

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: P333415-930

Luminaire Tested: **S125DIW-S850D1050U930-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333415-930  
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: S125DIW-S850D1050U930-4F0-1E-UDD-D1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

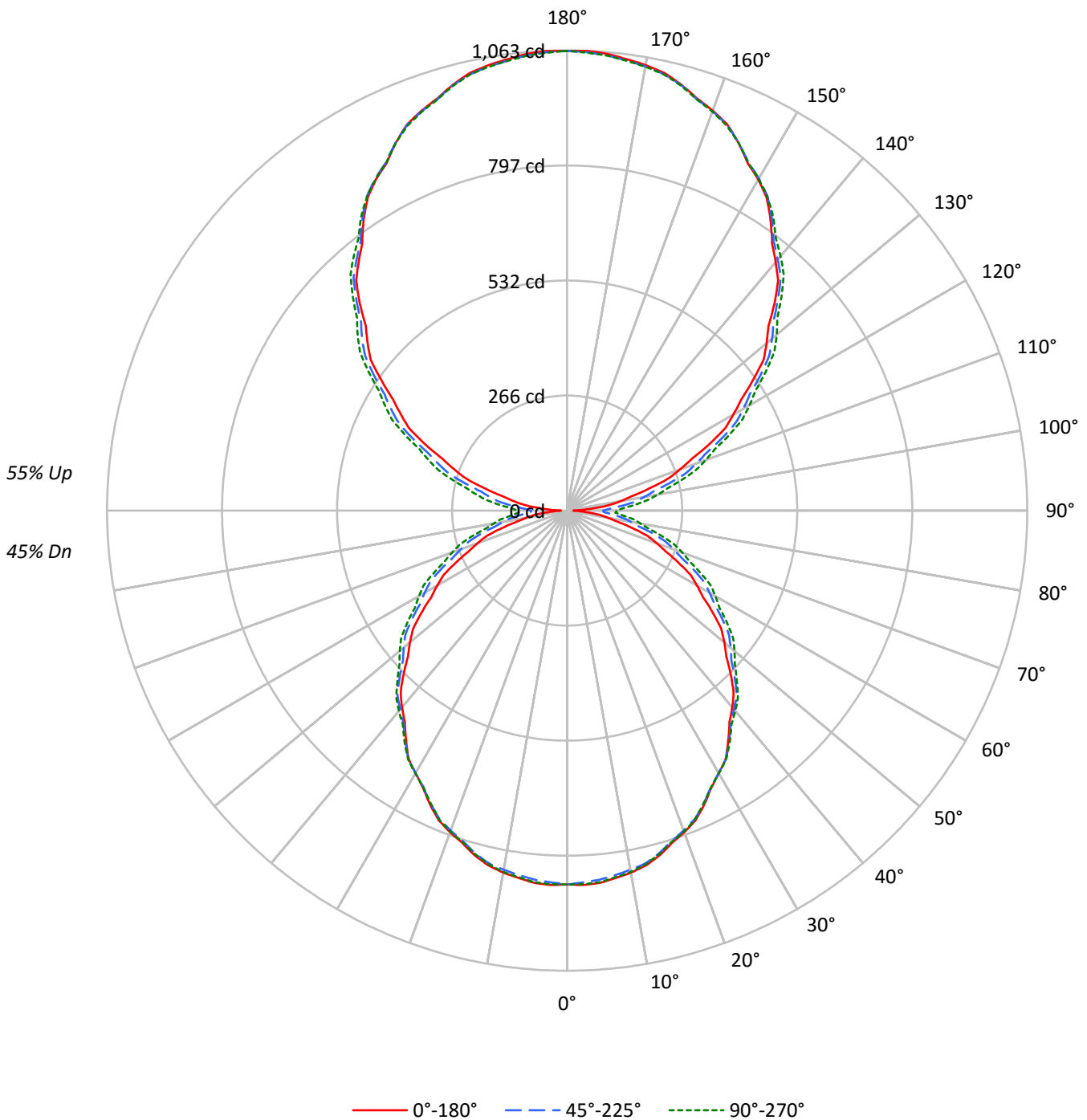
Lumens per Lamp: N/A  
Luminaire Lumens: 5639.6 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')  
CIE Type: General Diffuse  
  
Input Watts (W): 52.6  
Input Voltage (V): 120  
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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 45 |
| 1   | 96  | 91  | 87  | 83  | 88 | 84 | 80 | 77 | 69 | 67 | 65 | 56 | 54 | 53 | 44 | 43 | 42 | 36 |
| 2   | 87  | 79  | 73  | 68  | 79 | 73 | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 44 | 38 | 36 | 35 | 30 |
| 3   | 79  | 70  | 62  | 56  | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 40 | 37 | 34 | 31 | 29 | 25 |
| 4   | 72  | 61  | 53  | 47  | 66 | 56 | 49 | 44 | 47 | 42 | 37 | 38 | 34 | 31 | 30 | 27 | 25 | 21 |
| 5   | 66  | 55  | 46  | 40  | 60 | 50 | 43 | 37 | 42 | 36 | 32 | 34 | 30 | 27 | 27 | 24 | 22 | 18 |
| 6   | 61  | 49  | 41  | 35  | 56 | 45 | 38 | 32 | 38 | 32 | 28 | 31 | 27 | 23 | 24 | 21 | 19 | 16 |
| 7   | 56  | 44  | 36  | 30  | 51 | 41 | 33 | 28 | 34 | 29 | 24 | 28 | 24 | 21 | 22 | 19 | 17 | 14 |
| 8   | 52  | 40  | 32  | 27  | 48 | 37 | 30 | 25 | 31 | 26 | 22 | 26 | 21 | 18 | 20 | 17 | 15 | 13 |
| 9   | 49  | 36  | 29  | 24  | 44 | 34 | 27 | 22 | 28 | 23 | 19 | 24 | 19 | 16 | 19 | 16 | 14 | 11 |
| 10  | 45  | 33  | 26  | 21  | 41 | 31 | 24 | 20 | 26 | 21 | 17 | 22 | 18 | 15 | 18 | 14 | 12 | 10 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5577 | 5577 | 5577 |
| 5°  | 5589 | 5475 | 5492 |
| 10° | 5549 | 5377 | 5369 |
| 15° | 5484 | 5260 | 5212 |
| 20° | 5394 | 5115 | 5055 |
| 25° | 5288 | 4960 | 4863 |
| 30° | 5160 | 4791 | 4687 |
| 35° | 5040 | 4634 | 4526 |
| 40° | 4918 | 4469 | 4364 |
| 45° | 4780 | 4328 | 4221 |
| 50° | 4649 | 4175 | 4095 |
| 55° | 4491 | 4030 | 3946 |
| 60° | 4317 | 3865 | 3793 |
| 65° | 4137 | 3693 | 3622 |
| 70° | 3931 | 3457 | 3446 |
| 75° | 3607 | 3230 | 3231 |
| 80° | 3183 | 2957 | 2996 |
| 85° | 2789 | 2770 | 2923 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 81.7   | 1.4       |
| 10°-20°   | 231.8  | 4.1       |
| 20°-30°   | 344.8  | 6.1       |
| 30°-40°   | 408.4  | 7.2       |
| 40°-50°   | 422.2  | 7.5       |
| 50°-60°   | 389.0  | 6.9       |
| 60°-70°   | 314.4  | 5.6       |
| 70°-80°   | 210.6  | 3.7       |
| 80°-90°   | 111.5  | 2.0       |
| 90°-100°  | 132.4  | 2.3       |
| 100°-110° | 255.1  | 4.5       |
| 110°-120° | 385.9  | 6.8       |
| 120°-130° | 485.2  | 8.6       |
| 130°-140° | 531.9  | 9.4       |
| 140°-150° | 515.5  | 9.1       |
| 150°-160° | 431.7  | 7.7       |
| 160°-170° | 287.0  | 5.1       |
| 170°-180° | 100.4  | 1.8       |
| 0°-30°    | 658.3  | 11.7      |
| 0°-40°    | 1066.7 | 18.9      |
| 0°-60°    | 1877.9 | 33.3      |
| 0°-90°    | 2514.4 | 44.6      |
| 90°-120°  | 773.4  | 13.7      |
| 90°-150°  | 2306.1 | 40.9      |
| 90°-180°  | 3125.0 | 55.4      |
| 0°-180°   | 5639.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 864  | 864   | 864  | 864   | 864  |      |
| 5°   | 864  | 862   | 856  | 862   | 862  | 82   |
| 15°  | 825  | 825   | 820  | 824   | 821  | 232  |
| 25°  | 749  | 751   | 747  | 750   | 746  | 345  |
| 35°  | 649  | 654   | 652  | 654   | 654  | 406  |
| 45°  | 534  | 543   | 548  | 553   | 555  | 412  |
| 55°  | 411  | 424   | 438  | 447   | 450  | 367  |
| 65°  | 283  | 302   | 323  | 335   | 339  | 280  |
| 75°  | 156  | 178   | 205  | 221   | 226  | 165  |
| 85°  | 47   | 75    | 104  | 122   | 130  | 50   |
| 90°  | 14   | 48    | 83   | 105   | 115  | 12   |
| 95°  | 65   | 89    | 125  | 149   | 157  | 66   |
| 105° | 196  | 214   | 244  | 265   | 274  | 209  |
| 115° | 361  | 371   | 394  | 408   | 413  | 357  |
| 125° | 523  | 528   | 545  | 556   | 560  | 468  |
| 135° | 677  | 682   | 688  | 699   | 700  | 522  |
| 145° | 820  | 822   | 824  | 828   | 830  | 512  |
| 155° | 937  | 937   | 938  | 940   | 937  | 431  |
| 165° | 1019 | 1017  | 1018 | 1021  | 1016 | 287  |
| 175° | 1059 | 1056  | 1056 | 1060  | 1055 | 101  |
| 180° | 1062 | 1062  | 1062 | 1062  | 1062 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 |
| 2.5°   | 865.7 | 865.4 | 865.1 | 864.8 | 864.5 | 863.8 | 862.7 | 861.7 | 860.6 | 859.6 | 860.6 |
| 5°     | 863.6 | 863.3 | 862.9 | 862.5 | 862.2 | 861.3 | 860.0 | 858.7 | 857.4 | 856.1 | 857.5 |
| 7.5°   | 856.1 | 855.9 | 855.7 | 855.6 | 855.4 | 854.7 | 853.4 | 852.0 | 850.6 | 849.3 | 850.6 |
| 10°    | 849.3 | 849.3 | 849.3 | 849.3 | 849.3 | 848.6 | 847.0 | 845.5 | 844.0 | 842.5 | 843.8 |
| 12.5°  | 839.8 | 839.9 | 840.1 | 840.2 | 840.4 | 839.8 | 838.7 | 837.5 | 836.3 | 835.0 | 836.1 |
| 15°    | 824.8 | 824.9 | 825.1 | 825.2 | 825.5 | 824.9 | 823.6 | 822.3 | 820.9 | 819.6 | 820.8 |
| 17.5°  | 805.1 | 805.4 | 805.8 | 806.2 | 806.6 | 806.1 | 804.8 | 803.5 | 802.2 | 800.9 | 801.7 |
| 20°    | 790.8 | 791.2 | 791.6 | 792.0 | 792.4 | 791.9 | 790.6 | 789.3 | 787.9 | 786.6 | 787.2 |
| 22.5°  | 774.6 | 775.3 | 775.9 | 776.7 | 777.3 | 776.9 | 775.4 | 774.0 | 772.5 | 771.0 | 771.8 |
| 25°    | 749.3 | 749.9 | 750.5 | 751.1 | 751.6 | 751.3 | 750.2 | 749.1 | 748.0 | 746.8 | 747.5 |
| 27.5°  | 721.2 | 722.1 | 722.9 | 723.7 | 724.6 | 724.3 | 723.1 | 721.8 | 720.5 | 719.3 | 719.7 |
| 30°    | 700.3 | 701.4 | 702.5 | 703.6 | 704.7 | 704.7 | 703.6 | 702.5 | 701.4 | 700.3 | 700.7 |
| 32.5°  | 681.3 | 682.2 | 683.2 | 684.2 | 685.2 | 685.3 | 684.4 | 683.6 | 682.8 | 682.0 | 682.3 |
| 35°    | 648.6 | 650.0 | 651.3 | 652.6 | 653.9 | 654.3 | 653.7 | 653.1 | 652.6 | 652.0 | 652.6 |
| 37.5°  | 615.9 | 617.1 | 618.3 | 619.5 | 620.8 | 621.3 | 621.0 | 620.9 | 620.7 | 620.5 | 621.3 |
| 40°    | 593.5 | 595.1 | 596.6 | 598.1 | 599.6 | 600.2 | 600.1 | 599.9 | 599.7 | 599.5 | 600.2 |
| 42.5°  | 569.2 | 571.1 | 573.1 | 575.0 | 577.0 | 578.2 | 578.6 | 579.0 | 579.4 | 579.8 | 580.7 |
| 45°    | 534.3 | 536.4 | 538.4 | 540.5 | 542.6 | 544.0 | 545.0 | 545.9 | 546.9 | 547.8 | 549.2 |
| 47.5°  | 498.6 | 500.5 | 502.4 | 504.3 | 506.2 | 508.0 | 509.6 | 511.3 | 512.8 | 514.5 | 516.4 |
| 50°    | 474.2 | 476.2 | 478.3 | 480.4 | 482.4 | 484.5 | 486.6 | 488.7 | 490.7 | 492.8 | 494.9 |
| 52.5°  | 448.4 | 450.9 | 453.5 | 456.0 | 458.5 | 461.1 | 463.6 | 466.1 | 468.6 | 471.2 | 473.4 |
| 55°    | 410.7 | 413.7 | 416.7 | 419.7 | 422.7 | 425.7 | 428.8 | 431.8 | 434.7 | 437.7 | 439.9 |
| 57.5°  | 372.0 | 375.7 | 379.3 | 382.9 | 386.5 | 390.0 | 393.5 | 397.0 | 400.4 | 403.9 | 406.3 |
| 60°    | 346.3 | 350.1 | 353.8 | 357.6 | 361.3 | 365.2 | 368.9 | 372.7 | 376.4 | 380.2 | 383.0 |
| 62.5°  | 321.2 | 325.0 | 328.8 | 332.6 | 336.3 | 340.2 | 344.3 | 348.4 | 352.4 | 356.4 | 359.6 |
| 65°    | 282.8 | 287.1 | 291.5 | 295.8 | 300.1 | 304.5 | 309.1 | 313.6 | 318.1 | 322.6 | 325.5 |
| 67.5°  | 246.5 | 250.8 | 254.9 | 259.1 | 263.3 | 267.7 | 272.2 | 276.9 | 281.4 | 286.0 | 289.4 |
| 70°    | 220.1 | 224.5 | 228.8 | 233.2 | 237.5 | 242.1 | 247.0 | 251.8 | 256.7 | 261.6 | 265.2 |
| 72.5°  | 194.4 | 198.9 | 203.3 | 207.8 | 212.3 | 217.2 | 222.6 | 228.0 | 233.3 | 238.6 | 242.5 |
| 75°    | 155.8 | 160.7 | 165.6 | 170.5 | 175.4 | 180.8 | 186.9 | 192.9 | 198.9 | 204.9 | 208.6 |
| 77.5°  | 118.7 | 124.3 | 130.0 | 135.7 | 141.3 | 147.0 | 152.8 | 158.6 | 164.4 | 170.2 | 174.3 |
| 80°    | 95.7  | 101.3 | 107.0 | 112.6 | 118.3 | 124.3 | 130.7 | 137.1 | 143.5 | 149.9 | 154.0 |
| 82.5°  | 74.7  | 80.6  | 86.6  | 92.5  | 98.5  | 104.7 | 111.3 | 117.8 | 124.3 | 130.9 | 134.9 |
| 85°    | 46.6  | 52.7  | 59.0  | 65.2  | 71.4  | 77.8  | 84.4  | 91.0  | 97.6  | 104.1 | 108.3 |
| 87.5°  | 26.6  | 32.9  | 39.2  | 45.5  | 51.9  | 58.3  | 65.0  | 71.7  | 78.3  | 85.0  | 89.4  |
| 90°    | 14.3  | 21.9  | 29.4  | 36.9  | 44.4  | 51.9  | 59.6  | 67.3  | 75.0  | 82.7  | 87.9  |
| 92.5°  | 32.2  | 38.8  | 45.4  | 52.0  | 58.5  | 66.0  | 74.0  | 82.2  | 90.3  | 98.4  | 103.9 |
| 95°    | 64.7  | 70.0  | 75.3  | 80.5  | 85.8  | 92.5  | 100.7 | 108.9 | 117.2 | 125.4 | 130.9 |
| 97.5°  | 99.2  | 103.8 | 108.3 | 112.8 | 117.4 | 124.0 | 132.7 | 141.5 | 150.2 | 158.8 | 164.0 |
| 100°   | 125.0 | 128.9 | 132.9 | 136.8 | 140.8 | 146.9 | 155.4 | 163.8 | 172.2 | 180.6 | 186.2 |
| 102.5° | 152.7 | 157.1 | 161.5 | 165.8 | 170.2 | 176.0 | 183.0 | 190.1 | 197.2 | 204.3 | 209.9 |
| 105°   | 196.0 | 199.9 | 203.8 | 207.7 | 211.7 | 217.0 | 223.8 | 230.5 | 237.3 | 244.0 | 248.9 |
| 107.5° | 243.9 | 247.4 | 250.8 | 254.3 | 257.8 | 262.6 | 268.9 | 275.2 | 281.4 | 287.7 | 292.0 |
| 110°   | 276.9 | 280.1 | 283.2 | 286.4 | 289.6 | 294.1 | 299.9 | 305.7 | 311.5 | 317.4 | 321.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 311.3  | 313.6  | 315.8  | 318.1  | 320.4  | 324.4  | 330.3  | 336.1  | 341.9  | 347.7  | 351.4  |
| 115°   | 361.1  | 363.2  | 365.3  | 367.3  | 369.3  | 373.0  | 378.2  | 383.5  | 388.7  | 394.0  | 397.2  |
| 117.5° | 411.2  | 412.4  | 413.6  | 414.7  | 416.0  | 419.1  | 424.0  | 428.9  | 433.9  | 438.9  | 442.2  |
| 120°   | 442.9  | 444.4  | 445.9  | 447.4  | 448.8  | 451.8  | 456.3  | 460.8  | 465.4  | 469.9  | 473.0  |
| 122.5° | 476.6  | 477.2  | 477.8  | 478.3  | 479.0  | 481.6  | 486.2  | 490.9  | 495.5  | 500.2  | 503.1  |
| 125°   | 523.0  | 523.9  | 524.8  | 525.8  | 526.7  | 529.1  | 533.0  | 537.0  | 541.0  | 544.9  | 547.6  |
| 127.5° | 571.8  | 572.2  | 572.6  | 573.1  | 573.5  | 575.4  | 578.6  | 582.0  | 585.3  | 588.6  | 591.2  |
| 130°   | 601.4  | 602.2  | 602.9  | 603.6  | 604.4  | 606.3  | 609.3  | 612.3  | 615.2  | 618.2  | 620.7  |
| 132.5° | 630.6  | 632.0  | 633.5  | 635.0  | 636.4  | 638.1  | 640.1  | 642.0  | 644.0  | 646.0  | 648.4  |
| 135°   | 677.4  | 678.3  | 679.3  | 680.2  | 681.1  | 682.3  | 683.8  | 685.3  | 686.8  | 688.3  | 690.7  |
| 137.5° | 721.5  | 722.4  | 723.4  | 724.3  | 725.2  | 726.2  | 727.2  | 728.3  | 729.4  | 730.3  | 732.8  |
| 140°   | 749.3  | 750.2  | 751.1  | 752.0  | 753.0  | 753.8  | 754.6  | 755.3  | 756.0  | 756.8  | 759.2  |
| 142.5° | 777.7  | 778.4  | 778.9  | 779.6  | 780.2  | 780.9  | 781.6  | 782.4  | 783.1  | 783.8  | 785.8  |
| 145°   | 819.5  | 820.0  | 820.6  | 821.2  | 821.7  | 822.2  | 822.8  | 823.4  | 823.9  | 824.4  | 825.4  |
| 147.5° | 857.4  | 857.8  | 858.2  | 858.5  | 858.9  | 859.4  | 859.8  | 860.2  | 860.7  | 861.1  | 861.9  |
| 150°   | 883.1  | 883.0  | 882.7  | 882.6  | 882.4  | 882.6  | 883.4  | 884.1  | 884.8  | 885.6  | 885.6  |
| 152.5° | 904.2  | 904.5  | 904.7  | 905.1  | 905.3  | 905.6  | 905.9  | 906.1  | 906.4  | 906.8  | 907.2  |
| 155°   | 936.8  | 936.8  | 936.8  | 936.8  | 936.8  | 936.9  | 937.1  | 937.3  | 937.4  | 937.7  | 938.4  |
| 157.5° | 965.9  | 965.5  | 965.1  | 964.7  | 964.3  | 964.2  | 964.3  | 964.5  | 964.7  | 964.9  | 965.6  |
| 160°   | 983.1  | 982.5  | 981.9  | 981.5  | 980.9  | 980.7  | 980.9  | 981.0  | 981.2  | 981.5  | 982.2  |
| 162.5° | 998.3  | 997.8  | 997.4  | 997.0  | 996.6  | 996.5  | 996.5  | 996.5  | 996.6  | 996.6  | 997.5  |
| 165°   | 1018.6 | 1018.2 | 1017.8 | 1017.5 | 1017.1 | 1017.0 | 1017.2 | 1017.4 | 1017.6 | 1017.7 | 1018.5 |
| 167.5° | 1035.8 | 1035.0 | 1034.3 | 1033.6 | 1032.8 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1032.5 | 1033.6 |
| 170°   | 1045.1 | 1044.3 | 1043.6 | 1042.8 | 1042.1 | 1041.7 | 1041.7 | 1041.7 | 1041.7 | 1041.7 | 1042.8 |
| 172.5° | 1051.7 | 1050.9 | 1050.2 | 1049.5 | 1048.7 | 1048.3 | 1048.3 | 1048.3 | 1048.3 | 1048.3 | 1049.5 |
| 175°   | 1059.1 | 1058.3 | 1057.6 | 1056.9 | 1056.1 | 1055.7 | 1055.7 | 1055.7 | 1055.7 | 1055.7 | 1056.9 |
| 177.5° | 1062.9 | 1062.3 | 1061.7 | 1061.1 | 1060.5 | 1060.1 | 1060.0 | 1059.9 | 1059.7 | 1059.6 | 1060.5 |
| 180°   | 1061.5 | 1061.5 | 1061.5 | 1061.5 | 1061.5 | 1061.5 | 1061.5 | 1061.5 | 1061.5 | 1061.5 | 1061.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 |
| 2.5°   | 861.7 | 862.7 | 863.8 | 864.3 | 864.1 | 864.0 | 863.8 | 863.6 |
| 5°     | 859.1 | 860.5 | 862.1 | 862.7 | 862.5 | 862.3 | 862.2 | 862.0 |
| 7.5°   | 851.9 | 853.2 | 854.5 | 855.1 | 854.9 | 854.8 | 854.5 | 854.4 |
| 10°    | 845.1 | 846.4 | 847.7 | 848.3 | 848.2 | 848.0 | 847.7 | 847.6 |
| 12.5°  | 837.1 | 838.1 | 839.1 | 839.4 | 838.9 | 838.4 | 837.9 | 837.4 |
| 15°    | 821.9 | 823.0 | 824.2 | 824.3 | 823.6 | 822.8 | 822.1 | 821.3 |
| 17.5°  | 802.6 | 803.5 | 804.3 | 804.5 | 804.0 | 803.6 | 803.2 | 802.7 |
| 20°    | 787.7 | 788.3 | 788.9 | 789.1 | 789.1 | 789.1 | 789.1 | 789.1 |
| 22.5°  | 772.5 | 773.1 | 773.9 | 774.0 | 773.6 | 773.1 | 772.7 | 772.3 |
| 25°    | 748.4 | 749.1 | 749.8 | 749.7 | 748.8 | 747.9 | 746.9 | 746.0 |
| 27.5°  | 720.2 | 720.8 | 721.3 | 721.5 | 721.1 | 720.7 | 720.4 | 720.1 |
| 30°    | 701.0 | 701.4 | 701.7 | 701.9 | 701.6 | 701.5 | 701.3 | 701.1 |
| 32.5°  | 682.7 | 683.1 | 683.5 | 683.5 | 683.4 | 683.2 | 683.0 | 682.8 |
| 35°    | 653.1 | 653.7 | 654.3 | 654.5 | 654.5 | 654.5 | 654.5 | 654.5 |
| 37.5°  | 622.0 | 622.7 | 623.5 | 623.9 | 623.8 | 623.7 | 623.6 | 623.5 |
| 40°    | 601.0 | 601.8 | 602.5 | 603.1 | 603.4 | 603.8 | 604.2 | 604.5 |
| 42.5°  | 581.6 | 582.5 | 583.4 | 583.9 | 584.0 | 584.1 | 584.2 | 584.2 |
| 45°    | 550.5 | 551.8 | 553.1 | 553.8 | 554.1 | 554.2 | 554.4 | 554.6 |
| 47.5°  | 518.3 | 520.2 | 522.1 | 523.3 | 523.7 | 524.2 | 524.6 | 525.0 |
| 50°    | 496.9 | 499.0 | 501.1 | 502.4 | 503.0 | 503.5 | 504.1 | 504.7 |
| 52.5°  | 475.6 | 477.8 | 480.0 | 481.4 | 481.8 | 482.2 | 482.6 | 483.0 |
| 55°    | 441.9 | 444.0 | 446.1 | 447.4 | 448.2 | 449.0 | 449.7 | 450.5 |
| 57.5°  | 408.6 | 411.0 | 413.4 | 414.8 | 415.4 | 416.0 | 416.5 | 417.1 |
| 60°    | 385.8 | 388.7 | 391.5 | 393.1 | 393.7 | 394.3 | 394.8 | 395.4 |
| 62.5°  | 362.7 | 365.8 | 369.0 | 370.9 | 371.6 | 372.3 | 373.0 | 373.7 |
| 65°    | 328.2 | 331.1 | 333.9 | 335.7 | 336.5 | 337.2 | 337.9 | 338.7 |
| 67.5°  | 292.9 | 296.3 | 299.7 | 301.9 | 302.9 | 303.9 | 304.8 | 305.8 |
| 70°    | 268.8 | 272.4 | 276.0 | 278.3 | 279.4 | 280.5 | 281.7 | 282.8 |
| 72.5°  | 246.4 | 250.2 | 254.1 | 256.5 | 257.3 | 258.1 | 258.9 | 259.8 |
| 75°    | 212.5 | 216.2 | 220.0 | 222.3 | 223.2 | 224.2 | 225.1 | 226.1 |
| 77.5°  | 178.5 | 182.6 | 186.8 | 189.2 | 190.0 | 190.7 | 191.4 | 192.2 |
| 80°    | 158.2 | 162.3 | 166.4 | 168.8 | 169.7 | 170.4 | 171.1 | 171.9 |
| 82.5°  | 138.8 | 142.8 | 146.8 | 149.5 | 150.9 | 152.2 | 153.6 | 155.0 |
| 85°    | 112.4 | 116.6 | 120.7 | 123.5 | 125.1 | 126.5 | 128.1 | 129.6 |
| 87.5°  | 94.0  | 98.5  | 103.0 | 106.0 | 107.4 | 108.8 | 110.2 | 111.7 |
| 90°    | 93.1  | 98.4  | 103.6 | 107.2 | 109.1 | 111.0 | 112.8 | 114.6 |
| 92.5°  | 109.3 | 114.6 | 120.0 | 123.5 | 125.3 | 127.0 | 128.7 | 130.4 |
| 95°    | 136.2 | 141.7 | 147.2 | 150.7 | 152.4 | 154.0 | 155.7 | 157.4 |
| 97.5°  | 169.2 | 174.3 | 179.5 | 182.9 | 184.3 | 185.8 | 187.4 | 188.8 |
| 100°   | 191.8 | 197.4 | 203.0 | 206.5 | 208.1 | 209.5 | 211.0 | 212.5 |
| 102.5° | 215.5 | 221.1 | 226.7 | 230.3 | 232.0 | 233.6 | 235.3 | 236.9 |
| 105°   | 253.7 | 258.6 | 263.5 | 266.8 | 268.7 | 270.6 | 272.5 | 274.3 |
| 107.5° | 296.3 | 300.5 | 304.8 | 307.5 | 308.7 | 309.7 | 310.9 | 312.0 |
| 110°   | 325.6 | 329.7 | 333.9 | 336.5 | 337.6 | 338.8 | 339.9 | 341.0 |





TEST NUMBER: P333415-930

CATALOG NUMBER: S125DIW-S850D1050U930-4F0-1E-UDD-D1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 355.1  | 358.7  | 362.4  | 364.8  | 365.7  | 366.7  | 367.7  | 368.7  |
| 115°   | 400.5  | 403.7  | 406.8  | 409.0  | 409.9  | 410.8  | 411.7  | 412.7  |
| 117.5° | 445.6  | 448.9  | 452.2  | 454.2  | 454.8  | 455.3  | 455.8  | 456.4  |
| 120°   | 476.3  | 479.5  | 482.7  | 484.5  | 484.9  | 485.3  | 485.7  | 486.1  |
| 122.5° | 506.0  | 508.9  | 511.8  | 513.6  | 514.0  | 514.6  | 515.2  | 515.7  |
| 125°   | 550.2  | 552.8  | 555.5  | 557.2  | 557.9  | 558.6  | 559.5  | 560.2  |
| 127.5° | 593.8  | 596.4  | 599.0  | 600.6  | 601.4  | 602.1  | 602.8  | 603.6  |
| 130°   | 623.1  | 625.6  | 628.0  | 629.6  | 630.1  | 630.7  | 631.3  | 631.9  |
| 132.5° | 650.9  | 653.3  | 655.7  | 657.1  | 657.4  | 657.7  | 657.9  | 658.2  |
| 135°   | 693.2  | 695.6  | 698.1  | 699.4  | 699.6  | 699.9  | 700.0  | 700.3  |
| 137.5° | 735.2  | 737.7  | 740.1  | 741.3  | 741.1  | 740.9  | 740.8  | 740.6  |
| 140°   | 761.7  | 764.1  | 766.5  | 767.6  | 767.4  | 767.3  | 767.1  | 767.0  |
| 142.5° | 787.8  | 789.8  | 791.8  | 792.7  | 792.6  | 792.4  | 792.2  | 792.1  |
| 145°   | 826.3  | 827.3  | 828.2  | 828.8  | 829.0  | 829.2  | 829.4  | 829.6  |
| 147.5° | 862.6  | 863.4  | 864.1  | 864.1  | 863.1  | 862.2  | 861.3  | 860.4  |
| 150°   | 885.6  | 885.6  | 885.6  | 885.5  | 885.3  | 885.2  | 884.9  | 884.8  |
| 152.5° | 907.6  | 908.1  | 908.5  | 908.4  | 907.8  | 907.2  | 906.5  | 905.9  |
| 155°   | 939.1  | 939.9  | 940.6  | 940.4  | 939.6  | 938.7  | 937.8  | 936.8  |
| 157.5° | 966.4  | 967.1  | 967.8  | 967.6  | 966.4  | 965.2  | 963.9  | 962.8  |
| 160°   | 982.9  | 983.7  | 984.4  | 984.2  | 983.3  | 982.4  | 981.5  | 980.6  |
| 162.5° | 998.4  | 999.2  | 1000.1 | 1000.0 | 999.0  | 997.9  | 996.9  | 995.8  |
| 165°   | 1019.2 | 1019.9 | 1020.7 | 1020.5 | 1019.5 | 1018.3 | 1017.2 | 1016.1 |
| 167.5° | 1034.7 | 1035.8 | 1036.9 | 1036.9 | 1035.8 | 1034.6 | 1033.5 | 1032.3 |
| 170°   | 1043.9 | 1045.1 | 1046.1 | 1046.0 | 1044.7 | 1043.5 | 1042.2 | 1040.9 |
| 172.5° | 1050.5 | 1051.7 | 1052.7 | 1052.7 | 1051.6 | 1050.4 | 1049.3 | 1048.1 |
| 175°   | 1057.9 | 1059.1 | 1060.2 | 1060.1 | 1058.8 | 1057.5 | 1056.2 | 1054.9 |
| 177.5° | 1061.4 | 1062.3 | 1063.1 | 1063.0 | 1062.0 | 1060.9 | 1060.0 | 1058.9 |
| 180°   | 1061.5 | 1061.5 | 1061.5 | 1061.5 | 1061.5 | 1061.5 | 1061.5 | 1061.5 |

(END OF REPORT)