

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: P331451-935

Luminaire Tested: **S122DIP-S1005D925U935-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331451-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122DIP-S1005D925U935-4F0-1E-UDD-D1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

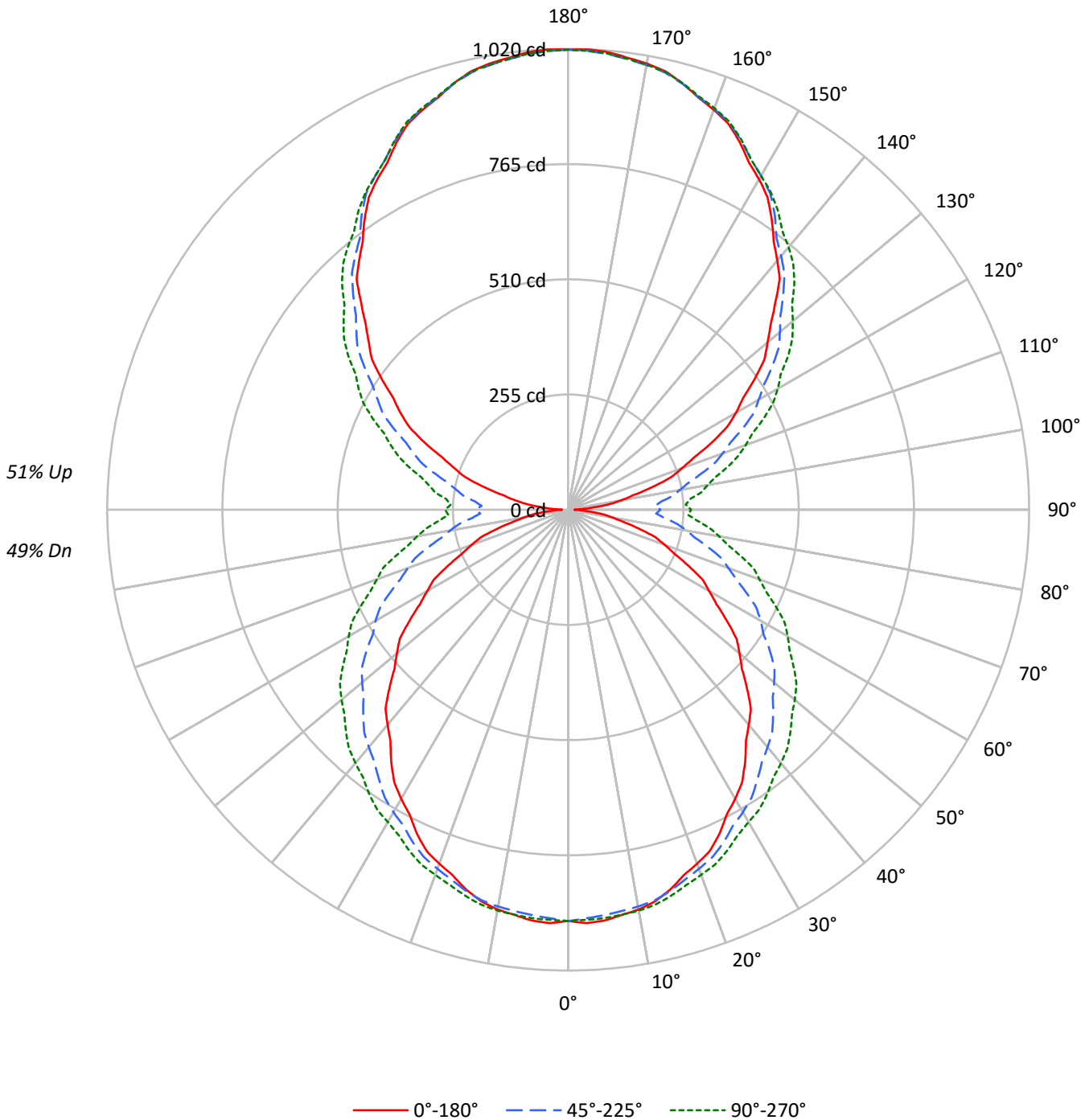
Lumens per Lamp: N/A  
Luminaire Lumens: 6324.6 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')  
CIE Type: General Diffuse  
  
Input Watts (W): 66.8  
Input Voltage (V): 120  
Input Current (Ain): 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: P331451-935

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### Luminous Intensity Polar Plot





TEST NUMBER: P331451-935

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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   | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 83 | 83 | 83 | 68 | 68 | 68 | 55 | 55 | 55 | 49 |
| 1   | 96  | 91  | 87  | 83  | 88 | 84 | 80 | 77 | 70 | 67 | 65 | 58 | 56 | 54 | 46 | 45 | 44 | 38 |
| 2   | 87  | 79  | 72  | 66  | 79 | 72 | 67 | 62 | 61 | 56 | 52 | 50 | 47 | 44 | 40 | 38 | 36 | 31 |
| 3   | 79  | 69  | 61  | 55  | 72 | 63 | 56 | 51 | 53 | 48 | 43 | 44 | 40 | 36 | 35 | 32 | 30 | 25 |
| 4   | 72  | 60  | 52  | 46  | 66 | 56 | 48 | 43 | 47 | 41 | 37 | 39 | 34 | 31 | 31 | 28 | 25 | 21 |
| 5   | 66  | 54  | 45  | 39  | 60 | 50 | 42 | 36 | 42 | 36 | 31 | 34 | 30 | 26 | 28 | 24 | 22 | 18 |
| 6   | 61  | 48  | 40  | 33  | 55 | 44 | 37 | 31 | 37 | 32 | 27 | 31 | 26 | 23 | 25 | 22 | 19 | 16 |
| 7   | 56  | 43  | 35  | 29  | 51 | 40 | 33 | 27 | 34 | 28 | 24 | 28 | 24 | 20 | 23 | 19 | 17 | 14 |
| 8   | 52  | 39  | 31  | 26  | 47 | 36 | 29 | 24 | 31 | 25 | 21 | 26 | 21 | 18 | 21 | 17 | 15 | 12 |
| 9   | 48  | 36  | 28  | 23  | 44 | 33 | 26 | 21 | 28 | 23 | 19 | 24 | 19 | 16 | 19 | 16 | 13 | 11 |
| 10  | 45  | 33  | 25  | 20  | 41 | 30 | 24 | 19 | 26 | 20 | 17 | 22 | 17 | 14 | 18 | 14 | 12 | 10 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 14699 | 14699 | 14699 |
| 5°  | 14772 | 14150 | 14097 |
| 10° | 14679 | 13733 | 13578 |
| 15° | 14477 | 13289 | 13032 |
| 20° | 14222 | 12815 | 12506 |
| 25° | 13968 | 12358 | 12028 |
| 30° | 13612 | 11889 | 11549 |
| 35° | 13253 | 11434 | 11211 |
| 40° | 12874 | 11047 | 10874 |
| 45° | 12515 | 10702 | 10584 |
| 50° | 12128 | 10388 | 10300 |
| 55° | 11724 | 10052 | 10011 |
| 60° | 11226 | 9702  | 9705  |
| 65° | 10711 | 9294  | 9342  |
| 70° | 10136 | 8856  | 8949  |
| 75° | 9394  | 8423  | 8587  |
| 80° | 8224  | 7984  | 8220  |
| 85° | 7107  | 7603  | 7937  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 86.3   | 1.4       |
| 10°-20°   | 247.4  | 3.9       |
| 20°-30°   | 374.9  | 5.9       |
| 30°-40°   | 456.6  | 7.2       |
| 40°-50°   | 491.2  | 7.8       |
| 50°-60°   | 477.0  | 7.5       |
| 60°-70°   | 416.5  | 6.6       |
| 70°-80°   | 320.7  | 5.1       |
| 80°-90°   | 219.3  | 3.5       |
| 90°-100°  | 212.8  | 3.4       |
| 100°-110° | 308.6  | 4.9       |
| 110°-120° | 414.0  | 6.5       |
| 120°-130° | 490.4  | 7.8       |
| 130°-140° | 522.3  | 8.3       |
| 140°-150° | 498.6  | 7.9       |
| 150°-160° | 415.8  | 6.6       |
| 160°-170° | 275.8  | 4.4       |
| 170°-180° | 96.4   | 1.5       |
| 0°-30°    | 708.5  | 11.2      |
| 0°-40°    | 1165.2 | 18.4      |
| 0°-60°    | 2133.4 | 33.7      |
| 0°-90°    | 3089.9 | 48.9      |
| 90°-120°  | 935.5  | 14.8      |
| 90°-150°  | 2446.7 | 38.7      |
| 90°-180°  | 3235.0 | 51.1      |
| 0°-180°   | 6324.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 910  | 910   | 910  | 910   | 910  |      |
| 5°   | 913  | 909   | 901  | 909   | 908  | 87   |
| 15°  | 871  | 873   | 874  | 885   | 884  | 245  |
| 25°  | 792  | 801   | 813  | 828   | 833  | 364  |
| 35°  | 682  | 705   | 730  | 758   | 768  | 426  |
| 45°  | 560  | 596   | 641  | 681   | 695  | 432  |
| 55°  | 429  | 478   | 545  | 591   | 610  | 383  |
| 65°  | 293  | 358   | 435  | 488   | 507  | 291  |
| 75°  | 162  | 237   | 321  | 375   | 394  | 172  |
| 85°  | 48   | 129   | 214  | 267   | 288  | 51   |
| 90°  | 14   | 102   | 204  | 253   | 272  | 11   |
| 95°  | 55   | 126   | 207  | 255   | 271  | 60   |
| 105° | 191  | 234   | 302  | 349   | 365  | 203  |
| 115° | 349  | 371   | 426  | 464   | 477  | 345  |
| 125° | 503  | 512   | 550  | 582   | 594  | 450  |
| 135° | 648  | 658   | 673  | 698   | 708  | 501  |
| 145° | 785  | 791   | 796  | 805   | 808  | 491  |
| 155° | 898  | 900   | 903  | 907   | 905  | 413  |
| 165° | 977  | 976   | 976  | 982   | 978  | 275  |
| 175° | 1016 | 1014  | 1012 | 1018  | 1013 | 97   |
| 180° | 1018 | 1018  | 1018 | 1018  | 1018 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 |
| 2.5°   | 915.8 | 915.1 | 914.3 | 913.6 | 912.9 | 911.7 | 910.1 | 908.4 | 906.8 | 905.2 | 906.4 |
| 5°     | 913.1 | 912.2 | 911.4 | 910.4 | 909.6 | 908.3 | 906.5 | 904.7 | 903.0 | 901.2 | 903.0 |
| 7.5°   | 904.9 | 904.3 | 903.7 | 903.2 | 902.6 | 901.6 | 900.3 | 898.9 | 897.6 | 896.2 | 898.3 |
| 10°    | 898.6 | 898.0 | 897.4 | 896.8 | 896.2 | 895.5 | 894.7 | 893.7 | 892.9 | 892.0 | 894.3 |
| 12.5°  | 888.0 | 888.1 | 888.3 | 888.4 | 888.5 | 888.2 | 887.6 | 886.9 | 886.3 | 885.6 | 888.0 |
| 15°    | 870.9 | 871.5 | 872.0 | 872.6 | 873.2 | 873.5 | 873.5 | 873.5 | 873.5 | 873.5 | 876.2 |
| 17.5°  | 848.7 | 850.0 | 851.2 | 852.4 | 853.6 | 854.7 | 855.7 | 856.6 | 857.6 | 858.5 | 861.3 |
| 20°    | 834.0 | 835.4 | 836.9 | 838.4 | 839.8 | 841.1 | 842.3 | 843.4 | 844.6 | 845.8 | 849.0 |
| 22.5°  | 818.1 | 819.8 | 821.5 | 823.2 | 824.9 | 826.6 | 828.2 | 829.8 | 831.5 | 833.1 | 836.4 |
| 25°    | 791.7 | 793.8 | 795.8 | 797.9 | 800.0 | 802.3 | 804.9 | 807.5 | 810.2 | 812.8 | 816.3 |
| 27.5°  | 760.0 | 763.4 | 766.7 | 770.1 | 773.4 | 776.6 | 779.7 | 782.8 | 785.9 | 789.1 | 793.5 |
| 30°    | 738.9 | 742.7 | 746.6 | 750.4 | 754.1 | 758.0 | 761.8 | 765.6 | 769.4 | 773.3 | 777.9 |
| 32.5°  | 715.7 | 720.0 | 724.3 | 728.6 | 732.8 | 737.2 | 741.8 | 746.2 | 750.8 | 755.3 | 760.7 |
| 35°    | 682.2 | 687.2 | 692.2 | 697.2 | 702.1 | 707.4 | 713.0 | 718.5 | 724.1 | 729.7 | 736.2 |
| 37.5°  | 645.8 | 651.5 | 657.3 | 663.0 | 668.7 | 675.2 | 682.4 | 689.7 | 696.9 | 704.1 | 711.3 |
| 40°    | 621.5 | 627.9 | 634.4 | 640.8 | 647.3 | 654.4 | 662.4 | 670.3 | 678.2 | 686.1 | 693.8 |
| 42.5°  | 598.3 | 604.7 | 611.1 | 617.6 | 624.1 | 631.8 | 640.9 | 650.1 | 659.1 | 668.2 | 676.5 |
| 45°    | 559.5 | 567.4 | 575.3 | 583.2 | 591.2 | 600.2 | 610.5 | 620.8 | 631.0 | 641.3 | 650.4 |
| 47.5°  | 521.2 | 529.9 | 538.5 | 547.1 | 555.7 | 566.0 | 578.1 | 590.0 | 602.1 | 614.1 | 623.6 |
| 50°    | 494.8 | 503.9 | 513.0 | 522.1 | 531.2 | 542.3 | 555.5 | 568.7 | 581.9 | 595.1 | 605.1 |
| 52.5°  | 469.5 | 479.1 | 488.6 | 498.2 | 507.7 | 519.4 | 533.3 | 547.3 | 561.1 | 575.1 | 585.2 |
| 55°    | 428.9 | 439.4 | 450.0 | 460.5 | 471.1 | 484.0 | 499.2 | 514.4 | 529.7 | 544.9 | 555.5 |
| 57.5°  | 388.7 | 400.6 | 412.5 | 424.5 | 436.4 | 450.0 | 465.6 | 481.1 | 496.7 | 512.2 | 523.6 |
| 60°    | 360.2 | 372.8 | 385.5 | 398.0 | 410.7 | 425.3 | 442.0 | 458.7 | 475.4 | 492.1 | 503.3 |
| 62.5°  | 334.9 | 347.9 | 361.0 | 374.1 | 387.2 | 402.1 | 418.8 | 435.5 | 452.3 | 469.0 | 480.8 |
| 65°    | 292.9 | 307.3 | 321.7 | 336.0 | 350.4 | 366.3 | 383.6 | 400.8 | 418.1 | 435.4 | 447.5 |
| 67.5°  | 254.4 | 269.4 | 284.4 | 299.5 | 314.4 | 330.8 | 348.5 | 366.3 | 383.9 | 401.7 | 413.8 |
| 70°    | 227.0 | 242.2 | 257.4 | 272.7 | 287.9 | 304.6 | 322.9 | 341.0 | 359.2 | 377.4 | 389.9 |
| 72.5°  | 201.6 | 217.3 | 233.1 | 248.7 | 264.5 | 281.5 | 300.0 | 318.4 | 336.8 | 355.2 | 367.6 |
| 75°    | 162.3 | 178.7 | 195.1 | 211.5 | 228.0 | 245.6 | 264.3 | 283.1 | 301.9 | 320.6 | 333.2 |
| 77.5°  | 124.3 | 141.5 | 158.7 | 175.8 | 193.0 | 211.1 | 230.2 | 249.3 | 268.3 | 287.4 | 300.0 |
| 80°    | 98.9  | 116.8 | 134.7 | 152.7 | 170.5 | 189.0 | 208.0 | 227.1 | 246.2 | 265.2 | 277.5 |
| 82.5°  | 77.8  | 95.5  | 113.1 | 130.8 | 148.4 | 166.9 | 186.2 | 205.5 | 224.8 | 244.1 | 256.4 |
| 85°    | 47.5  | 65.7  | 83.9  | 102.0 | 120.2 | 138.7 | 157.5 | 176.2 | 195.0 | 213.8 | 226.1 |
| 87.5°  | 26.0  | 44.0  | 61.9  | 79.8  | 97.8  | 116.6 | 136.1 | 155.8 | 175.4 | 194.9 | 206.9 |
| 90°    | 14.0  | 33.3  | 52.7  | 72.0  | 91.3  | 112.4 | 135.3 | 158.3 | 181.2 | 204.2 | 215.6 |
| 92.5°  | 27.5  | 44.9  | 62.4  | 80.0  | 97.5  | 115.8 | 134.8 | 153.9 | 173.0 | 192.0 | 203.5 |
| 95°    | 55.3  | 70.9  | 86.6  | 102.3 | 118.0 | 134.8 | 152.8 | 170.8 | 188.7 | 206.7 | 217.9 |
| 97.5°  | 90.8  | 104.8 | 118.7 | 132.7 | 146.6 | 162.4 | 180.0 | 197.6 | 215.2 | 232.8 | 243.7 |
| 100°   | 118.4 | 130.7 | 143.1 | 155.5 | 167.9 | 182.5 | 199.6 | 216.5 | 233.5 | 250.6 | 261.4 |
| 102.5° | 146.2 | 157.3 | 168.4 | 179.6 | 190.7 | 204.6 | 221.3 | 238.0 | 254.7 | 271.3 | 282.1 |
| 105°   | 191.3 | 200.4 | 209.5 | 218.5 | 227.6 | 240.0 | 255.6 | 271.2 | 286.9 | 302.5 | 313.1 |
| 107.5° | 238.2 | 245.8 | 253.5 | 261.1 | 268.7 | 279.8 | 294.5 | 309.0 | 323.6 | 338.3 | 348.3 |
| 110°   | 267.3 | 274.3 | 281.4 | 288.3 | 295.4 | 306.1 | 320.5 | 334.8 | 349.2 | 363.5 | 372.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 300.3  | 306.4  | 312.5  | 318.6  | 324.6  | 334.4  | 347.9  | 361.4  | 375.0  | 388.5  | 397.4  |
| 115°   | 349.0  | 353.4  | 357.7  | 362.1  | 366.4  | 375.1  | 387.9  | 400.7  | 413.5  | 426.3  | 434.9  |
| 117.5° | 396.1  | 399.8  | 403.4  | 407.0  | 410.7  | 418.0  | 429.2  | 440.3  | 451.4  | 462.5  | 470.8  |
| 120°   | 428.4  | 431.1  | 433.9  | 436.5  | 439.2  | 445.7  | 455.9  | 466.1  | 476.3  | 486.5  | 494.7  |
| 122.5° | 458.0  | 460.3  | 462.6  | 464.9  | 467.2  | 473.3  | 483.3  | 493.3  | 503.2  | 513.2  | 520.6  |
| 125°   | 502.7  | 504.5  | 506.2  | 507.9  | 509.6  | 514.9  | 523.7  | 532.4  | 541.3  | 550.1  | 557.4  |
| 127.5° | 547.6  | 549.5  | 551.3  | 553.2  | 555.1  | 559.5  | 566.4  | 573.3  | 580.1  | 587.0  | 593.6  |
| 130°   | 575.8  | 577.9  | 580.1  | 582.3  | 584.5  | 588.5  | 594.3  | 600.0  | 605.8  | 611.6  | 618.3  |
| 132.5° | 607.3  | 609.1  | 610.8  | 612.6  | 614.3  | 617.6  | 622.4  | 627.2  | 632.1  | 636.9  | 642.8  |
| 135°   | 648.3  | 650.4  | 652.6  | 654.6  | 656.7  | 659.4  | 662.7  | 666.1  | 669.3  | 672.7  | 678.6  |
| 137.5° | 692.8  | 694.5  | 696.1  | 697.8  | 699.5  | 701.2  | 703.0  | 704.7  | 706.5  | 708.3  | 713.6  |
| 140°   | 719.6  | 721.1  | 722.5  | 723.9  | 725.3  | 726.9  | 728.4  | 729.9  | 731.4  | 733.0  | 737.7  |
| 142.5° | 747.2  | 748.6  | 750.0  | 751.4  | 752.9  | 753.9  | 754.7  | 755.4  | 756.2  | 757.0  | 760.9  |
| 145°   | 785.3  | 786.7  | 788.0  | 789.4  | 790.7  | 791.9  | 793.1  | 794.2  | 795.4  | 796.5  | 798.5  |
| 147.5° | 820.5  | 822.2  | 823.8  | 825.4  | 827.0  | 828.2  | 829.0  | 829.7  | 830.4  | 831.2  | 831.9  |
| 150°   | 844.6  | 845.8  | 846.9  | 848.1  | 849.2  | 850.2  | 850.9  | 851.7  | 852.5  | 853.3  | 853.8  |
| 152.5° | 865.9  | 867.1  | 868.2  | 869.4  | 870.6  | 871.6  | 872.5  | 873.4  | 874.3  | 875.2  | 876.0  |
| 155°   | 897.9  | 898.5  | 899.1  | 899.7  | 900.2  | 900.8  | 901.4  | 901.9  | 902.5  | 903.0  | 904.0  |
| 157.5° | 925.2  | 925.6  | 926.0  | 926.3  | 926.8  | 927.1  | 927.5  | 927.8  | 928.2  | 928.5  | 929.8  |
| 160°   | 941.8  | 942.1  | 942.5  | 942.9  | 943.2  | 943.6  | 943.7  | 943.9  | 944.1  | 944.3  | 945.5  |
| 162.5° | 956.8  | 956.9  | 957.0  | 957.1  | 957.2  | 957.3  | 957.5  | 957.7  | 957.9  | 958.0  | 959.3  |
| 165°   | 977.0  | 976.8  | 976.5  | 976.4  | 976.2  | 976.1  | 976.1  | 976.1  | 976.1  | 976.1  | 977.4  |
| 167.5° | 993.8  | 993.2  | 992.6  | 992.0  | 991.5  | 991.2  | 991.2  | 991.1  | 991.1  | 991.0  | 992.4  |
| 170°   | 1002.7 | 1002.1 | 1001.6 | 1001.0 | 1000.4 | 1000.1 | 999.9  | 999.7  | 999.4  | 999.3  | 1000.7 |
| 172.5° | 1008.9 | 1008.3 | 1007.8 | 1007.2 | 1006.6 | 1006.3 | 1006.1 | 1005.8 | 1005.6 | 1005.5 | 1006.9 |
| 175°   | 1016.5 | 1015.9 | 1015.3 | 1014.8 | 1014.2 | 1013.7 | 1013.3 | 1013.0 | 1012.5 | 1012.2 | 1013.5 |
| 177.5° | 1019.6 | 1019.1 | 1018.6 | 1018.2 | 1017.7 | 1017.4 | 1017.0 | 1016.8 | 1016.4 | 1016.2 | 1017.0 |
| 180°   | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 |
| 2.5°   | 907.5 | 908.7 | 909.9 | 910.2 | 909.7 | 909.3 | 908.8 | 908.4 |
| 5°     | 904.7 | 906.5 | 908.3 | 909.0 | 908.7 | 908.4 | 908.1 | 907.8 |
| 7.5°   | 900.4 | 902.6 | 904.7 | 905.6 | 905.3 | 905.0 | 904.7 | 904.4 |
| 10°    | 896.6 | 899.1 | 901.4 | 902.4 | 902.1 | 901.8 | 901.6 | 901.2 |
| 12.5°  | 890.4 | 892.7 | 895.0 | 896.0 | 895.8 | 895.4 | 895.2 | 894.9 |
| 15°    | 878.8 | 881.4 | 884.1 | 885.3 | 884.9 | 884.7 | 884.3 | 884.1 |
| 17.5°  | 864.0 | 866.8 | 869.5 | 870.9 | 870.9 | 870.9 | 870.9 | 870.9 |
| 20°    | 852.2 | 855.5 | 858.7 | 860.3 | 860.3 | 860.3 | 860.3 | 860.3 |
| 22.5°  | 839.6 | 842.8 | 846.0 | 847.9 | 848.3 | 848.9 | 849.3 | 849.8 |
| 25°    | 819.8 | 823.4 | 826.9 | 829.1 | 830.0 | 830.9 | 831.7 | 832.6 |
| 27.5°  | 798.0 | 802.5 | 806.9 | 809.4 | 810.1 | 810.7 | 811.4 | 812.0 |
| 30°    | 782.6 | 787.3 | 792.0 | 794.8 | 795.7 | 796.5 | 797.5 | 798.3 |
| 32.5°  | 766.1 | 771.5 | 776.9 | 780.3 | 782.0 | 783.5 | 785.1 | 786.7 |
| 35°    | 742.6 | 749.1 | 755.5 | 759.7 | 761.8 | 763.9 | 765.9 | 767.9 |
| 37.5°  | 718.4 | 725.6 | 732.7 | 737.4 | 739.5 | 741.8 | 743.9 | 746.1 |
| 40°    | 701.4 | 709.0 | 716.6 | 721.8 | 724.4 | 727.0 | 729.7 | 732.4 |
| 42.5°  | 684.8 | 693.2 | 701.5 | 707.0 | 709.6 | 712.3 | 714.9 | 717.6 |
| 45°    | 659.4 | 668.6 | 677.6 | 683.6 | 686.6 | 689.5 | 692.4 | 695.3 |
| 47.5°  | 633.1 | 642.6 | 652.1 | 658.5 | 661.7 | 665.0 | 668.1 | 671.4 |
| 50°    | 615.0 | 625.0 | 635.0 | 641.6 | 644.8 | 648.0 | 651.3 | 654.4 |
| 52.5°  | 595.5 | 605.6 | 615.9 | 622.7 | 626.1 | 629.6 | 633.1 | 636.5 |
| 55°    | 566.1 | 576.6 | 587.2 | 594.3 | 598.1 | 602.0 | 605.8 | 609.6 |
| 57.5°  | 535.0 | 546.4 | 557.8 | 565.3 | 569.2 | 573.1 | 577.0 | 580.8 |
| 60°    | 514.4 | 525.6 | 536.7 | 544.4 | 548.5 | 552.6 | 556.7 | 560.8 |
| 62.5°  | 492.7 | 504.5 | 516.3 | 524.2 | 528.1 | 531.9 | 535.8 | 539.7 |
| 65°    | 459.5 | 471.5 | 483.5 | 491.5 | 495.2 | 499.0 | 502.9 | 506.7 |
| 67.5°  | 425.9 | 438.1 | 450.2 | 458.3 | 462.3 | 466.2 | 470.3 | 474.2 |
| 70°    | 402.6 | 415.2 | 427.8 | 435.8 | 439.4 | 442.9 | 446.4 | 450.0 |
| 72.5°  | 380.0 | 392.4 | 404.7 | 413.0 | 417.2 | 421.5 | 425.7 | 429.9 |
| 75°    | 345.9 | 358.4 | 371.1 | 379.3 | 383.1 | 386.9 | 390.7 | 394.5 |
| 77.5°  | 312.5 | 325.0 | 337.6 | 345.9 | 350.0 | 354.1 | 358.3 | 362.3 |
| 80°    | 289.8 | 302.2 | 314.5 | 322.7 | 326.8 | 330.9 | 335.0 | 339.1 |
| 82.5°  | 268.7 | 281.0 | 293.3 | 301.4 | 305.3 | 309.2 | 313.1 | 316.9 |
| 85°    | 238.4 | 250.7 | 263.0 | 271.2 | 275.3 | 279.5 | 283.5 | 287.7 |
| 87.5°  | 218.8 | 230.7 | 242.5 | 250.4 | 254.2 | 258.0 | 261.7 | 265.5 |
| 90°    | 227.0 | 238.3 | 249.6 | 257.2 | 260.9 | 264.6 | 268.3 | 272.0 |
| 92.5°  | 215.2 | 226.7 | 238.3 | 245.8 | 249.4 | 253.0 | 256.5 | 260.1 |
| 95°    | 229.0 | 240.1 | 251.3 | 258.5 | 261.6 | 264.8 | 267.9 | 271.0 |
| 97.5°  | 254.5 | 265.4 | 276.2 | 283.4 | 286.8 | 290.2 | 293.7 | 297.0 |
| 100°   | 272.2 | 283.1 | 293.9 | 300.8 | 303.9 | 306.9 | 310.0 | 313.0 |
| 102.5° | 292.8 | 303.6 | 314.4 | 321.3 | 324.3 | 327.4 | 330.4 | 333.5 |
| 105°   | 323.8 | 334.4 | 345.1 | 352.1 | 355.2 | 358.4 | 361.7 | 364.9 |
| 107.5° | 358.3 | 368.2 | 378.3 | 384.4 | 386.8 | 389.2 | 391.5 | 393.8 |
| 110°   | 382.3 | 391.7 | 401.1 | 407.1 | 409.7 | 412.4 | 415.1 | 417.7 |





TEST NUMBER: P331451-935

CATALOG NUMBER: S122DIP-S1005D925U935-4F0-1E-UDD-D1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 406.3  | 415.3  | 424.1  | 430.1  | 432.8  | 435.7  | 438.4  | 441.3  |
| 115°   | 443.5  | 452.1  | 460.7  | 466.3  | 469.0  | 471.7  | 474.3  | 477.0  |
| 117.5° | 479.0  | 487.2  | 495.4  | 500.8  | 503.2  | 505.6  | 508.0  | 510.5  |
| 120°   | 502.9  | 511.1  | 519.4  | 524.8  | 527.4  | 530.0  | 532.7  | 535.4  |
| 122.5° | 528.1  | 535.7  | 543.2  | 548.1  | 550.4  | 552.8  | 555.2  | 557.5  |
| 125°   | 564.8  | 572.1  | 579.5  | 584.4  | 586.9  | 589.3  | 591.7  | 594.2  |
| 127.5° | 600.2  | 606.7  | 613.3  | 617.6  | 619.6  | 621.6  | 623.5  | 625.5  |
| 130°   | 624.9  | 631.5  | 638.2  | 642.3  | 643.9  | 645.5  | 647.0  | 648.7  |
| 132.5° | 648.8  | 654.8  | 660.7  | 664.6  | 666.3  | 668.0  | 669.8  | 671.5  |
| 135°   | 684.6  | 690.6  | 696.5  | 700.4  | 702.2  | 704.0  | 705.8  | 707.5  |
| 137.5° | 718.8  | 724.1  | 729.4  | 732.5  | 733.7  | 735.0  | 736.2  | 737.4  |
| 140°   | 742.4  | 747.1  | 751.7  | 754.6  | 755.6  | 756.6  | 757.6  | 758.5  |
| 142.5° | 764.8  | 768.7  | 772.7  | 775.0  | 775.8  | 776.4  | 777.2  | 778.0  |
| 145°   | 800.4  | 802.4  | 804.3  | 805.6  | 806.3  | 807.0  | 807.8  | 808.5  |
| 147.5° | 832.5  | 833.2  | 833.9  | 834.1  | 834.1  | 834.1  | 834.1  | 834.1  |
| 150°   | 854.4  | 855.0  | 855.5  | 855.5  | 855.0  | 854.4  | 853.8  | 853.3  |
| 152.5° | 876.7  | 877.4  | 878.1  | 878.1  | 877.4  | 876.7  | 876.0  | 875.2  |
| 155°   | 905.0  | 905.9  | 906.9  | 907.1  | 906.5  | 905.9  | 905.3  | 904.7  |
| 157.5° | 931.1  | 932.4  | 933.7  | 933.8  | 933.0  | 932.0  | 931.1  | 930.2  |
| 160°   | 946.6  | 947.7  | 948.9  | 949.1  | 948.3  | 947.5  | 946.8  | 946.0  |
| 162.5° | 960.6  | 961.9  | 963.2  | 963.5  | 962.5  | 961.6  | 960.7  | 959.8  |
| 165°   | 978.8  | 980.1  | 981.5  | 981.6  | 980.7  | 979.7  | 978.8  | 977.8  |
| 167.5° | 993.7  | 995.1  | 996.3  | 996.5  | 995.6  | 994.5  | 993.6  | 992.6  |
| 170°   | 1001.9 | 1003.3 | 1004.6 | 1004.7 | 1003.6 | 1002.5 | 1001.3 | 1000.1 |
| 172.5° | 1008.1 | 1009.5 | 1010.8 | 1010.9 | 1009.8 | 1008.7 | 1007.5 | 1006.3 |
| 175°   | 1014.9 | 1016.2 | 1017.5 | 1017.6 | 1016.5 | 1015.3 | 1014.2 | 1013.1 |
| 177.5° | 1018.0 | 1018.9 | 1019.8 | 1019.8 | 1018.9 | 1018.0 | 1017.0 | 1016.2 |
| 180°   | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 | 1018.2 |

(END OF REPORT)