

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: P333375-830

Luminaire Tested: **S125DIW-S610D470U830-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333375-830  
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: S125DIW-S610D470U830-4F0-1E-UDD-F1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3888.5 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Semi-Direct

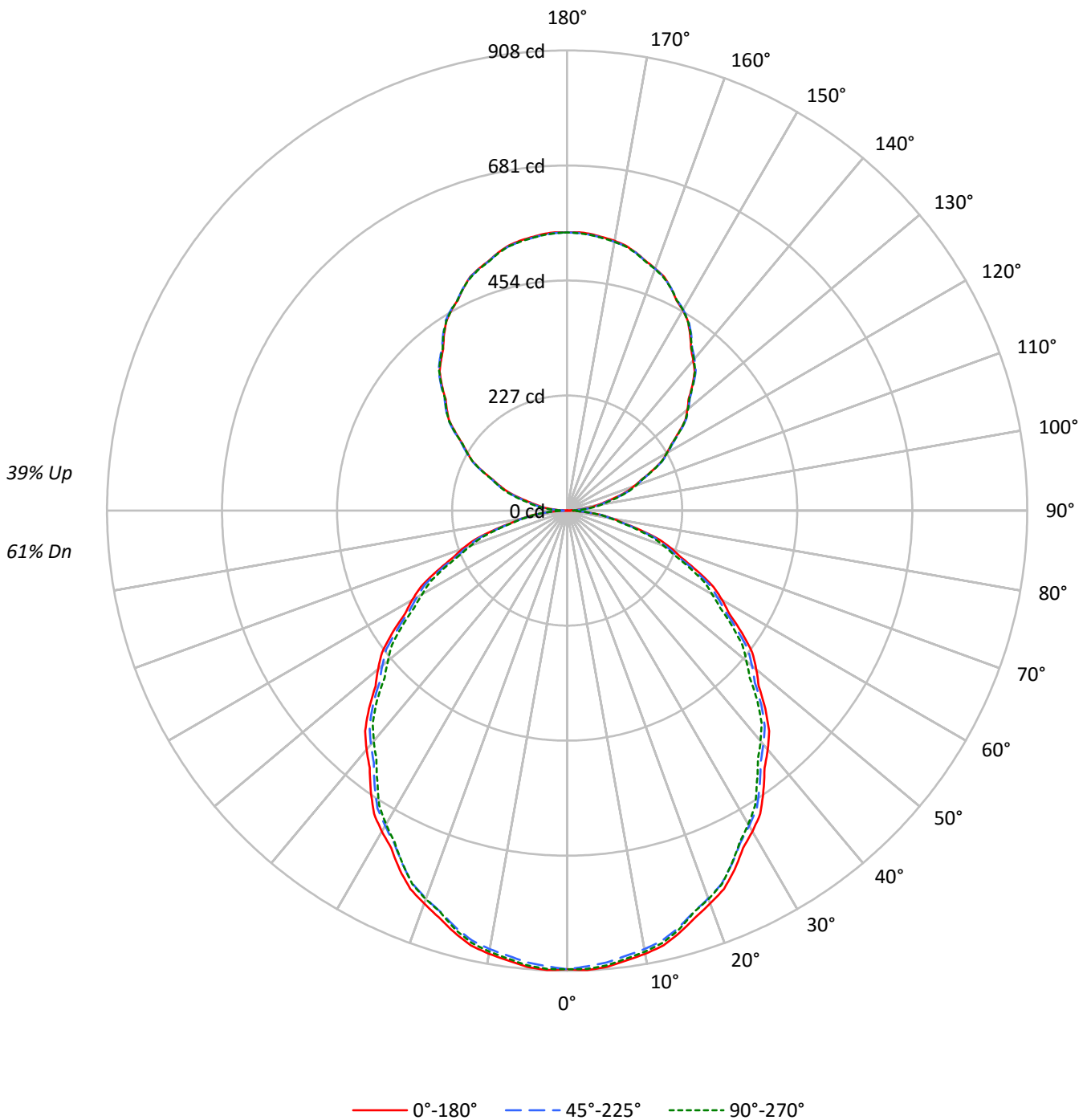
Input Watts (W): 30.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333375-830

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### Luminous Intensity Polar Plot





TEST NUMBER: P333375-830

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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   | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 89 | 89 | 89 | 77 | 77 | 77 | 66 | 66 | 66 | 61 |
| 1   | 100 | 96  | 92  | 88  | 93  | 90  | 86  | 83  | 78 | 76 | 73 | 68 | 66 | 64 | 58 | 57 | 55 | 51 |
| 2   | 91  | 83  | 77  | 72  | 85  | 78  | 73  | 68  | 68 | 64 | 61 | 59 | 56 | 53 | 51 | 49 | 47 | 43 |
| 3   | 83  | 73  | 66  | 60  | 77  | 69  | 62  | 57  | 60 | 55 | 51 | 53 | 49 | 45 | 45 | 42 | 40 | 36 |
| 4   | 76  | 65  | 57  | 51  | 71  | 61  | 54  | 48  | 54 | 48 | 43 | 47 | 42 | 39 | 40 | 37 | 34 | 31 |
| 5   | 70  | 58  | 50  | 44  | 65  | 55  | 47  | 41  | 48 | 42 | 37 | 42 | 37 | 34 | 36 | 33 | 30 | 27 |
| 6   | 64  | 52  | 44  | 38  | 60  | 49  | 42  | 36  | 43 | 37 | 33 | 38 | 33 | 29 | 33 | 29 | 26 | 24 |
| 7   | 60  | 47  | 39  | 33  | 56  | 44  | 37  | 32  | 39 | 33 | 29 | 35 | 30 | 26 | 30 | 26 | 23 | 21 |
| 8   | 55  | 43  | 35  | 29  | 52  | 40  | 33  | 28  | 36 | 30 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 19 |
| 9   | 52  | 39  | 31  | 26  | 48  | 37  | 30  | 25  | 33 | 27 | 23 | 29 | 24 | 21 | 26 | 22 | 19 | 17 |
| 10  | 48  | 36  | 29  | 24  | 45  | 34  | 27  | 23  | 30 | 25 | 21 | 27 | 22 | 19 | 24 | 20 | 17 | 15 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5846 | 5846 | 5846 |
| 5°  | 5859 | 5803 | 5841 |
| 10° | 5823 | 5762 | 5795 |
| 15° | 5760 | 5693 | 5717 |
| 20° | 5670 | 5597 | 5606 |
| 25° | 5573 | 5481 | 5476 |
| 30° | 5452 | 5357 | 5330 |
| 35° | 5324 | 5222 | 5149 |
| 40° | 5193 | 5078 | 5005 |
| 45° | 5050 | 4945 | 4847 |
| 50° | 4893 | 4786 | 4641 |
| 55° | 4741 | 4604 | 4476 |
| 60° | 4561 | 4421 | 4265 |
| 65° | 4345 | 4202 | 4060 |
| 70° | 4137 | 3950 | 3814 |
| 75° | 3770 | 3646 | 3521 |
| 80° | 3355 | 3303 | 3221 |
| 85° | 2920 | 2971 | 2816 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 85.3   | 2.2       |
| 10°-20°   | 241.1  | 6.2       |
| 20°-30°   | 356.0  | 9.2       |
| 30°-40°   | 415.4  | 10.7      |
| 40°-50°   | 417.2  | 10.7      |
| 50°-60°   | 366.2  | 9.4       |
| 60°-70°   | 272.9  | 7.0       |
| 70°-80°   | 156.0  | 4.0       |
| 80°-90°   | 46.6   | 1.2       |
| 90°-100°  | 36.8   | 0.9       |
| 100°-110° | 108.6  | 2.8       |
| 110°-120° | 183.9  | 4.7       |
| 120°-130° | 242.0  | 6.2       |
| 130°-140° | 271.2  | 7.0       |
| 140°-150° | 265.8  | 6.8       |
| 150°-160° | 223.2  | 5.7       |
| 160°-170° | 148.4  | 3.8       |
| 170°-180° | 51.9   | 1.3       |
| 0°-30°    | 682.4  | 17.5      |
| 0°-40°    | 1097.8 | 28.2      |
| 0°-60°    | 1881.2 | 48.4      |
| 0°-90°    | 2356.6 | 60.6      |
| 90°-120°  | 329.3  | 8.5       |
| 90°-150°  | 1108.3 | 28.5      |
| 90°-180°  | 1532.0 | 39.4      |
| 0°-180°   | 3888.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 905 | 905   | 905 | 905   | 905 |      |
| 5°   | 904 | 902   | 895 | 901   | 901 | 86   |
| 15°  | 862 | 859   | 852 | 855   | 855 | 243  |
| 25°  | 782 | 778   | 769 | 770   | 768 | 360  |
| 35°  | 675 | 672   | 662 | 659   | 653 | 422  |
| 45°  | 553 | 550   | 541 | 533   | 531 | 426  |
| 55°  | 421 | 418   | 409 | 403   | 398 | 376  |
| 65°  | 284 | 282   | 275 | 269   | 266 | 282  |
| 75°  | 151 | 150   | 146 | 144   | 141 | 161  |
| 85°  | 39  | 40    | 40  | 39    | 38  | 44   |
| 90°  | 0   | 4     | 7   | 9     | 10  | 4    |
| 95°  | 28  | 29    | 33  | 36    | 37  | 30   |
| 105° | 97  | 100   | 102 | 105   | 106 | 104  |
| 115° | 184 | 186   | 187 | 186   | 186 | 182  |
| 125° | 269 | 271   | 272 | 271   | 270 | 241  |
| 135° | 349 | 352   | 352 | 352   | 351 | 269  |
| 145° | 423 | 425   | 426 | 426   | 425 | 265  |
| 155° | 484 | 484   | 485 | 486   | 484 | 223  |
| 165° | 527 | 526   | 526 | 528   | 526 | 149  |
| 175° | 548 | 546   | 546 | 548   | 546 | 52   |
| 180° | 549 | 549   | 549 | 549   | 549 |      |



TEST NUMBER: P333375-830

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 905.2 | 905.2 | 905.2 | 905.2 | 905.2 | 905.2 | 905.2 | 905.2 | 905.2 | 905.2 | 905.2 |
| 2.5°   | 907.5 | 907.1 | 906.7 | 906.3 | 906.0 | 905.1 | 903.9 | 902.6 | 901.4 | 900.0 | 901.4 |
| 5°     | 903.8 | 903.4 | 903.1 | 902.8 | 902.5 | 901.5 | 899.9 | 898.3 | 896.7 | 895.1 | 896.6 |
| 7.5°   | 895.4 | 895.1 | 894.8 | 894.5 | 894.2 | 893.2 | 891.4 | 889.7 | 887.9 | 886.2 | 887.5 |
| 10°    | 888.0 | 887.7 | 887.4 | 887.0 | 886.7 | 885.7 | 883.9 | 882.2 | 880.4 | 878.7 | 880.0 |
| 12.5°  | 878.8 | 878.3 | 877.7 | 877.1 | 876.6 | 875.4 | 873.8 | 872.2 | 870.5 | 868.9 | 870.0 |
| 15°    | 861.5 | 861.0 | 860.5 | 860.1 | 859.6 | 858.5 | 856.8 | 855.0 | 853.2 | 851.5 | 852.2 |
| 17.5°  | 841.6 | 840.9 | 840.2 | 839.5 | 838.8 | 837.5 | 835.8 | 833.9 | 832.1 | 830.3 | 831.2 |
| 20°    | 825.0 | 824.6 | 824.3 | 824.1 | 823.7 | 822.6 | 820.5 | 818.4 | 816.3 | 814.3 | 815.4 |
| 22.5°  | 808.3 | 807.8 | 807.2 | 806.6 | 806.1 | 804.8 | 802.9 | 801.0 | 799.0 | 797.0 | 797.8 |
| 25°    | 782.0 | 781.2 | 780.4 | 779.7 | 778.8 | 777.4 | 775.3 | 773.3 | 771.2 | 769.1 | 769.5 |
| 27.5°  | 751.2 | 750.7 | 750.3 | 749.8 | 749.3 | 748.0 | 745.8 | 743.8 | 741.6 | 739.5 | 739.5 |
| 30°    | 731.1 | 730.7 | 730.2 | 729.7 | 729.2 | 727.8 | 725.5 | 723.0 | 720.7 | 718.3 | 717.9 |
| 32.5°  | 709.4 | 708.7 | 707.9 | 707.2 | 706.4 | 705.0 | 702.9 | 700.8 | 698.6 | 696.5 | 696.0 |
| 35°    | 675.3 | 674.7 | 674.0 | 673.4 | 672.8 | 671.4 | 669.1 | 666.8 | 664.7 | 662.4 | 661.7 |
| 37.5°  | 639.9 | 639.1 | 638.4 | 637.5 | 636.8 | 635.3 | 633.2 | 631.1 | 629.0 | 626.9 | 625.8 |
| 40°    | 615.9 | 615.1 | 614.3 | 613.5 | 612.7 | 611.1 | 609.0 | 606.7 | 604.5 | 602.3 | 600.9 |
| 42.5°  | 590.1 | 589.5 | 588.7 | 588.1 | 587.4 | 586.0 | 583.7 | 581.5 | 579.3 | 577.0 | 575.8 |
| 45°    | 552.9 | 552.2 | 551.6 | 550.9 | 550.4 | 549.0 | 547.1 | 545.3 | 543.3 | 541.4 | 539.5 |
| 47.5°  | 512.7 | 512.7 | 512.8 | 512.8 | 512.8 | 511.7 | 509.4 | 507.2 | 504.9 | 502.6 | 500.7 |
| 50°    | 487.0 | 486.4 | 486.0 | 485.5 | 485.0 | 483.9 | 481.9 | 480.0 | 478.2 | 476.3 | 474.2 |
| 52.5°  | 460.6 | 460.2 | 460.0 | 459.6 | 459.2 | 458.0 | 456.0 | 453.9 | 451.9 | 449.9 | 448.1 |
| 55°    | 421.1 | 420.6 | 420.1 | 419.6 | 419.1 | 417.8 | 415.6 | 413.4 | 411.1 | 408.9 | 407.5 |
| 57.5°  | 379.4 | 379.2 | 378.9 | 378.6 | 378.4 | 377.3 | 375.4 | 373.5 | 371.6 | 369.9 | 368.0 |
| 60°    | 353.1 | 352.4 | 351.8 | 351.1 | 350.5 | 349.3 | 347.6 | 345.8 | 344.0 | 342.3 | 340.7 |
| 62.5°  | 325.6 | 325.1 | 324.5 | 324.0 | 323.5 | 322.5 | 321.0 | 319.5 | 318.0 | 316.5 | 314.8 |
| 65°    | 284.3 | 284.0 | 283.7 | 283.3 | 283.0 | 282.0 | 280.2 | 278.5 | 276.7 | 275.0 | 273.5 |
| 67.5°  | 244.3 | 243.6 | 243.0 | 242.3 | 241.7 | 240.7 | 239.4 | 238.1 | 236.8 | 235.4 | 234.2 |
| 70°    | 219.1 | 218.4 | 217.5 | 216.8 | 215.9 | 214.8 | 213.4 | 212.0 | 210.6 | 209.2 | 208.1 |
| 72.5°  | 191.6 | 191.1 | 190.6 | 190.0 | 189.5 | 188.7 | 187.8 | 186.9 | 186.0 | 185.0 | 184.0 |
| 75°    | 151.1 | 150.8 | 150.4 | 150.1 | 149.9 | 149.3 | 148.5 | 147.7 | 146.8 | 146.1 | 145.6 |
| 77.5°  | 113.8 | 113.6 | 113.5 | 113.3 | 113.2 | 112.9 | 112.4 | 112.1 | 111.6 | 111.1 | 110.8 |
| 80°    | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.1  | 89.7  | 89.4  | 89.2  | 88.8  | 88.6  |
| 82.5°  | 69.7  | 69.4  | 69.1  | 68.8  | 68.6  | 68.4  | 68.3  | 68.3  | 68.2  | 68.1  | 67.9  |
| 85°    | 39.4  | 39.6  | 39.7  | 39.9  | 40.1  | 40.1  | 40.1  | 40.1  | 40.1  | 40.1  | 40.0  |
| 87.5°  | 15.6  | 15.7  | 15.8  | 16.0  | 16.1  | 16.2  | 16.2  | 16.2  | 16.2  | 16.3  | 16.4  |
| 90°    | 0.5   | 1.2   | 2.0   | 2.7   | 3.5   | 4.1   | 4.8   | 5.5   | 6.1   | 6.9   | 7.4   |
| 92.5°  | 10.4  | 10.8  | 11.4  | 12.0  | 12.4  | 13.1  | 13.9  | 14.8  | 15.6  | 16.4  | 17.1  |
| 95°    | 27.8  | 28.0  | 28.2  | 28.4  | 28.6  | 29.1  | 30.1  | 31.0  | 32.0  | 32.9  | 33.6  |
| 97.5°  | 46.1  | 46.2  | 46.3  | 46.4  | 46.5  | 47.1  | 48.4  | 49.8  | 51.1  | 52.4  | 53.0  |
| 100°   | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 60.4  | 61.6  | 62.9  | 64.1  | 65.3  | 66.3  |
| 102.5° | 74.5  | 74.8  | 75.3  | 75.7  | 76.1  | 76.5  | 77.2  | 77.8  | 78.4  | 79.0  | 79.9  |
| 105°   | 97.4  | 97.8  | 98.3  | 98.8  | 99.3  | 99.8  | 100.4 | 100.9 | 101.5 | 102.1 | 102.6 |
| 107.5° | 122.7 | 123.2 | 123.7 | 124.1 | 124.6 | 125.1 | 125.5 | 125.9 | 126.4 | 126.8 | 127.1 |
| 110°   | 140.2 | 140.6 | 141.1 | 141.6 | 142.0 | 142.4 | 142.7 | 143.0 | 143.3 | 143.5 | 143.8 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 157.9 | 158.2 | 158.3 | 158.6 | 158.9 | 159.2 | 159.6 | 159.9 | 160.2 | 160.6 | 160.8 |
| 115°   | 184.1 | 184.5 | 184.9 | 185.3 | 185.7 | 186.0 | 186.2 | 186.3 | 186.5 | 186.7 | 186.6 |
| 117.5° | 210.5 | 210.6 | 210.8 | 210.9 | 211.1 | 211.3 | 211.5 | 211.6 | 211.8 | 212.0 | 212.1 |
| 120°   | 226.9 | 227.3 | 227.8 | 228.3 | 228.8 | 229.0 | 229.1 | 229.2 | 229.3 | 229.4 | 229.4 |
| 122.5° | 244.6 | 244.8 | 245.0 | 245.2 | 245.2 | 245.5 | 245.7 | 246.0 | 246.3 | 246.5 | 246.4 |
| 125°   | 268.7 | 269.3 | 269.8 | 270.4 | 271.0 | 271.4 | 271.5 | 271.5 | 271.6 | 271.7 | 271.5 |
| 127.5° | 294.4 | 294.6 | 295.0 | 295.3 | 295.7 | 295.9 | 296.0 | 296.1 | 296.1 | 296.3 | 296.2 |
| 130°   | 309.7 | 310.2 | 310.7 | 311.1 | 311.6 | 312.0 | 312.2 | 312.4 | 312.5 | 312.7 | 312.6 |
| 132.5° | 325.1 | 325.8 | 326.7 | 327.4 | 328.2 | 328.6 | 328.6 | 328.5 | 328.5 | 328.4 | 328.3 |
| 135°   | 349.4 | 350.1 | 350.6 | 351.2 | 351.8 | 352.0 | 352.1 | 352.2 | 352.3 | 352.4 | 352.4 |
| 137.5° | 372.3 | 372.9 | 373.4 | 374.0 | 374.6 | 374.9 | 375.1 | 375.3 | 375.5 | 375.8 | 375.9 |
| 140°   | 387.0 | 387.5 | 388.0 | 388.4 | 388.9 | 389.4 | 389.6 | 389.9 | 390.2 | 390.5 | 390.7 |
| 142.5° | 401.7 | 402.1 | 402.6 | 402.9 | 403.3 | 403.7 | 404.1 | 404.4 | 404.8 | 405.2 | 405.3 |
| 145°   | 423.4 | 423.8 | 424.1 | 424.5 | 424.9 | 425.2 | 425.5 | 425.7 | 426.0 | 426.3 | 426.3 |
| 147.5° | 443.4 | 443.6 | 443.7 | 443.9 | 444.2 | 444.4 | 444.6 | 444.9 | 445.1 | 445.4 | 445.5 |
| 150°   | 456.7 | 456.6 | 456.5 | 456.4 | 456.3 | 456.5 | 456.9 | 457.2 | 457.6 | 458.0 | 458.0 |
| 152.5° | 467.6 | 467.8 | 467.9 | 468.0 | 468.2 | 468.3 | 468.4 | 468.6 | 468.7 | 468.9 | 469.1 |
| 155°   | 484.5 | 484.5 | 484.5 | 484.5 | 484.5 | 484.5 | 484.6 | 484.7 | 484.7 | 484.8 | 485.2 |
| 157.5° | 499.5 | 499.3 | 499.1 | 498.9 | 498.6 | 498.6 | 498.7 | 498.8 | 498.9 | 499.0 | 499.4 |
| 160°   | 508.4 | 508.1 | 507.7 | 507.5 | 507.2 | 507.1 | 507.2 | 507.3 | 507.4 | 507.5 | 507.9 |
| 162.5° | 516.2 | 516.0 | 515.9 | 515.6 | 515.4 | 515.3 | 515.3 | 515.3 | 515.4 | 515.4 | 515.9 |
| 165°   | 526.7 | 526.5 | 526.3 | 526.1 | 525.9 | 525.9 | 526.0 | 526.1 | 526.2 | 526.3 | 526.7 |
| 167.5° | 535.6 | 535.3 | 534.9 | 534.5 | 534.1 | 534.0 | 534.0 | 534.0 | 534.0 | 534.0 | 534.5 |
| 170°   | 540.4 | 540.0 | 539.6 | 539.2 | 538.9 | 538.7 | 538.7 | 538.7 | 538.7 | 538.7 | 539.2 |
| 172.5° | 543.8 | 543.5 | 543.1 | 542.7 | 542.3 | 542.2 | 542.2 | 542.2 | 542.2 | 542.2 | 542.7 |
| 175°   | 547.7 | 547.2 | 546.9 | 546.5 | 546.1 | 545.9 | 545.9 | 545.9 | 545.9 | 545.9 | 546.5 |
| 177.5° | 549.6 | 549.3 | 549.0 | 548.7 | 548.4 | 548.2 | 548.2 | 548.1 | 548.0 | 547.9 | 548.4 |
| 180°   | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 905.2 | 905.2 | 905.2 | 905.2 | 905.2 | 905.2 | 905.2 | 905.2 |
| 2.5°   | 902.6 | 903.9 | 905.1 | 905.7 | 905.6 | 905.4 | 905.3 | 905.2 |
| 5°     | 898.1 | 899.5 | 900.9 | 901.5 | 901.4 | 901.3 | 901.1 | 900.9 |
| 7.5°   | 888.9 | 890.3 | 891.7 | 892.4 | 892.2 | 892.0 | 891.9 | 891.7 |
| 10°    | 881.3 | 882.5 | 883.8 | 884.4 | 884.2 | 884.0 | 883.8 | 883.7 |
| 12.5°  | 871.0 | 872.0 | 873.0 | 873.5 | 873.5 | 873.5 | 873.5 | 873.4 |
| 15°    | 853.1 | 853.8 | 854.7 | 855.1 | 855.1 | 855.1 | 855.1 | 855.1 |
| 17.5°  | 832.3 | 833.2 | 834.2 | 834.3 | 833.5 | 832.7 | 832.0 | 831.1 |
| 20°    | 816.4 | 817.6 | 818.7 | 818.9 | 818.0 | 817.3 | 816.4 | 815.7 |
| 22.5°  | 798.5 | 799.3 | 800.0 | 800.1 | 799.6 | 799.0 | 798.4 | 798.0 |
| 25°    | 769.8 | 770.1 | 770.4 | 770.3 | 769.9 | 769.4 | 768.9 | 768.5 |
| 27.5°  | 739.6 | 739.7 | 739.7 | 739.5 | 739.0 | 738.6 | 738.1 | 737.6 |
| 30°    | 717.7 | 717.4 | 717.0 | 716.6 | 716.1 | 715.7 | 715.2 | 714.7 |
| 32.5°  | 695.4 | 694.7 | 694.2 | 693.5 | 692.7 | 691.8 | 690.9 | 690.0 |
| 35°    | 660.8 | 660.1 | 659.2 | 658.2 | 657.0 | 655.6 | 654.4 | 653.1 |
| 37.5°  | 624.5 | 623.4 | 622.2 | 621.2 | 620.5 | 619.8 | 619.1 | 618.3 |
| 40°    | 599.4 | 597.9 | 596.5 | 595.6 | 595.1 | 594.7 | 594.2 | 593.7 |
| 42.5°  | 574.5 | 573.2 | 571.8 | 570.8 | 570.0 | 569.4 | 568.6 | 567.9 |
| 45°    | 537.5 | 535.6 | 533.8 | 532.5 | 532.1 | 531.6 | 531.1 | 530.7 |
| 47.5°  | 498.7 | 496.7 | 494.8 | 493.3 | 492.2 | 491.1 | 489.9 | 488.8 |
| 50°    | 472.1 | 470.0 | 468.0 | 466.4 | 465.2 | 464.1 | 463.0 | 461.9 |
| 52.5°  | 446.2 | 444.4 | 442.6 | 441.1 | 439.9 | 438.6 | 437.3 | 436.1 |
| 55°    | 406.0 | 404.6 | 403.2 | 401.9 | 400.8 | 399.6 | 398.6 | 397.5 |
| 57.5°  | 366.1 | 364.3 | 362.4 | 361.2 | 360.6 | 360.0 | 359.4 | 358.8 |
| 60°    | 339.1 | 337.5 | 335.9 | 334.6 | 333.5 | 332.3 | 331.2 | 330.2 |
| 62.5°  | 313.1 | 311.4 | 309.6 | 308.4 | 307.6 | 306.6 | 305.8 | 304.9 |
| 65°    | 272.1 | 270.7 | 269.3 | 268.2 | 267.6 | 266.9 | 266.4 | 265.7 |
| 67.5°  | 233.1 | 231.9 | 230.6 | 229.8 | 229.4 | 229.0 | 228.7 | 228.3 |
| 70°    | 207.2 | 206.2 | 205.3 | 204.5 | 203.9 | 203.2 | 202.6 | 202.0 |
| 72.5°  | 182.9 | 181.8 | 180.7 | 179.8 | 179.2 | 178.6 | 178.0 | 177.3 |
| 75°    | 145.2 | 144.7 | 144.2 | 143.6 | 143.0 | 142.3 | 141.8 | 141.1 |
| 77.5°  | 110.6 | 110.3 | 110.0 | 109.6 | 109.1 | 108.8 | 108.3 | 107.8 |
| 80°    | 88.5  | 88.3  | 88.1  | 87.9  | 87.6  | 87.3  | 87.0  | 86.6  |
| 82.5°  | 67.6  | 67.3  | 67.0  | 66.8  | 66.8  | 66.7  | 66.6  | 66.6  |
| 85°    | 39.8  | 39.6  | 39.5  | 39.2  | 38.9  | 38.5  | 38.3  | 38.0  |
| 87.5°  | 16.5  | 16.6  | 16.7  | 16.6  | 16.4  | 16.2  | 16.0  | 15.8  |
| 90°    | 7.8   | 8.3   | 8.8   | 9.1   | 9.4   | 9.7   | 10.0  | 10.3  |
| 92.5°  | 17.6  | 18.3  | 18.9  | 19.3  | 19.5  | 19.7  | 20.0  | 20.2  |
| 95°    | 34.2  | 34.9  | 35.5  | 36.0  | 36.2  | 36.4  | 36.6  | 36.8  |
| 97.5°  | 53.6  | 54.3  | 54.9  | 55.2  | 55.3  | 55.5  | 55.6  | 55.7  |
| 100°   | 67.1  | 68.0  | 68.8  | 69.3  | 69.5  | 69.7  | 69.8  | 70.0  |
| 102.5° | 80.9  | 81.8  | 82.8  | 83.3  | 83.6  | 83.9  | 84.2  | 84.5  |
| 105°   | 103.2 | 103.8 | 104.3 | 104.8 | 105.1 | 105.4 | 105.7 | 105.9 |
| 107.5° | 127.3 | 127.6 | 127.9 | 128.1 | 128.1 | 128.0 | 128.0 | 128.0 |
| 110°   | 144.1 | 144.4 | 144.7 | 144.8 | 144.7 | 144.6 | 144.5 | 144.4 |





TEST NUMBER: P333375-830

CATALOG NUMBER: S125DIW-S610D470U830-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 160.9 | 161.0 | 161.2 | 161.2 | 161.0 | 160.8 | 160.6 | 160.4 |
| 115°   | 186.5 | 186.4 | 186.3 | 186.2 | 186.2 | 186.1 | 186.0 | 185.9 |
| 117.5° | 212.2 | 212.2 | 212.3 | 212.2 | 211.8 | 211.4 | 210.9 | 210.6 |
| 120°   | 229.4 | 229.4 | 229.4 | 229.2 | 228.8 | 228.5 | 228.1 | 227.7 |
| 122.5° | 246.4 | 246.3 | 246.2 | 246.0 | 245.7 | 245.4 | 245.1 | 244.8 |
| 125°   | 271.4 | 271.2 | 271.0 | 270.8 | 270.7 | 270.6 | 270.5 | 270.4 |
| 127.5° | 296.1 | 296.1 | 296.0 | 295.8 | 295.6 | 295.4 | 295.2 | 295.0 |
| 130°   | 312.5 | 312.5 | 312.4 | 312.2 | 312.0 | 311.8 | 311.6 | 311.4 |
| 132.5° | 328.2 | 328.1 | 328.0 | 327.9 | 327.6 | 327.3 | 327.1 | 326.8 |
| 135°   | 352.4 | 352.4 | 352.4 | 352.2 | 351.9 | 351.5 | 351.1 | 350.7 |
| 137.5° | 376.0 | 376.1 | 376.3 | 376.1 | 375.6 | 375.1 | 374.6 | 374.1 |
| 140°   | 390.9 | 391.1 | 391.2 | 391.1 | 390.6 | 390.1 | 389.6 | 389.2 |
| 142.5° | 405.4 | 405.5 | 405.6 | 405.4 | 404.9 | 404.4 | 404.0 | 403.5 |
| 145°   | 426.3 | 426.3 | 426.3 | 426.2 | 425.9 | 425.7 | 425.4 | 425.1 |
| 147.5° | 445.7 | 446.0 | 446.2 | 446.0 | 445.4 | 444.7 | 444.0 | 443.5 |
| 150°   | 458.0 | 458.0 | 458.0 | 457.9 | 457.7 | 457.5 | 457.3 | 457.1 |
| 152.5° | 469.4 | 469.6 | 469.8 | 469.8 | 469.4 | 469.1 | 468.7 | 468.3 |
| 155°   | 485.6 | 486.0 | 486.4 | 486.4 | 485.9 | 485.4 | 484.9 | 484.5 |
| 157.5° | 499.7 | 500.1 | 500.5 | 500.4 | 499.7 | 499.1 | 498.5 | 497.9 |
| 160°   | 508.3 | 508.7 | 509.1 | 509.0 | 508.5 | 508.0 | 507.6 | 507.1 |
| 162.5° | 516.3 | 516.7 | 517.2 | 517.2 | 516.6 | 516.0 | 515.5 | 514.9 |
| 165°   | 527.1 | 527.4 | 527.8 | 527.7 | 527.2 | 526.6 | 526.0 | 525.5 |
| 167.5° | 535.1 | 535.6 | 536.2 | 536.2 | 535.6 | 535.0 | 534.4 | 533.9 |
| 170°   | 539.8 | 540.4 | 541.0 | 540.9 | 540.3 | 539.6 | 538.9 | 538.3 |
| 172.5° | 543.3 | 543.8 | 544.4 | 544.4 | 543.8 | 543.2 | 542.6 | 542.1 |
| 175°   | 547.1 | 547.7 | 548.3 | 548.2 | 547.5 | 546.9 | 546.2 | 545.5 |
| 177.5° | 548.8 | 549.3 | 549.8 | 549.7 | 549.2 | 548.7 | 548.1 | 547.6 |
| 180°   | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 |

(END OF REPORT)