

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P252247

Luminaire Tested: **LD6B15D010 EU6B10208035 6LBSW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252247  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-7)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15D010 EU6B10208035 6LBSW1H  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1389.0 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

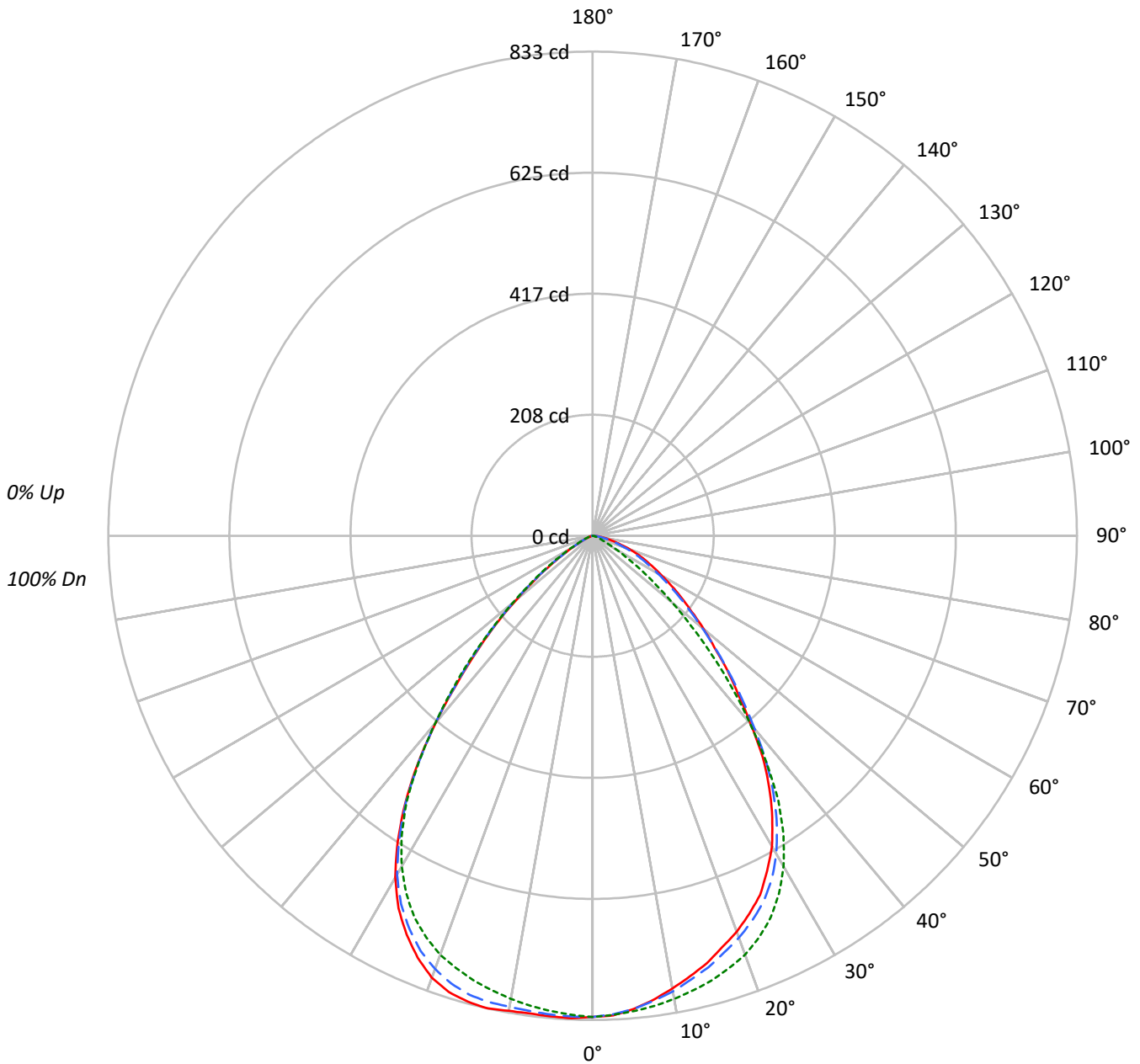
Input Watts (W): 14.39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 50  |     |     |     |     |     |     |     |     | 30 |    |   |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 0 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98  | 98  | 96  | 95  | 95  | 93  | 92  | 90  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 88  | 93  | 89  | 86  | 90  | 87  | 84  | 87  | 85  | 82  | 80  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  | 82  | 78  | 75  | 80  | 77  | 74  | 72  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 91  | 81  | 74  | 69  | 89  | 80  | 74  | 69  | 78  | 72  | 68  | 76  | 71  | 67  | 74  | 69  | 66  | 64  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 85  | 74  | 67  | 62  | 83  | 73  | 66  | 61  | 71  | 65  | 61  | 70  | 64  | 60  | 68  | 63  | 60  | 58  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 79  | 68  | 61  | 55  | 78  | 67  | 60  | 55  | 66  | 59  | 55  | 64  | 59  | 54  | 63  | 58  | 54  | 52  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 74  | 63  | 55  | 50  | 73  | 62  | 55  | 50  | 61  | 54  | 50  | 59  | 54  | 49  | 58  | 53  | 49  | 47  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 70  | 58  | 51  | 46  | 68  | 57  | 50  | 46  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 65  | 54  | 47  | 42  | 64  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 46  | 41  | 50  | 45  | 41  | 40  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 37  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 54013 | 54013 | 54013 |
| 5°  | 53499 | 53761 | 54350 |
| 10° | 52395 | 53587 | 54978 |
| 15° | 51393 | 53487 | 56053 |
| 20° | 50328 | 53244 | 56160 |
| 25° | 49087 | 52182 | 54485 |
| 30° | 46473 | 49487 | 51144 |
| 35° | 42211 | 44362 | 44760 |
| 40° | 36025 | 35855 | 35684 |
| 45° | 30263 | 26849 | 26018 |
| 50° | 25273 | 18168 | 17254 |
| 55° | 21270 | 11147 | 10123 |
| 60° | 18006 | 5872  | 5089  |
| 65° | 15592 | 3087  | 2470  |
| 70° | 12971 | 1908  | 1335  |
| 75° | 9579  | 1260  | 756   |
| 80° | 7514  | 751   | 376   |
| 85° | 5988  | 749   | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 78.0   | 5.6       |
| 10°-20°   | 223.4  | 16.1      |
| 20°-30°   | 329.9  | 23.7      |
| 30°-40°   | 340.0  | 24.5      |
| 40°-50°   | 234.9  | 16.9      |
| 50°-60°   | 115.8  | 8.3       |
| 60°-70°   | 46.9   | 3.4       |
| 70°-80°   | 16.7   | 1.2       |
| 80°-90°   | 3.5    | 0.2       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 631.3  | 45.5      |
| 0°-40°    | 971.3  | 69.9      |
| 0°-60°    | 1321.9 | 95.2      |
| 0°-90°    | 1389.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1389.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 828 | 828 | 828 | 828  | 828  |      |
| 5°  | 817 | 817 | 821 | 827  | 830  | 77   |
| 15° | 761 | 769 | 792 | 818  | 830  | 214  |
| 25° | 682 | 695 | 725 | 746  | 757  | 312  |
| 35° | 530 | 543 | 557 | 560  | 562  | 328  |
| 45° | 328 | 330 | 291 | 287  | 282  | 254  |
| 55° | 187 | 180 | 98  | 92   | 89   | 169  |
| 65° | 101 | 91  | 20  | 16   | 16   | 100  |
| 75° | 38  | 32  | 5   | 3    | 3    | 43   |
| 85° | 8   | 6   | 1   | 0    | 0    | 10   |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 |
| 2.5°  | 825.9 | 822.9 | 824.9 | 820.9 | 825.9 | 820.9 | 821.9 | 822.9 | 821.9 | 822.9 | 823.9 |
| 5°    | 816.9 | 813.9 | 816.9 | 811.9 | 816.9 | 813.9 | 813.9 | 814.9 | 814.9 | 815.9 | 816.9 |
| 7.5°  | 804.9 | 801.9 | 804.9 | 799.9 | 805.9 | 802.9 | 802.9 | 804.9 | 803.9 | 804.9 | 806.9 |
| 10°   | 790.9 | 786.9 | 789.9 | 786.9 | 792.9 | 788.9 | 790.9 | 790.9 | 790.9 | 793.9 | 795.9 |
| 12.5° | 775.9 | 771.9 | 775.9 | 770.9 | 776.9 | 773.9 | 774.9 | 777.9 | 778.9 | 780.9 | 781.9 |
| 15°   | 760.9 | 755.9 | 757.9 | 754.9 | 760.9 | 757.9 | 758.9 | 762.9 | 762.9 | 765.9 | 768.9 |
| 17.5° | 741.9 | 737.9 | 741.9 | 737.9 | 742.9 | 740.9 | 742.9 | 745.9 | 745.9 | 748.9 | 751.9 |
| 20°   | 724.9 | 720.9 | 723.9 | 720.9 | 726.9 | 723.9 | 724.9 | 728.9 | 729.9 | 732.9 | 735.9 |
| 22.5° | 703.9 | 700.9 | 702.9 | 699.9 | 705.9 | 703.9 | 704.9 | 708.9 | 709.9 | 711.9 | 716.9 |
| 25°   | 681.9 | 675.9 | 678.9 | 676.9 | 682.9 | 679.9 | 681.9 | 685.9 | 687.9 | 690.9 | 694.9 |
| 27.5° | 649.9 | 646.9 | 648.9 | 648.9 | 653.9 | 650.9 | 651.9 | 655.9 | 658.9 | 661.9 | 666.9 |
| 30°   | 616.9 | 611.9 | 613.9 | 614.9 | 618.9 | 616.9 | 618.9 | 622.9 | 623.9 | 627.9 | 631.9 |
| 32.5° | 575.0 | 573.0 | 577.0 | 575.0 | 577.0 | 577.0 | 578.0 | 581.0 | 583.0 | 585.0 | 589.9 |
| 35°   | 530.0 | 526.0 | 530.0 | 528.0 | 533.0 | 530.0 | 533.0 | 536.0 | 536.0 | 540.0 | 543.0 |
| 37.5° | 481.0 | 476.0 | 478.0 | 478.0 | 480.0 | 479.0 | 479.0 | 484.0 | 485.0 | 488.0 | 491.0 |
| 40°   | 423.0 | 421.0 | 425.0 | 424.0 | 425.0 | 425.0 | 426.0 | 429.0 | 431.0 | 432.0 | 433.0 |
| 42.5° | 371.0 | 372.0 | 373.0 | 373.0 | 373.0 | 373.0 | 373.0 | 377.0 | 376.0 | 379.0 | 380.0 |
| 45°   | 328.0 | 324.0 | 326.0 | 325.0 | 328.0 | 325.0 | 328.0 | 331.0 | 329.0 | 332.0 | 330.0 |
| 47.5° | 284.0 | 284.0 | 284.0 | 283.0 | 285.0 | 284.0 | 286.0 | 287.0 | 287.0 | 287.0 | 286.0 |
| 50°   | 249.0 | 246.0 | 247.0 | 247.0 | 248.0 | 247.0 | 249.0 | 250.0 | 250.0 | 248.0 | 244.0 |
| 52.5° | 215.0 | 214.0 | 214.0 | 216.0 | 216.0 | 215.0 | 215.0 | 215.0 | 215.0 | 212.0 | 210.0 |
| 55°   | 187.0 | 185.0 | 186.0 | 186.0 | 186.0 | 186.0 | 187.0 | 186.0 | 186.0 | 183.0 | 180.0 |
| 57.5° | 162.0 | 160.0 | 160.0 | 160.0 | 161.0 | 160.0 | 160.0 | 160.0 | 159.0 | 156.0 | 152.0 |
| 60°   | 138.0 | 137.0 | 138.0 | 138.0 | 139.0 | 138.0 | 138.0 | 138.0 | 136.0 | 133.0 | 129.0 |
| 62.5° | 118.0 | 118.0 | 118.0 | 119.0 | 119.0 | 118.0 | 118.0 | 117.0 | 116.0 | 112.0 | 108.0 |
| 65°   | 101.0 | 100.0 | 101.0 | 101.0 | 102.0 | 102.0 | 101.0 | 100.0 | 99.0  | 95.0  | 91.0  |
| 67.5° | 84.0  | 83.0  | 84.0  | 84.0  | 85.0  | 84.0  | 84.0  | 84.0  | 81.0  | 79.0  | 75.0  |
| 70°   | 68.0  | 67.0  | 67.0  | 67.0  | 68.0  | 66.0  | 67.0  | 67.0  | 65.0  | 62.0  | 58.0  |
| 72.5° | 52.0  | 52.0  | 52.0  | 52.0  | 52.0  | 52.0  | 51.0  | 51.0  | 49.0  | 46.0  | 44.0  |
| 75°   | 38.0  | 38.0  | 39.0  | 39.0  | 38.0  | 38.0  | 38.0  | 37.0  | 36.0  | 34.0  | 32.0  |
| 77.5° | 28.0  | 28.0  | 28.0  | 28.0  | 27.0  | 27.0  | 27.0  | 26.0  | 25.0  | 24.0  | 22.0  |
| 80°   | 20.0  | 20.0  | 20.0  | 19.0  | 20.0  | 19.0  | 19.0  | 19.0  | 17.0  | 16.0  | 15.0  |
| 82.5° | 14.0  | 13.0  | 13.0  | 13.0  | 13.0  | 13.0  | 13.0  | 12.0  | 12.0  | 11.0  | 10.0  |
| 85°   | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   | 7.0   | 6.0   | 6.0   |
| 87.5° | 4.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 4.0   | 4.0   | 4.0   | 3.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 |
| 2.5°  | 823.9 | 823.9 | 825.9 | 822.9 | 827.9 | 824.9 | 823.9 | 828.9 | 825.9 | 824.9 | 826.9 |
| 5°    | 816.9 | 817.9 | 818.9 | 816.9 | 821.9 | 818.9 | 818.9 | 823.9 | 821.9 | 820.9 | 823.9 |
| 7.5°  | 807.9 | 808.9 | 810.9 | 809.9 | 813.9 | 811.9 | 812.9 | 817.9 | 815.9 | 815.9 | 818.9 |
| 10°   | 796.9 | 798.9 | 800.9 | 800.9 | 805.9 | 803.9 | 803.9 | 809.9 | 807.9 | 808.9 | 812.9 |
| 12.5° | 783.9 | 786.9 | 789.9 | 790.9 | 795.9 | 792.9 | 793.9 | 800.9 | 799.9 | 800.9 | 804.9 |
| 15°   | 769.9 | 773.9 | 776.9 | 776.9 | 782.9 | 779.9 | 782.9 | 789.9 | 787.9 | 791.9 | 796.9 |
| 17.5° | 753.9 | 757.9 | 761.9 | 762.9 | 768.9 | 766.9 | 770.9 | 777.9 | 777.9 | 779.9 | 785.9 |
| 20°   | 738.9 | 743.9 | 745.9 | 748.9 | 754.9 | 753.9 | 755.9 | 763.9 | 763.9 | 766.9 | 772.9 |
| 22.5° | 718.9 | 723.9 | 727.9 | 730.9 | 735.9 | 735.9 | 738.9 | 745.9 | 745.9 | 747.9 | 753.9 |
| 25°   | 696.9 | 702.9 | 705.9 | 708.9 | 713.9 | 712.9 | 715.9 | 721.9 | 722.9 | 724.9 | 730.9 |
| 27.5° | 668.9 | 673.9 | 677.9 | 679.9 | 686.9 | 682.9 | 685.9 | 692.9 | 691.9 | 693.9 | 698.9 |
| 30°   | 633.9 | 638.9 | 642.9 | 642.9 | 648.9 | 648.9 | 651.9 | 654.9 | 654.9 | 656.9 | 660.9 |
| 32.5° | 592.9 | 598.9 | 598.9 | 601.9 | 605.9 | 601.9 | 605.9 | 609.9 | 607.9 | 610.9 | 613.9 |
| 35°   | 546.0 | 549.0 | 550.0 | 550.0 | 553.0 | 552.0 | 551.0 | 554.0 | 552.0 | 557.0 | 560.0 |
| 37.5° | 489.0 | 493.0 | 491.0 | 493.0 | 492.0 | 489.0 | 489.0 | 494.0 | 490.0 | 491.0 | 494.0 |
| 40°   | 434.0 | 434.0 | 433.0 | 428.0 | 429.0 | 426.0 | 425.0 | 426.0 | 422.0 | 421.0 | 425.0 |
| 42.5° | 377.0 | 376.0 | 373.0 | 366.0 | 367.0 | 362.0 | 358.0 | 358.0 | 356.0 | 355.0 | 356.0 |
| 45°   | 326.0 | 323.0 | 318.0 | 310.0 | 308.0 | 304.0 | 296.0 | 294.0 | 291.0 | 291.0 | 292.0 |
| 47.5° | 279.0 | 275.0 | 267.0 | 258.0 | 253.0 | 248.0 | 240.0 | 237.0 | 232.0 | 230.0 | 232.0 |
| 50°   | 240.0 | 233.0 | 223.0 | 210.0 | 205.0 | 199.0 | 191.0 | 186.0 | 181.0 | 179.0 | 178.0 |
| 52.5° | 204.0 | 194.0 | 184.0 | 168.0 | 164.0 | 158.0 | 147.0 | 142.0 | 137.0 | 133.0 | 133.0 |
| 55°   | 173.0 | 164.0 | 150.0 | 135.0 | 129.0 | 123.0 | 112.0 | 105.0 | 100.0 | 98.0  | 96.0  |
| 57.5° | 145.0 | 135.0 | 122.0 | 106.0 | 100.0 | 94.0  | 83.0  | 76.0  | 71.0  | 68.0  | 66.0  |
| 60°   | 122.0 | 111.0 | 98.0  | 84.0  | 77.0  | 71.0  | 60.0  | 53.0  | 48.0  | 45.0  | 43.0  |
| 62.5° | 100.0 | 91.0  | 78.0  | 65.0  | 59.0  | 53.0  | 44.0  | 37.0  | 32.0  | 30.0  | 27.0  |
| 65°   | 84.0  | 75.0  | 63.0  | 52.0  | 47.0  | 41.0  | 33.0  | 27.0  | 23.0  | 20.0  | 18.0  |
| 67.5° | 68.0  | 61.0  | 51.0  | 41.0  | 36.0  | 32.0  | 25.0  | 20.0  | 16.0  | 14.0  | 13.0  |
| 70°   | 54.0  | 47.0  | 39.0  | 31.0  | 28.0  | 24.0  | 19.0  | 14.0  | 12.0  | 10.0  | 9.0   |
| 72.5° | 40.0  | 35.0  | 29.0  | 23.0  | 20.0  | 18.0  | 13.0  | 11.0  | 8.0   | 7.0   | 6.0   |
| 75°   | 29.0  | 25.0  | 21.0  | 16.0  | 14.0  | 13.0  | 10.0  | 7.0   | 6.0   | 5.0   | 4.0   |
| 77.5° | 20.0  | 18.0  | 14.0  | 11.0  | 10.0  | 9.0   | 7.0   | 5.0   | 4.0   | 3.0   | 3.0   |
| 80°   | 13.0  | 11.0  | 9.0   | 7.0   | 7.0   | 6.0   | 4.0   | 3.0   | 3.0   | 2.0   | 2.0   |
| 82.5° | 8.0   | 7.0   | 6.0   | 5.0   | 4.0   | 4.0   | 3.0   | 2.0   | 2.0   | 1.0   | 1.0   |
| 85°   | 5.0   | 4.0   | 3.0   | 3.0   | 2.0   | 2.0   | 2.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 87.5° | 2.0   | 2.0   | 2.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 827.9 | 827.9 | 827.9 | 827.9  | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 |
| 2.5°  | 826.9 | 826.9 | 828.9 | 825.9  | 827.9 | 827.9 | 829.9 | 825.9 | 827.9 | 828.9 | 830.9 |
| 5°    | 822.9 | 823.9 | 825.9 | 824.9  | 825.9 | 825.9 | 827.9 | 822.9 | 826.9 | 826.9 | 829.9 |
| 7.5°  | 818.9 | 818.9 | 820.9 | 819.9  | 821.9 | 822.9 | 824.9 | 820.9 | 824.9 | 824.9 | 827.9 |
| 10°   | 813.9 | 813.9 | 816.9 | 815.9  | 818.9 | 819.9 | 822.9 | 818.9 | 822.9 | 823.9 | 826.9 |
| 12.5° | 806.9 | 807.9 | 810.9 | 810.9  | 813.9 | 815.9 | 818.9 | 816.9 | 821.9 | 822.9 | 826.9 |
| 15°   | 798.9 | 800.9 | 804.9 | 803.9  | 806.9 | 809.9 | 813.9 | 810.9 | 817.9 | 819.9 | 823.9 |
| 17.5° | 788.9 | 790.9 | 793.9 | 793.9  | 796.9 | 798.9 | 803.9 | 801.9 | 807.9 | 808.9 | 813.9 |
| 20°   | 773.9 | 776.9 | 780.9 | 779.9  | 782.9 | 784.9 | 788.9 | 786.9 | 792.9 | 794.9 | 799.9 |
| 22.5° | 755.9 | 757.9 | 760.9 | 760.9  | 763.9 | 765.9 | 769.9 | 766.9 | 772.9 | 773.9 | 777.9 |
| 25°   | 731.9 | 733.9 | 735.9 | 736.9  | 739.9 | 740.9 | 742.9 | 740.9 | 745.9 | 746.9 | 751.9 |
| 27.5° | 700.9 | 701.9 | 704.9 | 704.9  | 706.9 | 707.9 | 710.9 | 706.9 | 713.9 | 713.9 | 716.9 |
| 30°   | 663.9 | 662.9 | 666.9 | 664.9  | 666.9 | 666.9 | 669.9 | 667.9 | 672.9 | 670.9 | 673.9 |
| 32.5° | 614.9 | 616.9 | 616.9 | 614.9  | 618.9 | 617.9 | 617.9 | 615.9 | 618.9 | 619.9 | 621.9 |
| 35°   | 558.0 | 561.0 | 561.0 | 562.0  | 563.0 | 560.0 | 561.0 | 555.0 | 560.0 | 561.0 | 562.0 |
| 37.5° | 496.0 | 493.0 | 495.0 | 492.0  | 497.0 | 491.0 | 491.0 | 487.0 | 491.0 | 491.0 | 492.0 |
| 40°   | 425.0 | 424.0 | 426.0 | 424.0  | 423.0 | 422.0 | 420.0 | 417.0 | 421.0 | 419.0 | 422.0 |
| 42.5° | 358.0 | 357.0 | 357.0 | 355.0  | 354.0 | 354.0 | 352.0 | 350.0 | 349.0 | 349.0 | 354.0 |
| 45°   | 289.0 | 291.0 | 289.0 | 288.0  | 290.0 | 288.0 | 289.0 | 285.0 | 287.0 | 285.0 | 287.0 |
| 47.5° | 231.0 | 232.0 | 230.0 | 228.0  | 231.0 | 228.0 | 228.0 | 225.0 | 229.0 | 229.0 | 227.0 |
| 50°   | 179.0 | 178.0 | 176.0 | 178.0  | 177.0 | 177.0 | 177.0 | 174.0 | 176.0 | 173.0 | 175.0 |
| 52.5° | 132.0 | 131.0 | 131.0 | 130.0  | 131.0 | 130.0 | 130.0 | 129.0 | 129.0 | 128.0 | 129.0 |
| 55°   | 96.0  | 95.0  | 93.0  | 93.0   | 93.0  | 94.0  | 93.0  | 92.0  | 92.0  | 91.0  | 92.0  |
| 57.5° | 65.0  | 63.0  | 63.0  | 63.0   | 63.0  | 62.0  | 62.0  | 61.0  | 62.0  | 61.0  | 62.0  |
| 60°   | 42.0  | 42.0  | 40.0  | 40.0   | 40.0  | 40.0  | 40.0  | 39.0  | 40.0  | 40.0  | 40.0  |
| 62.5° | 26.0  | 26.0  | 25.0  | 24.0   | 25.0  | 24.0  | 24.0  | 24.0  | 25.0  | 24.0  | 25.0  |
| 65°   | 17.0  | 16.0  | 16.0  | 16.0   | 16.0  | 16.0  | 16.0  | 16.0  | 16.0  | 16.0  | 16.0  |
| 67.5° | 12.0  | 11.0  | 11.0  | 11.0   | 11.0  | 11.0  | 11.0  | 10.0  | 11.0  | 11.0  | 11.0  |
| 70°   | 8.0   | 8.0   | 7.0   | 7.0    | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   |
| 72.5° | 5.0   | 5.0   | 5.0   | 5.0    | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   |
| 75°   | 4.0   | 3.0   | 3.0   | 3.0    | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   |
| 77.5° | 3.0   | 2.0   | 2.0   | 2.0    | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 80°   | 2.0   | 2.0   | 1.0   | 1.0    | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 82.5° | 1.0   | 1.0   | 1.0   | 1.0    | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 85°   | 1.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 1.0   | 1.0    | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |





TEST NUMBER: P252247

CATALOG NUMBER: LD6B15D010 EU6B10208035 6LBSW1H

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 827.9 | 827.9 | 827.9  | 827.9 | 827.9 | 827.9 | 827.9 | 827.9 |
| 2.5°  | 827.9 | 828.9 | 826.9  | 827.9 | 825.9 | 827.9 | 828.9 | 830.9 |
| 5°    | 825.9 | 826.9 | 824.9  | 826.9 | 824.9 | 826.9 | 827.9 | 829.9 |
| 7.5°  | 823.9 | 825.9 | 823.9  | 825.9 | 823.9 | 825.9 | 826.9 | 828.9 |
| 10°   | 823.9 | 826.9 | 824.9  | 827.9 | 824.9 | 826.9 | 828.9 | 829.9 |
| 12.5° | 823.9 | 826.9 | 825.9  | 827.9 | 826.9 | 828.9 | 830.9 | 832.9 |
| 15°   | 821.9 | 824.9 | 822.9  | 825.9 | 824.9 | 825.9 | 829.9 | 829.9 |
| 17.5° | 810.9 | 813.9 | 813.9  | 815.9 | 815.9 | 818.9 | 820.9 | 822.9 |
| 20°   | 796.9 | 799.9 | 798.9  | 801.9 | 801.9 | 804.9 | 806.9 | 808.9 |
| 22.5° | 775.9 | 779.9 | 778.9  | 781.9 | 780.9 | 782.9 | 786.9 | 785.9 |
| 25°   | 748.9 | 753.9 | 752.9  | 754.9 | 753.9 | 753.9 | 755.9 | 756.9 |
| 27.5° | 715.9 | 718.9 | 717.9  | 719.9 | 717.9 | 719.9 | 721.9 | 722.9 |
| 30°   | 672.9 | 674.9 | 673.9  | 674.9 | 673.9 | 675.9 | 676.9 | 678.9 |
| 32.5° | 620.9 | 623.9 | 620.9  | 622.9 | 621.9 | 621.9 | 625.9 | 623.9 |
| 35°   | 559.0 | 560.0 | 561.0  | 561.0 | 559.0 | 560.0 | 562.0 | 562.0 |
| 37.5° | 490.0 | 495.0 | 489.0  | 492.0 | 491.0 | 491.0 | 491.0 | 494.0 |
| 40°   | 418.0 | 419.0 | 417.0  | 417.0 | 417.0 | 416.0 | 420.0 | 419.0 |
| 42.5° | 350.0 | 351.0 | 350.0  | 347.0 | 348.0 | 348.0 | 351.0 | 347.0 |
| 45°   | 284.0 | 286.0 | 285.0  | 285.0 | 283.0 | 283.0 | 284.0 | 282.0 |
| 47.5° | 225.0 | 227.0 | 224.0  | 225.0 | 223.0 | 225.0 | 224.0 | 226.0 |
| 50°   | 171.0 | 173.0 | 172.0  | 173.0 | 173.0 | 171.0 | 174.0 | 170.0 |
| 52.5° | 128.0 | 129.0 | 128.0  | 127.0 | 126.0 | 126.0 | 128.0 | 127.0 |
| 55°   | 91.0  | 90.0  | 90.0   | 90.0  | 91.0  | 91.0  | 90.0  | 89.0  |
| 57.5° | 61.0  | 61.0  | 60.0   | 60.0  | 61.0  | 59.0  | 60.0  | 59.0  |
| 60°   | 39.0  | 39.0  | 39.0   | 39.0  | 38.0  | 39.0  | 39.0  | 39.0  |
| 62.5° | 24.0  | 24.0  | 24.0   | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  |
| 65°   | 16.0  | 16.0  | 16.0   | 16.0  | 16.0  | 16.0  | 16.0  | 16.0  |
| 67.5° | 10.0  | 11.0  | 11.0   | 11.0  | 10.0  | 10.0  | 10.0  | 10.0  |
| 70°   | 7.0   | 7.0   | 7.0    | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   |
| 72.5° | 5.0   | 5.0   | 5.0    | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   |
| 75°   | 3.0   | 3.0   | 3.0    | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   |
| 77.5° | 2.0   | 2.0   | 2.0    | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 80°   | 1.0   | 1.0   | 1.0    | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 82.5° | 1.0   | 1.0   | 1.0    | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 85°   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 1.0   | 1.0   | 1.0    | 1.0   | 1.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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— 0°-180°    - - 45°-225°    - - - - 90°-270°















(END OF REPORT)