

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

Luminaire Tested: **S125DIP-S610D1035U835-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333191  
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-S610D1035U835-4F0-1E-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: 5983.0 lumens  
Efficiency: N/A  
Efficacy: 134.4 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

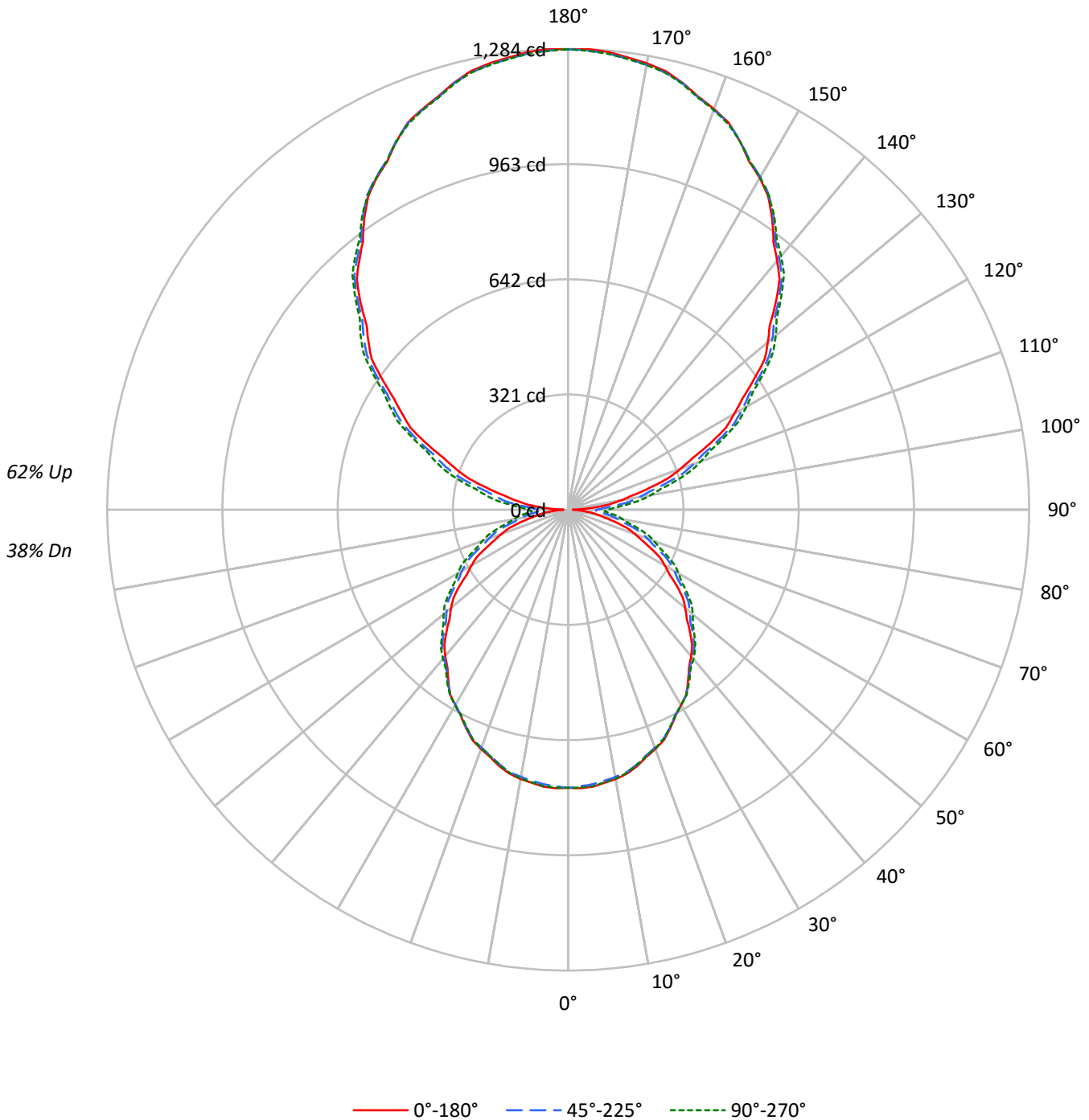
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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°  | 5005 | 5005 | 5005 |
| 5°  | 5015 | 4912 | 4928 |
| 10° | 4980 | 4825 | 4817 |
| 15° | 4920 | 4720 | 4677 |
| 20° | 4840 | 4590 | 4536 |
| 25° | 4745 | 4451 | 4363 |
| 30° | 4630 | 4298 | 4206 |
| 35° | 4523 | 4158 | 4062 |
| 40° | 4413 | 4010 | 3916 |
| 45° | 4289 | 3884 | 3788 |
| 50° | 4172 | 3746 | 3674 |
| 55° | 4029 | 3616 | 3540 |
| 60° | 3875 | 3468 | 3404 |
| 65° | 3713 | 3314 | 3250 |
| 70° | 3527 | 3103 | 3093 |
| 75° | 3237 | 2899 | 2899 |
| 80° | 2857 | 2653 | 2687 |
| 85° | 2502 | 2488 | 2620 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 73.3   | 1.2       |
| 10°-20°   | 208.0  | 3.5       |
| 20°-30°   | 309.4  | 5.2       |
| 30°-40°   | 366.5  | 6.1       |
| 40°-50°   | 378.9  | 6.3       |
| 50°-60°   | 349.0  | 5.8       |
| 60°-70°   | 282.1  | 4.7       |
| 70°-80°   | 189.0  | 3.2       |
| 80°-90°   | 100.8  | 1.7       |
| 90°-100°  | 140.9  | 2.4       |
| 100°-110° | 294.3  | 4.9       |
| 110°-120° | 456.9  | 7.6       |
| 120°-130° | 581.0  | 9.7       |
| 130°-140° | 640.5  | 10.7      |
| 140°-150° | 622.5  | 10.4      |
| 150°-160° | 521.7  | 8.7       |
| 160°-170° | 346.8  | 5.8       |
| 170°-180° | 121.4  | 2.0       |
| 0°-30°    | 590.7  | 9.9       |
| 0°-40°    | 957.1  | 16.0      |
| 0°-60°    | 1685.1 | 28.2      |
| 0°-90°    | 2256.9 | 37.7      |
| 90°-120°  | 892.1  | 14.9      |
| 90°-150°  | 2736.2 | 45.7      |
| 90°-180°  | 3726.0 | 62.3      |
| 0°-180°   | 5983.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 775  | 775   | 775  | 775   | 775  |      |
| 5°   | 775  | 773   | 768  | 774   | 774  | 73   |
| 15°  | 740  | 740   | 736  | 740   | 737  | 208  |
| 25°  | 672  | 674   | 670  | 673   | 669  | 309  |
| 35°  | 582  | 587   | 585  | 587   | 587  | 364  |
| 45°  | 479  | 488   | 492  | 497   | 498  | 370  |
| 55°  | 368  | 381   | 393  | 401   | 404  | 329  |
| 65°  | 254  | 271   | 290  | 300   | 304  | 252  |
| 75°  | 140  | 160   | 184  | 198   | 203  | 148  |
| 85°  | 42   | 67    | 94   | 110   | 116  | 45   |
| 90°  | 13   | 46    | 78   | 100   | 109  | 12   |
| 95°  | 75   | 97    | 132  | 155   | 163  | 77   |
| 105° | 234  | 252   | 280  | 301   | 310  | 250  |
| 115° | 435  | 445   | 466  | 478   | 482  | 430  |
| 125° | 631  | 637   | 652  | 662   | 665  | 565  |
| 135° | 818  | 823   | 830  | 839   | 839  | 630  |
| 145° | 990  | 993   | 996  | 1000  | 1000 | 619  |
| 155° | 1132 | 1132  | 1133 | 1137  | 1132 | 521  |
| 165° | 1231 | 1229  | 1230 | 1233  | 1228 | 347  |
| 175° | 1280 | 1276  | 1276 | 1281  | 1275 | 122  |
| 180° | 1283 | 1283  | 1283 | 1283  | 1283 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 775.0 | 775.0 | 775.0 | 775.0 | 775.0 | 775.0 | 775.0 | 775.0 | 775.0 | 775.0 | 775.0 |
| 2.5°   | 776.8 | 776.5 | 776.3 | 776.0 | 775.7 | 775.1 | 774.2 | 773.2 | 772.3 | 771.3 | 772.3 |
| 5°     | 775.0 | 774.6 | 774.3 | 774.0 | 773.6 | 772.9 | 771.7 | 770.5 | 769.3 | 768.1 | 769.5 |
| 7.5°   | 768.1 | 768.0 | 767.9 | 767.7 | 767.6 | 766.9 | 765.7 | 764.5 | 763.3 | 762.1 | 763.2 |
| 10°    | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 761.4 | 760.0 | 758.7 | 757.3 | 756.0 | 757.2 |
| 12.5°  | 753.6 | 753.7 | 753.8 | 754.0 | 754.1 | 753.6 | 752.5 | 751.5 | 750.4 | 749.3 | 750.2 |
| 15°    | 740.0 | 740.2 | 740.4 | 740.5 | 740.7 | 740.2 | 739.0 | 737.8 | 736.7 | 735.5 | 736.5 |
| 17.5°  | 722.4 | 722.7 | 723.1 | 723.4 | 723.8 | 723.3 | 722.2 | 721.0 | 719.8 | 718.6 | 719.4 |
| 20°    | 709.6 | 710.0 | 710.3 | 710.7 | 711.0 | 710.6 | 709.4 | 708.2 | 707.0 | 705.8 | 706.3 |
| 22.5°  | 695.1 | 695.7 | 696.3 | 696.9 | 697.5 | 697.1 | 695.8 | 694.5 | 693.2 | 691.9 | 692.5 |
| 25°    | 672.4 | 672.9 | 673.4 | 673.9 | 674.4 | 674.2 | 673.2 | 672.2 | 671.1 | 670.1 | 670.8 |
| 27.5°  | 647.2 | 647.9 | 648.7 | 649.4 | 650.2 | 650.0 | 648.8 | 647.7 | 646.5 | 645.4 | 645.8 |
| 30°    | 628.3 | 629.4 | 630.4 | 631.4 | 632.4 | 632.4 | 631.4 | 630.4 | 629.4 | 628.3 | 628.7 |
| 32.5°  | 611.3 | 612.2 | 613.1 | 614.0 | 614.8 | 614.9 | 614.2 | 613.4 | 612.7 | 611.9 | 612.3 |
| 35°    | 582.0 | 583.2 | 584.4 | 585.5 | 586.7 | 587.1 | 586.6 | 586.0 | 585.5 | 585.0 | 585.5 |
| 37.5°  | 552.7 | 553.8 | 554.8 | 555.9 | 557.0 | 557.4 | 557.3 | 557.1 | 556.9 | 556.8 | 557.4 |
| 40°    | 532.6 | 534.0 | 535.3 | 536.7 | 538.0 | 538.6 | 538.4 | 538.3 | 538.1 | 537.9 | 538.6 |
| 42.5°  | 510.7 | 512.5 | 514.2 | 516.0 | 517.8 | 518.8 | 519.2 | 519.6 | 519.9 | 520.3 | 521.1 |
| 45°    | 479.4 | 481.3 | 483.1 | 485.0 | 486.9 | 488.2 | 489.1 | 489.9 | 490.7 | 491.6 | 492.8 |
| 47.5°  | 447.4 | 449.1 | 450.8 | 452.5 | 454.3 | 455.8 | 457.3 | 458.7 | 460.2 | 461.6 | 463.4 |
| 50°    | 425.5 | 427.3 | 429.2 | 431.1 | 432.9 | 434.8 | 436.6 | 438.5 | 440.3 | 442.2 | 444.1 |
| 52.5°  | 402.4 | 404.6 | 406.9 | 409.2 | 411.4 | 413.7 | 416.0 | 418.2 | 420.5 | 422.7 | 424.7 |
| 55°    | 368.5 | 371.2 | 373.9 | 376.6 | 379.3 | 382.0 | 384.7 | 387.4 | 390.1 | 392.8 | 394.7 |
| 57.5°  | 333.9 | 337.1 | 340.3 | 343.6 | 346.8 | 350.0 | 353.1 | 356.2 | 359.3 | 362.4 | 364.5 |
| 60°    | 310.8 | 314.1 | 317.5 | 320.9 | 324.3 | 327.6 | 331.0 | 334.4 | 337.8 | 341.1 | 343.7 |
| 62.5°  | 288.3 | 291.6 | 295.0 | 298.4 | 301.8 | 305.3 | 308.9 | 312.6 | 316.2 | 319.9 | 322.7 |
| 65°    | 253.8 | 257.7 | 261.5 | 265.4 | 269.3 | 273.3 | 277.3 | 281.4 | 285.4 | 289.5 | 292.0 |
| 67.5°  | 221.3 | 225.0 | 228.7 | 232.5 | 236.2 | 240.2 | 244.3 | 248.4 | 252.5 | 256.7 | 259.7 |
| 70°    | 197.5 | 201.4 | 205.3 | 209.2 | 213.1 | 217.2 | 221.6 | 226.0 | 230.4 | 234.8 | 238.0 |
| 72.5°  | 174.4 | 178.5 | 182.5 | 186.5 | 190.5 | 194.9 | 199.7 | 204.5 | 209.3 | 214.1 | 217.6 |
| 75°    | 139.8 | 144.2 | 148.6 | 153.0 | 157.4 | 162.3 | 167.7 | 173.1 | 178.5 | 183.9 | 187.2 |
| 77.5°  | 106.5 | 111.6 | 116.7 | 121.7 | 126.8 | 131.9 | 137.1 | 142.3 | 147.5 | 152.7 | 156.4 |
| 80°    | 85.9  | 90.9  | 96.0  | 101.1 | 106.1 | 111.5 | 117.3 | 123.0 | 128.7 | 134.5 | 138.2 |
| 82.5°  | 67.0  | 72.3  | 77.7  | 83.0  | 88.4  | 94.0  | 99.8  | 105.7 | 111.6 | 117.5 | 121.0 |
| 85°    | 41.8  | 47.4  | 52.9  | 58.5  | 64.1  | 69.8  | 75.7  | 81.6  | 87.5  | 93.5  | 97.2  |
| 87.5°  | 23.9  | 29.7  | 35.4  | 41.2  | 46.9  | 52.8  | 58.9  | 64.9  | 71.0  | 77.0  | 81.2  |
| 90°    | 13.2  | 20.3  | 27.5  | 34.7  | 41.9  | 49.1  | 56.4  | 63.7  | 71.0  | 78.3  | 83.3  |
| 92.5°  | 35.1  | 41.3  | 47.6  | 53.8  | 60.1  | 67.1  | 74.9  | 82.6  | 90.4  | 98.2  | 103.4 |
| 95°    | 74.8  | 79.6  | 84.4  | 89.3  | 94.1  | 100.5 | 108.5 | 116.4 | 124.4 | 132.3 | 137.6 |
| 97.5°  | 116.8 | 120.9 | 125.0 | 129.2 | 133.3 | 139.7 | 148.3 | 156.9 | 165.5 | 174.1 | 179.1 |
| 100°   | 148.1 | 151.7 | 155.2 | 158.8 | 162.3 | 168.2 | 176.5 | 184.8 | 193.1 | 201.4 | 206.9 |
| 102.5° | 181.9 | 186.0 | 190.2 | 194.4 | 198.5 | 204.0 | 210.7 | 217.4 | 224.2 | 230.9 | 236.5 |
| 105°   | 234.5 | 238.3 | 242.1 | 245.9 | 249.7 | 254.8 | 261.2 | 267.6 | 274.0 | 280.4 | 285.1 |
| 107.5° | 292.7 | 296.1 | 299.5 | 302.9 | 306.3 | 310.9 | 316.8 | 322.7 | 328.6 | 334.5 | 338.5 |
| 110°   | 332.8 | 335.9 | 339.0 | 342.2 | 345.3 | 349.6 | 355.0 | 360.4 | 365.8 | 371.2 | 375.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 374.3  | 376.5  | 378.7  | 380.9  | 383.1  | 386.9  | 392.4  | 397.8  | 403.2  | 408.7  | 412.0  |
| 115°   | 434.8  | 436.9  | 439.0  | 441.1  | 443.1  | 446.6  | 451.4  | 456.2  | 461.1  | 465.9  | 468.7  |
| 117.5° | 495.6  | 496.8  | 497.9  | 499.1  | 500.3  | 503.2  | 507.7  | 512.3  | 516.8  | 521.4  | 524.4  |
| 120°   | 533.9  | 535.5  | 537.2  | 538.8  | 540.4  | 543.2  | 547.4  | 551.5  | 555.6  | 559.7  | 562.5  |
| 122.5° | 574.8  | 575.5  | 576.1  | 576.8  | 577.4  | 579.9  | 584.2  | 588.5  | 592.8  | 597.2  | 599.7  |
| 125°   | 631.0  | 632.2  | 633.3  | 634.5  | 635.7  | 638.0  | 641.6  | 645.2  | 648.8  | 652.4  | 654.7  |
| 127.5° | 690.1  | 690.7  | 691.3  | 691.9  | 692.5  | 694.3  | 697.3  | 700.4  | 703.4  | 706.4  | 708.7  |
| 130°   | 726.1  | 727.0  | 728.0  | 728.9  | 729.8  | 731.7  | 734.5  | 737.3  | 740.1  | 742.9  | 745.1  |
| 132.5° | 761.4  | 763.2  | 765.0  | 766.8  | 768.6  | 770.3  | 772.1  | 773.8  | 775.5  | 777.3  | 779.4  |
| 135°   | 818.2  | 819.3  | 820.5  | 821.7  | 822.8  | 824.1  | 825.5  | 826.9  | 828.3  | 829.7  | 831.9  |
| 137.5° | 871.5  | 872.7  | 873.8  | 875.0  | 876.1  | 877.2  | 878.3  | 879.4  | 880.4  | 881.5  | 883.8  |
| 140°   | 905.3  | 906.4  | 907.5  | 908.6  | 909.7  | 910.7  | 911.5  | 912.3  | 913.2  | 914.0  | 916.3  |
| 142.5° | 939.6  | 940.4  | 941.2  | 942.0  | 942.8  | 943.6  | 944.5  | 945.4  | 946.3  | 947.1  | 949.0  |
| 145°   | 990.1  | 990.8  | 991.6  | 992.3  | 993.0  | 993.7  | 994.4  | 995.0  | 995.7  | 996.4  | 997.2  |
| 147.5° | 1036.1 | 1036.6 | 1037.1 | 1037.6 | 1038.0 | 1038.6 | 1039.1 | 1039.6 | 1040.1 | 1040.7 | 1041.5 |
| 150°   | 1067.2 | 1067.0 | 1066.8 | 1066.6 | 1066.4 | 1066.7 | 1067.6 | 1068.5 | 1069.3 | 1070.2 | 1070.2 |
| 152.5° | 1092.8 | 1093.1 | 1093.4 | 1093.7 | 1094.0 | 1094.4 | 1094.7 | 1095.1 | 1095.4 | 1095.8 | 1096.3 |
| 155°   | 1132.1 | 1132.1 | 1132.1 | 1132.1 | 1132.1 | 1132.2 | 1132.5 | 1132.7 | 1132.9 | 1133.1 | 1134.0 |
| 157.5° | 1167.3 | 1166.8 | 1166.3 | 1165.8 | 1165.3 | 1165.2 | 1165.4 | 1165.6 | 1165.9 | 1166.1 | 1167.0 |
| 160°   | 1188.0 | 1187.4 | 1186.7 | 1186.0 | 1185.4 | 1185.2 | 1185.4 | 1185.6 | 1185.8 | 1186.0 | 1186.9 |
| 162.5° | 1206.4 | 1205.9 | 1205.4 | 1204.9 | 1204.5 | 1204.2 | 1204.3 | 1204.3 | 1204.4 | 1204.4 | 1205.5 |
| 165°   | 1231.0 | 1230.5 | 1230.1 | 1229.6 | 1229.2 | 1229.1 | 1229.3 | 1229.5 | 1229.7 | 1230.0 | 1230.9 |
| 167.5° | 1251.7 | 1250.8 | 1250.0 | 1249.1 | 1248.2 | 1247.7 | 1247.7 | 1247.7 | 1247.7 | 1247.7 | 1249.1 |
| 170°   | 1262.9 | 1262.0 | 1261.1 | 1260.3 | 1259.4 | 1258.9 | 1258.9 | 1258.9 | 1258.9 | 1258.9 | 1260.3 |
| 172.5° | 1270.9 | 1270.0 | 1269.1 | 1268.2 | 1267.4 | 1266.9 | 1266.9 | 1266.9 | 1266.9 | 1266.9 | 1268.2 |
| 175°   | 1279.9 | 1279.0 | 1278.1 | 1277.2 | 1276.3 | 1275.9 | 1275.9 | 1275.9 | 1275.9 | 1275.9 | 1277.2 |
| 177.5° | 1284.5 | 1283.8 | 1283.1 | 1282.3 | 1281.6 | 1281.2 | 1281.0 | 1280.8 | 1280.7 | 1280.5 | 1281.6 |
| 180°   | 1282.9 | 1282.9 | 1282.9 | 1282.9 | 1282.9 | 1282.9 | 1282.9 | 1282.9 | 1282.9 | 1282.9 | 1282.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 775.0 | 775.0 | 775.0 | 775.0 | 775.0 | 775.0 | 775.0 | 775.0 |
| 2.5°   | 773.2 | 774.2 | 775.1 | 775.5 | 775.4 | 775.3 | 775.1 | 775.0 |
| 5°     | 770.8 | 772.2 | 773.5 | 774.1 | 774.0 | 773.8 | 773.6 | 773.5 |
| 7.5°   | 764.4 | 765.6 | 766.8 | 767.3 | 767.1 | 767.0 | 766.8 | 766.6 |
| 10°    | 758.4 | 759.5 | 760.7 | 761.2 | 761.1 | 760.9 | 760.7 | 760.5 |
| 12.5°  | 751.1 | 752.0 | 753.0 | 753.2 | 752.7 | 752.3 | 751.9 | 751.4 |
| 15°    | 737.5 | 738.5 | 739.5 | 739.7 | 739.0 | 738.3 | 737.7 | 737.0 |
| 17.5°  | 720.2 | 720.9 | 721.7 | 721.9 | 721.5 | 721.1 | 720.7 | 720.3 |
| 20°    | 706.9 | 707.4 | 707.9 | 708.1 | 708.1 | 708.1 | 708.1 | 708.1 |
| 22.5°  | 693.1 | 693.8 | 694.4 | 694.5 | 694.1 | 693.7 | 693.3 | 692.9 |
| 25°    | 671.5 | 672.2 | 672.8 | 672.8 | 671.9 | 671.1 | 670.2 | 669.4 |
| 27.5°  | 646.3 | 646.8 | 647.3 | 647.3 | 647.0 | 646.7 | 646.4 | 646.1 |
| 30°    | 629.0 | 629.4 | 629.7 | 629.8 | 629.6 | 629.4 | 629.3 | 629.1 |
| 32.5°  | 612.6 | 612.9 | 613.3 | 613.4 | 613.2 | 613.0 | 612.9 | 612.7 |
| 35°    | 586.0 | 586.6 | 587.1 | 587.3 | 587.3 | 587.3 | 587.3 | 587.3 |
| 37.5°  | 558.1 | 558.8 | 559.5 | 559.8 | 559.7 | 559.6 | 559.6 | 559.5 |
| 40°    | 539.3 | 540.0 | 540.6 | 541.1 | 541.5 | 541.8 | 542.2 | 542.5 |
| 42.5°  | 521.9 | 522.7 | 523.5 | 524.0 | 524.1 | 524.1 | 524.2 | 524.3 |
| 45°    | 493.9 | 495.1 | 496.3 | 497.0 | 497.2 | 497.3 | 497.5 | 497.7 |
| 47.5°  | 465.1 | 466.8 | 468.5 | 469.6 | 470.0 | 470.3 | 470.7 | 471.1 |
| 50°    | 445.9 | 447.8 | 449.6 | 450.8 | 451.3 | 451.8 | 452.3 | 452.8 |
| 52.5°  | 426.7 | 428.7 | 430.7 | 431.9 | 432.3 | 432.6 | 433.0 | 433.4 |
| 55°    | 396.5 | 398.4 | 400.2 | 401.5 | 402.2 | 402.9 | 403.5 | 404.2 |
| 57.5°  | 366.7 | 368.8 | 370.9 | 372.2 | 372.8 | 373.3 | 373.8 | 374.3 |
| 60°    | 346.2 | 348.7 | 351.3 | 352.8 | 353.3 | 353.8 | 354.3 | 354.8 |
| 62.5°  | 325.5 | 328.3 | 331.1 | 332.8 | 333.4 | 334.1 | 334.7 | 335.4 |
| 65°    | 294.5 | 297.1 | 299.6 | 301.2 | 301.9 | 302.6 | 303.2 | 303.9 |
| 67.5°  | 262.8 | 265.9 | 268.9 | 270.9 | 271.8 | 272.7 | 273.6 | 274.4 |
| 70°    | 241.2 | 244.4 | 247.6 | 249.7 | 250.7 | 251.7 | 252.8 | 253.8 |
| 72.5°  | 221.1 | 224.5 | 228.0 | 230.1 | 230.9 | 231.6 | 232.4 | 233.1 |
| 75°    | 190.6 | 194.0 | 197.4 | 199.5 | 200.3 | 201.2 | 202.0 | 202.9 |
| 77.5°  | 160.1 | 163.9 | 167.6 | 169.8 | 170.4 | 171.1 | 171.8 | 172.5 |
| 80°    | 141.9 | 145.6 | 149.3 | 151.5 | 152.2 | 152.9 | 153.6 | 154.2 |
| 82.5°  | 124.6 | 128.2 | 131.8 | 134.2 | 135.4 | 136.6 | 137.8 | 139.0 |
| 85°    | 100.9 | 104.6 | 108.3 | 110.8 | 112.2 | 113.5 | 114.9 | 116.2 |
| 87.5°  | 85.3  | 89.4  | 93.5  | 96.2  | 97.5  | 98.8  | 100.1 | 101.4 |
| 90°    | 88.3  | 93.3  | 98.2  | 101.7 | 103.5 | 105.4 | 107.2 | 109.1 |
| 92.5°  | 108.6 | 113.8 | 119.1 | 122.5 | 124.2 | 125.8 | 127.5 | 129.2 |
| 95°    | 142.9 | 148.1 | 153.4 | 156.9 | 158.5 | 160.1 | 161.7 | 163.4 |
| 97.5°  | 184.1 | 189.1 | 194.1 | 197.3 | 198.7 | 200.1 | 201.6 | 203.0 |
| 100°   | 212.5 | 218.0 | 223.5 | 227.0 | 228.5 | 230.0 | 231.4 | 232.9 |
| 102.5° | 242.1 | 247.6 | 253.2 | 256.8 | 258.5 | 260.1 | 261.7 | 263.4 |
| 105°   | 289.8 | 294.5 | 299.2 | 302.5 | 304.4 | 306.2 | 308.0 | 309.9 |
| 107.5° | 342.5 | 346.5 | 350.5 | 353.0 | 354.0 | 355.0 | 356.0 | 357.0 |
| 110°   | 378.9 | 382.8 | 386.7 | 389.1 | 390.0 | 391.0 | 391.9 | 392.9 |





TEST NUMBER: P333191

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-D1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 415.4  | 418.8  | 422.2  | 424.3  | 425.1  | 425.8  | 426.6  | 427.4  |
| 115°   | 471.5  | 474.4  | 477.2  | 479.0  | 479.8  | 480.6  | 481.4  | 482.1  |
| 117.5° | 527.5  | 530.5  | 533.6  | 535.2  | 535.5  | 535.7  | 536.0  | 536.3  |
| 120°   | 565.4  | 568.3  | 571.1  | 572.6  | 572.8  | 572.9  | 573.0  | 573.1  |
| 122.5° | 602.3  | 604.8  | 607.4  | 608.8  | 609.1  | 609.4  | 609.7  | 610.0  |
| 125°   | 656.9  | 659.2  | 661.5  | 662.9  | 663.5  | 664.1  | 664.8  | 665.4  |
| 127.5° | 711.0  | 713.3  | 715.5  | 717.0  | 717.5  | 718.0  | 718.6  | 719.1  |
| 130°   | 747.2  | 749.4  | 751.5  | 752.8  | 753.2  | 753.6  | 754.0  | 754.4  |
| 132.5° | 781.5  | 783.7  | 785.8  | 786.9  | 787.0  | 787.1  | 787.2  | 787.3  |
| 135°   | 834.1  | 836.3  | 838.5  | 839.6  | 839.5  | 839.5  | 839.4  | 839.4  |
| 137.5° | 886.0  | 888.3  | 890.5  | 891.4  | 891.0  | 890.6  | 890.1  | 889.7  |
| 140°   | 918.6  | 920.9  | 923.2  | 924.2  | 923.7  | 923.3  | 922.8  | 922.4  |
| 142.5° | 950.8  | 952.7  | 954.6  | 955.3  | 954.8  | 954.4  | 954.0  | 953.5  |
| 145°   | 998.0  | 998.9  | 999.7  | 1000.2 | 1000.2 | 1000.2 | 1000.2 | 1000.2 |
| 147.5° | 1042.3 | 1043.1 | 1043.9 | 1043.7 | 1042.5 | 1041.3 | 1040.1 | 1038.9 |
| 150°   | 1070.2 | 1070.2 | 1070.2 | 1070.1 | 1069.8 | 1069.5 | 1069.3 | 1069.0 |
| 152.5° | 1096.9 | 1097.4 | 1097.9 | 1097.8 | 1097.0 | 1096.3 | 1095.5 | 1094.7 |
| 155°   | 1134.9 | 1135.8 | 1136.7 | 1136.6 | 1135.5 | 1134.3 | 1133.2 | 1132.1 |
| 157.5° | 1167.8 | 1168.7 | 1169.6 | 1169.3 | 1167.9 | 1166.4 | 1164.9 | 1163.5 |
| 160°   | 1187.8 | 1188.7 | 1189.6 | 1189.5 | 1188.4 | 1187.3 | 1186.2 | 1185.0 |
| 162.5° | 1206.5 | 1207.6 | 1208.7 | 1208.6 | 1207.3 | 1206.0 | 1204.7 | 1203.4 |
| 165°   | 1231.7 | 1232.6 | 1233.5 | 1233.3 | 1232.0 | 1230.6 | 1229.3 | 1228.0 |
| 167.5° | 1250.4 | 1251.7 | 1253.1 | 1253.0 | 1251.7 | 1250.3 | 1248.9 | 1247.5 |
| 170°   | 1261.6 | 1262.9 | 1264.2 | 1264.1 | 1262.6 | 1261.0 | 1259.5 | 1257.9 |
| 172.5° | 1269.6 | 1270.9 | 1272.2 | 1272.2 | 1270.8 | 1269.5 | 1268.1 | 1266.7 |
| 175°   | 1278.6 | 1279.9 | 1281.2 | 1281.1 | 1279.6 | 1278.0 | 1276.4 | 1274.9 |
| 177.5° | 1282.6 | 1283.7 | 1284.7 | 1284.7 | 1283.4 | 1282.2 | 1280.9 | 1279.7 |
| 180°   | 1282.9 | 1282.9 | 1282.9 | 1282.9 | 1282.9 | 1282.9 | 1282.9 | 1282.9 |

(END OF REPORT)