 | 1032.5 | 1032.8 | 1033.3 |
| 155°   | 1067.1 | 1067.1 | 1067.1 | 1067.1 | 1067.1 | 1067.1 | 1067.4 | 1067.6 | 1067.8 | 1068.0 | 1068.8 |
| 157.5° | 1100.2 | 1099.8 | 1099.3 | 1098.8 | 1098.3 | 1098.3 | 1098.4 | 1098.6 | 1098.9 | 1099.1 | 1099.9 |
| 160°   | 1119.7 | 1119.2 | 1118.5 | 1117.9 | 1117.3 | 1117.1 | 1117.3 | 1117.5 | 1117.7 | 1117.9 | 1118.7 |
| 162.5° | 1137.1 | 1136.6 | 1136.1 | 1135.7 | 1135.3 | 1135.0 | 1135.1 | 1135.1 | 1135.2 | 1135.2 | 1136.2 |
| 165°   | 1160.3 | 1159.8 | 1159.4 | 1159.0 | 1158.6 | 1158.5 | 1158.7 | 1158.9 | 1159.0 | 1159.3 | 1160.2 |
| 167.5° | 1179.8 | 1178.9 | 1178.2 | 1177.3 | 1176.5 | 1176.0 | 1176.0 | 1176.0 | 1176.0 | 1176.0 | 1177.3 |
| 170°   | 1190.3 | 1189.5 | 1188.6 | 1187.9 | 1187.0 | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1187.9 |
| 172.5° | 1197.9 | 1197.0 | 1196.2 | 1195.3 | 1194.6 | 1194.1 | 1194.1 | 1194.1 | 1194.1 | 1194.1 | 1195.3 |
| 175°   | 1206.4 | 1205.5 | 1204.7 | 1203.8 | 1203.0 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1202.6 | 1203.8 |
| 177.5° | 1210.7 | 1210.0 | 1209.4 | 1208.6 | 1208.0 | 1207.6 | 1207.4 | 1207.2 | 1207.1 | 1206.9 | 1208.0 |
| 180°   | 1209.2 | 1209.2 | 1209.2 | 1209.2 | 1209.2 | 1209.2 | 1209.2 | 1209.2 | 1209.2 | 1209.2 | 1209.2 |



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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°  | 80.4  | 84.3  | 88.1  | 90.7  | 91.9  | 93.1  | 94.3  | 95.6  |
| 90°    | 83.2  | 87.9  | 92.6  | 95.9  | 97.6  | 99.3  | 101.0 | 102.8 |
| 92.5°  | 102.4 | 107.3 | 112.3 | 115.5 | 117.1 | 118.6 | 120.2 | 121.8 |
| 95°    | 134.7 | 139.6 | 144.6 | 147.9 | 149.4 | 150.9 | 152.4 | 154.0 |
| 97.5°  | 173.5 | 178.2 | 182.9 | 186.0 | 187.3 | 188.6 | 190.0 | 191.3 |
| 100°   | 200.3 | 205.5 | 210.7 | 214.0 | 215.4 | 216.8 | 218.1 | 219.5 |
| 102.5° | 228.2 | 233.4 | 238.7 | 242.0 | 243.6 | 245.2 | 246.7 | 248.3 |
| 105°   | 273.1 | 277.6 | 282.0 | 285.1 | 286.9 | 288.6 | 290.3 | 292.1 |
| 107.5° | 322.8 | 326.6 | 330.4 | 332.7 | 333.7 | 334.6 | 335.5 | 336.5 |
| 110°   | 357.1 | 360.8 | 364.5 | 366.7 | 367.6 | 368.5 | 369.4 | 370.3 |





TEST NUMBER: P333191-830

CATALOG NUMBER: S125DIP-S610D1035U830-4F0-1E-UDD-D1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 391.5  | 394.7  | 397.9  | 399.9  | 400.7  | 401.3  | 402.1  | 402.8  |
| 115°   | 444.4  | 447.1  | 449.8  | 451.5  | 452.2  | 453.0  | 453.7  | 454.4  |
| 117.5° | 497.2  | 500.0  | 502.9  | 504.4  | 504.7  | 504.9  | 505.2  | 505.5  |
| 120°   | 532.9  | 535.6  | 538.3  | 539.7  | 539.9  | 540.0  | 540.1  | 540.2  |
| 122.5° | 567.7  | 570.0  | 572.5  | 573.8  | 574.1  | 574.4  | 574.7  | 575.0  |
| 125°   | 619.2  | 621.3  | 623.5  | 624.8  | 625.4  | 625.9  | 626.6  | 627.2  |
| 127.5° | 670.1  | 672.3  | 674.4  | 675.8  | 676.3  | 676.7  | 677.3  | 677.8  |
| 130°   | 704.3  | 706.3  | 708.3  | 709.5  | 709.9  | 710.3  | 710.7  | 711.1  |
| 132.5° | 736.6  | 738.7  | 740.6  | 741.7  | 741.8  | 741.9  | 742.0  | 742.1  |
| 135°   | 786.2  | 788.2  | 790.3  | 791.4  | 791.3  | 791.3  | 791.2  | 791.2  |
| 137.5° | 835.1  | 837.3  | 839.3  | 840.2  | 839.8  | 839.4  | 839.0  | 838.6  |
| 140°   | 865.8  | 868.0  | 870.2  | 871.1  | 870.6  | 870.2  | 869.8  | 869.4  |
| 142.5° | 896.2  | 898.0  | 899.8  | 900.4  | 899.9  | 899.6  | 899.2  | 898.7  |
| 145°   | 940.7  | 941.5  | 942.3  | 942.7  | 942.7  | 942.7  | 942.7  | 942.7  |
| 147.5° | 982.4  | 983.2  | 983.9  | 983.7  | 982.6  | 981.5  | 980.3  | 979.2  |
| 150°   | 1008.7 | 1008.7 | 1008.7 | 1008.6 | 1008.3 | 1008.0 | 1007.9 | 1007.6 |
| 152.5° | 1033.9 | 1034.3 | 1034.8 | 1034.7 | 1034.0 | 1033.3 | 1032.6 | 1031.8 |
| 155°   | 1069.7 | 1070.5 | 1071.4 | 1071.3 | 1070.3 | 1069.1 | 1068.1 | 1067.1 |
| 157.5° | 1100.7 | 1101.5 | 1102.4 | 1102.1 | 1100.8 | 1099.4 | 1098.0 | 1096.6 |
| 160°   | 1119.6 | 1120.4 | 1121.2 | 1121.2 | 1120.1 | 1119.1 | 1118.0 | 1116.9 |
| 162.5° | 1137.2 | 1138.2 | 1139.3 | 1139.2 | 1137.9 | 1136.7 | 1135.5 | 1134.3 |
| 165°   | 1160.9 | 1161.8 | 1162.6 | 1162.4 | 1161.2 | 1159.9 | 1158.7 | 1157.4 |
| 167.5° | 1178.6 | 1179.8 | 1181.1 | 1181.0 | 1179.8 | 1178.5 | 1177.1 | 1175.8 |
| 170°   | 1189.1 | 1190.3 | 1191.6 | 1191.5 | 1190.1 | 1188.5 | 1187.1 | 1185.6 |
| 172.5° | 1196.7 | 1197.9 | 1199.1 | 1199.1 | 1197.8 | 1196.6 | 1195.2 | 1193.9 |
| 175°   | 1205.1 | 1206.4 | 1207.6 | 1207.5 | 1206.1 | 1204.6 | 1203.1 | 1201.6 |
| 177.5° | 1208.9 | 1209.9 | 1210.9 | 1210.9 | 1209.7 | 1208.5 | 1207.3 | 1206.2 |
| 180°   | 1209.2 | 1209.2 | 1209.2 | 1209.2 | 1209.2 | 1209.2 | 1209.2 | 1209.2 |

(END OF REPORT)