

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: P252266

Luminaire Tested: **LD6B20D010 EU6B10209035 6LBSW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252266  
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: LD6B20D010 EU6B10209035 6LBSW1H  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1632.0 lumens  
Efficiency: N/A  
Efficacy: 78.5 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

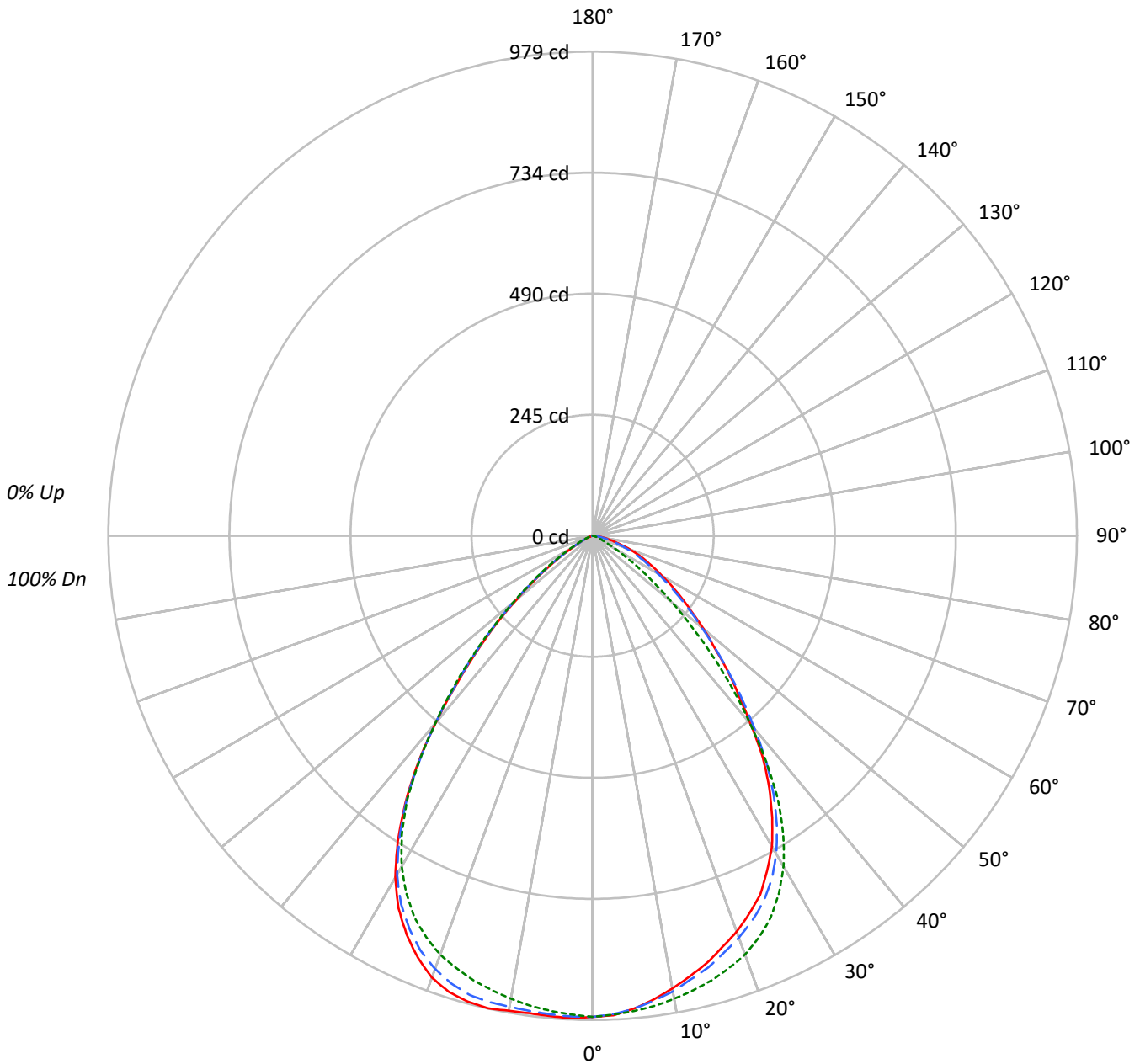
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|--|--|--|---|
| RF  | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |    |    | 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  | 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°  | 63466 | 63466 | 63466 |
| 5°  | 62857 | 63165 | 63859 |
| 10° | 61563 | 62968 | 64598 |
| 15° | 60389 | 62848 | 65860 |
| 20° | 59138 | 62561 | 65991 |
| 25° | 57674 | 61317 | 64024 |
| 30° | 54609 | 58150 | 60093 |
| 35° | 49594 | 52119 | 52589 |
| 40° | 42327 | 42123 | 41927 |
| 45° | 35549 | 31545 | 30567 |
| 50° | 29688 | 21345 | 20269 |
| 55° | 24989 | 13092 | 11898 |
| 60° | 21151 | 6902  | 5976  |
| 65° | 18324 | 3628  | 2902  |
| 70° | 15241 | 2232  | 1564  |
| 75° | 11242 | 1487  | 882   |
| 80° | 8829  | 864   | 451   |
| 85° | 7036  | 898   | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 91.7   | 5.6       |
| 10°-20°   | 262.5  | 16.1      |
| 20°-30°   | 387.6  | 23.8      |
| 30°-40°   | 399.5  | 24.5      |
| 40°-50°   | 275.9  | 16.9      |
| 50°-60°   | 136.0  | 8.3       |
| 60°-70°   | 55.1   | 3.4       |
| 70°-80°   | 19.6   | 1.2       |
| 80°-90°   | 4.1    | 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°    | 741.8  | 45.5      |
| 0°-40°    | 1141.3 | 69.9      |
| 0°-60°    | 1553.2 | 95.2      |
| 0°-90°    | 1632.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1632.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 973 | 973 | 973 | 973  | 973  |      |
| 5°  | 960 | 960 | 964 | 972  | 975  | 91   |
| 15° | 894 | 904 | 930 | 961  | 975  | 252  |
| 25° | 801 | 816 | 852 | 876  | 889  | 366  |
| 35° | 623 | 638 | 654 | 658  | 660  | 386  |
| 45° | 385 | 388 | 342 | 337  | 331  | 298  |
| 55° | 220 | 212 | 115 | 108  | 105  | 198  |
| 65° | 119 | 107 | 24  | 19   | 19   | 118  |
| 75° | 45  | 38  | 6   | 4    | 4    | 50   |
| 85° | 9   | 7   | 1   | 0    | 0    | 11   |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P252266

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBSW1H

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 |
| 2.5°  | 970.4 | 966.9 | 969.2 | 964.5 | 970.4 | 964.5 | 965.7 | 966.9 | 965.7 | 966.9 | 968.1 |
| 5°    | 959.8 | 956.3 | 959.8 | 954.0 | 959.8 | 956.3 | 956.3 | 957.5 | 957.5 | 958.7 | 959.8 |
| 7.5°  | 945.8 | 942.2 | 945.8 | 939.9 | 946.9 | 943.4 | 943.4 | 945.8 | 944.6 | 945.8 | 948.1 |
| 10°   | 929.3 | 924.6 | 928.1 | 924.6 | 931.7 | 927.0 | 929.3 | 929.3 | 929.3 | 932.8 | 935.2 |
| 12.5° | 911.7 | 907.0 | 911.7 | 905.8 | 912.9 | 909.3 | 910.5 | 914.0 | 915.2 | 917.6 | 918.7 |
| 15°   | 894.1 | 888.2 | 890.5 | 887.0 | 894.1 | 890.5 | 891.7 | 896.4 | 896.4 | 899.9 | 903.5 |
| 17.5° | 871.7 | 867.0 | 871.7 | 867.0 | 872.9 | 870.6 | 872.9 | 876.4 | 876.4 | 880.0 | 883.5 |
| 20°   | 851.8 | 847.1 | 850.6 | 847.1 | 854.1 | 850.6 | 851.8 | 856.5 | 857.6 | 861.2 | 864.7 |
| 22.5° | 827.1 | 823.6 | 825.9 | 822.4 | 829.4 | 827.1 | 828.3 | 833.0 | 834.1 | 836.5 | 842.4 |
| 25°   | 801.2 | 794.2 | 797.7 | 795.4 | 802.4 | 798.9 | 801.2 | 805.9 | 808.3 | 811.8 | 816.5 |
| 27.5° | 763.6 | 760.1 | 762.5 | 762.5 | 768.3 | 764.8 | 766.0 | 770.7 | 774.2 | 777.7 | 783.6 |
| 30°   | 724.9 | 719.0 | 721.4 | 722.5 | 727.2 | 724.9 | 727.2 | 731.9 | 733.1 | 737.8 | 742.5 |
| 32.5° | 675.5 | 673.2 | 677.9 | 675.5 | 677.9 | 677.9 | 679.1 | 682.6 | 684.9 | 687.3 | 693.2 |
| 35°   | 622.7 | 618.0 | 622.7 | 620.3 | 626.2 | 622.7 | 626.2 | 629.7 | 629.7 | 634.4 | 637.9 |
| 37.5° | 565.1 | 559.2 | 561.6 | 561.6 | 563.9 | 562.8 | 562.8 | 568.6 | 569.8 | 573.3 | 576.8 |
| 40°   | 497.0 | 494.6 | 499.3 | 498.1 | 499.3 | 499.3 | 500.5 | 504.0 | 506.4 | 507.5 | 508.7 |
| 42.5° | 435.9 | 437.0 | 438.2 | 438.2 | 438.2 | 438.2 | 438.2 | 442.9 | 441.7 | 445.3 | 446.4 |
| 45°   | 385.3 | 380.7 | 383.0 | 381.8 | 385.3 | 381.8 | 385.3 | 388.9 | 386.5 | 390.0 | 387.7 |
| 47.5° | 333.7 | 333.7 | 333.7 | 332.5 | 334.8 | 333.7 | 336.0 | 337.2 | 337.2 | 337.2 | 336.0 |
| 50°   | 292.5 | 289.0 | 290.2 | 290.2 | 291.4 | 290.2 | 292.5 | 293.7 | 293.7 | 291.4 | 286.7 |
| 52.5° | 252.6 | 251.4 | 251.4 | 253.8 | 253.8 | 252.6 | 252.6 | 252.6 | 252.6 | 249.1 | 246.7 |
| 55°   | 219.7 | 217.3 | 218.5 | 218.5 | 218.5 | 218.5 | 219.7 | 218.5 | 218.5 | 215.0 | 211.5 |
| 57.5° | 190.3 | 188.0 | 188.0 | 188.0 | 189.2 | 188.0 | 188.0 | 188.0 | 186.8 | 183.3 | 178.6 |
| 60°   | 162.1 | 161.0 | 162.1 | 162.1 | 163.3 | 162.1 | 162.1 | 162.1 | 159.8 | 156.3 | 151.6 |
| 62.5° | 138.6 | 138.6 | 138.6 | 139.8 | 139.8 | 138.6 | 138.6 | 137.5 | 136.3 | 131.6 | 126.9 |
| 65°   | 118.7 | 117.5 | 118.7 | 118.7 | 119.8 | 119.8 | 118.7 | 117.5 | 116.3 | 111.6 | 106.9 |
| 67.5° | 98.7  | 97.5  | 98.7  | 98.7  | 99.9  | 98.7  | 98.7  | 98.7  | 95.2  | 92.8  | 88.1  |
| 70°   | 79.9  | 78.7  | 78.7  | 78.7  | 79.9  | 77.5  | 78.7  | 78.7  | 76.4  | 72.8  | 68.1  |
| 72.5° | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 59.9  | 59.9  | 57.6  | 54.0  | 51.7  |
| 75°   | 44.6  | 44.6  | 45.8  | 45.8  | 44.6  | 44.6  | 44.6  | 43.5  | 42.3  | 39.9  | 37.6  |
| 77.5° | 32.9  | 32.9  | 32.9  | 32.9  | 31.7  | 31.7  | 31.7  | 30.5  | 29.4  | 28.2  | 25.8  |
| 80°   | 23.5  | 23.5  | 23.5  | 22.3  | 23.5  | 22.3  | 22.3  | 22.3  | 20.0  | 18.8  | 17.6  |
| 82.5° | 16.4  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 14.1  | 14.1  | 12.9  | 11.7  |
| 85°   | 9.4   | 9.4   | 9.4   | 9.4   | 9.4   | 9.4   | 9.4   | 9.4   | 8.2   | 7.0   | 7.0   |
| 87.5° | 4.7   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 4.7   | 4.7   | 4.7   | 3.5   |
| 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: P252266

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBSW1H

**CANDELA DISTRIBUTION (continued):**

|       | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 |
| 2.5°  | 968.1 | 968.1 | 970.4 | 966.9 | 972.8 | 969.2 | 968.1 | 973.9 | 970.4 | 969.2 | 971.6 |
| 5°    | 959.8 | 961.0 | 962.2 | 959.8 | 965.7 | 962.2 | 962.2 | 968.1 | 965.7 | 964.5 | 968.1 |
| 7.5°  | 949.3 | 950.5 | 952.8 | 951.6 | 956.3 | 954.0 | 955.1 | 961.0 | 958.7 | 958.7 | 962.2 |
| 10°   | 936.4 | 938.7 | 941.1 | 941.1 | 946.9 | 944.6 | 944.6 | 951.6 | 949.3 | 950.5 | 955.1 |
| 12.5° | 921.1 | 924.6 | 928.1 | 929.3 | 935.2 | 931.7 | 932.8 | 941.1 | 939.9 | 941.1 | 945.8 |
| 15°   | 904.6 | 909.3 | 912.9 | 912.9 | 919.9 | 916.4 | 919.9 | 928.1 | 925.8 | 930.5 | 936.4 |
| 17.5° | 885.8 | 890.5 | 895.2 | 896.4 | 903.5 | 901.1 | 905.8 | 914.0 | 914.0 | 916.4 | 923.4 |
| 20°   | 868.2 | 874.1 | 876.4 | 880.0 | 887.0 | 885.8 | 888.2 | 897.6 | 897.6 | 901.1 | 908.2 |
| 22.5° | 844.7 | 850.6 | 855.3 | 858.8 | 864.7 | 864.7 | 868.2 | 876.4 | 876.4 | 878.8 | 885.8 |
| 25°   | 818.9 | 825.9 | 829.4 | 833.0 | 838.8 | 837.7 | 841.2 | 848.2 | 849.4 | 851.8 | 858.8 |
| 27.5° | 786.0 | 791.8 | 796.5 | 798.9 | 807.1 | 802.4 | 805.9 | 814.2 | 813.0 | 815.3 | 821.2 |
| 30°   | 744.9 | 750.7 | 755.4 | 755.4 | 762.5 | 762.5 | 766.0 | 769.5 | 769.5 | 771.9 | 776.6 |
| 32.5° | 696.7 | 703.7 | 703.7 | 707.3 | 712.0 | 707.3 | 712.0 | 716.7 | 714.3 | 717.8 | 721.4 |
| 35°   | 641.5 | 645.0 | 646.2 | 646.2 | 649.7 | 648.5 | 647.3 | 650.9 | 648.5 | 654.4 | 657.9 |
| 37.5° | 574.5 | 579.2 | 576.8 | 579.2 | 578.0 | 574.5 | 574.5 | 580.4 | 575.7 | 576.8 | 580.4 |
| 40°   | 509.9 | 509.9 | 508.7 | 502.8 | 504.0 | 500.5 | 499.3 | 500.5 | 495.8 | 494.6 | 499.3 |
| 42.5° | 442.9 | 441.7 | 438.2 | 430.0 | 431.2 | 425.3 | 420.6 | 420.6 | 418.2 | 417.1 | 418.2 |
| 45°   | 383.0 | 379.5 | 373.6 | 364.2 | 361.9 | 357.2 | 347.8 | 345.4 | 341.9 | 341.9 | 343.1 |
| 47.5° | 327.8 | 323.1 | 313.7 | 303.1 | 297.2 | 291.4 | 282.0 | 278.4 | 272.6 | 270.2 | 272.6 |
| 50°   | 282.0 | 273.7 | 262.0 | 246.7 | 240.8 | 233.8 | 224.4 | 218.5 | 212.6 | 210.3 | 209.1 |
| 52.5° | 239.7 | 227.9 | 216.2 | 197.4 | 192.7 | 185.6 | 172.7 | 166.8 | 161.0 | 156.3 | 156.3 |
| 55°   | 203.2 | 192.7 | 176.2 | 158.6 | 151.6 | 144.5 | 131.6 | 123.4 | 117.5 | 115.1 | 112.8 |
| 57.5° | 170.4 | 158.6 | 143.3 | 124.5 | 117.5 | 110.4 | 97.5  | 89.3  | 83.4  | 79.9  | 77.5  |
| 60°   | 143.3 | 130.4 | 115.1 | 98.7  | 90.5  | 83.4  | 70.5  | 62.3  | 56.4  | 52.9  | 50.5  |
| 62.5° | 117.5 | 106.9 | 91.6  | 76.4  | 69.3  | 62.3  | 51.7  | 43.5  | 37.6  | 35.2  | 31.7  |
| 65°   | 98.7  | 88.1  | 74.0  | 61.1  | 55.2  | 48.2  | 38.8  | 31.7  | 27.0  | 23.5  | 21.1  |
| 67.5° | 79.9  | 71.7  | 59.9  | 48.2  | 42.3  | 37.6  | 29.4  | 23.5  | 18.8  | 16.4  | 15.3  |
| 70°   | 63.4  | 55.2  | 45.8  | 36.4  | 32.9  | 28.2  | 22.3  | 16.4  | 14.1  | 11.7  | 10.6  |
| 72.5° | 47.0  | 41.1  | 34.1  | 27.0  | 23.5  | 21.1  | 15.3  | 12.9  | 9.4   | 8.2   | 7.0   |
| 75°   | 34.1  | 29.4  | 24.7  | 18.8  | 16.4  | 15.3  | 11.7  | 8.2   | 7.0   | 5.9   | 4.7   |
| 77.5° | 23.5  | 21.1  | 16.4  | 12.9  | 11.7  | 10.6  | 8.2   | 5.9   | 4.7   | 3.5   | 3.5   |
| 80°   | 15.3  | 12.9  | 10.6  | 8.2   | 8.2   | 7.0   | 4.7   | 3.5   | 3.5   | 2.3   | 2.3   |
| 82.5° | 9.4   | 8.2   | 7.0   | 5.9   | 4.7   | 4.7   | 3.5   | 2.3   | 2.3   | 1.2   | 1.2   |
| 85°   | 5.9   | 4.7   | 3.5   | 3.5   | 2.3   | 2.3   | 2.3   | 1.2   | 1.2   | 1.2   | 1.2   |
| 87.5° | 2.3   | 2.3   | 2.3   | 1.2   | 1.2   | 1.2   | 1.2   | 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   |



TEST NUMBER: P252266

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBSW1H

**CANDELA DISTRIBUTION (continued):**

|       | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 972.8 | 972.8 | 972.8 | 972.8  | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 |
| 2.5°  | 971.6 | 971.6 | 973.9 | 970.4  | 972.8 | 972.8 | 975.1 | 970.4 | 972.8 | 973.9 | 976.3 |
| 5°    | 966.9 | 968.1 | 970.4 | 969.2  | 970.4 | 970.4 | 972.8 | 966.9 | 971.6 | 971.6 | 975.1 |
| 7.5°  | 962.2 | 962.2 | 964.5 | 963.4  | 965.7 | 966.9 | 969.2 | 964.5 | 969.2 | 969.2 | 972.8 |
| 10°   | 956.3 | 956.3 | 959.8 | 958.7  | 962.2 | 963.4 | 966.9 | 962.2 | 966.9 | 968.1 | 971.6 |
| 12.5° | 948.1 | 949.3 | 952.8 | 952.8  | 956.3 | 958.7 | 962.2 | 959.8 | 965.7 | 966.9 | 971.6 |
| 15°   | 938.7 | 941.1 | 945.8 | 944.6  | 948.1 | 951.6 | 956.3 | 952.8 | 961.0 | 963.4 | 968.1 |
| 17.5° | 927.0 | 929.3 | 932.8 | 932.8  | 936.4 | 938.7 | 944.6 | 942.2 | 949.3 | 950.5 | 956.3 |
| 20°   | 909.3 | 912.9 | 917.6 | 916.4  | 919.9 | 922.3 | 927.0 | 924.6 | 931.7 | 934.0 | 939.9 |
| 22.5° | 888.2 | 890.5 | 894.1 | 894.1  | 897.6 | 899.9 | 904.6 | 901.1 | 908.2 | 909.3 | 914.0 |
| 25°   | 860.0 | 862.3 | 864.7 | 865.9  | 869.4 | 870.6 | 872.9 | 870.6 | 876.4 | 877.6 | 883.5 |
| 27.5° | 823.6 | 824.7 | 828.3 | 828.3  | 830.6 | 831.8 | 835.3 | 830.6 | 838.8 | 838.8 | 842.4 |
| 30°   | 780.1 | 778.9 | 783.6 | 781.3  | 783.6 | 783.6 | 787.1 | 784.8 | 790.7 | 788.3 | 791.8 |
| 32.5° | 722.5 | 724.9 | 724.9 | 722.5  | 727.2 | 726.1 | 726.1 | 723.7 | 727.2 | 728.4 | 730.8 |
| 35°   | 655.6 | 659.1 | 659.1 | 660.3  | 661.4 | 657.9 | 659.1 | 652.0 | 657.9 | 659.1 | 660.3 |
| 37.5° | 582.7 | 579.2 | 581.5 | 578.0  | 583.9 | 576.8 | 576.8 | 572.1 | 576.8 | 576.8 | 578.0 |
| 40°   | 499.3 | 498.1 | 500.5 | 498.1  | 497.0 | 495.8 | 493.4 | 489.9 | 494.6 | 492.3 | 495.8 |
| 42.5° | 420.6 | 419.4 | 419.4 | 417.1  | 415.9 | 415.9 | 413.5 | 411.2 | 410.0 | 410.0 | 415.9 |
| 45°   | 339.5 | 341.9 | 339.5 | 338.4  | 340.7 | 338.4 | 339.5 | 334.8 | 337.2 | 334.8 | 337.2 |
| 47.5° | 271.4 | 272.6 | 270.2 | 267.9  | 271.4 | 267.9 | 267.9 | 264.3 | 269.0 | 269.0 | 266.7 |
| 50°   | 210.3 | 209.1 | 206.8 | 209.1  | 207.9 | 207.9 | 207.9 | 204.4 | 206.8 | 203.2 | 205.6 |
| 52.5° | 155.1 | 153.9 | 153.9 | 152.7  | 153.9 | 152.7 | 152.7 | 151.6 | 151.6 | 150.4 | 151.6 |
| 55°   | 112.8 | 111.6 | 109.3 | 109.3  | 109.3 | 110.4 | 109.3 | 108.1 | 108.1 | 106.9 | 108.1 |
| 57.5° | 76.4  | 74.0  | 74.0  | 74.0   | 74.0  | 72.8  | 72.8  | 71.7  | 72.8  | 71.7  | 72.8  |
| 60°   | 49.3  | 49.3  | 47.0  | 47.0   | 47.0  | 47.0  | 47.0  | 45.8  | 47.0  | 47.0  | 47.0  |
| 62.5° | 30.5  | 30.5  | 29.4  | 28.2   | 29.4  | 28.2  | 28.2  | 28.2  | 29.4  | 28.2  | 29.4  |
| 65°   | 20.0  | 18.8  | 18.8  | 18.8   | 18.8  | 18.8  | 18.8  | 18.8  | 18.8  | 18.8  | 18.8  |
| 67.5° | 14.1  | 12.9  | 12.9  | 12.9   | 12.9  | 12.9  | 12.9  | 11.7  | 12.9  | 12.9  | 12.9  |
| 70°   | 9.4   | 9.4   | 8.2   | 8.2    | 8.2   | 8.2   | 8.2   | 8.2   | 8.2   | 8.2   | 8.2   |
| 72.5° | 5.9   | 5.9   | 5.9   | 5.9    | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 75°   | 4.7   | 3.5   | 3.5   | 3.5    | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   |
| 77.5° | 3.5   | 2.3   | 2.3   | 2.3    | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   |
| 80°   | 2.3   | 2.3   | 1.2   | 1.2    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 82.5° | 1.2   | 1.2   | 1.2   | 1.2    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 85°   | 1.2   | 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   | 1.2   | 1.2    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 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: P252266

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBSW1H

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 972.8 | 972.8 | 972.8  | 972.8 | 972.8 | 972.8 | 972.8 | 972.8 |
| 2.5°  | 972.8 | 973.9 | 971.6  | 972.8 | 970.4 | 972.8 | 973.9 | 976.3 |
| 5°    | 970.4 | 971.6 | 969.2  | 971.6 | 969.2 | 971.6 | 972.8 | 975.1 |
| 7.5°  | 968.1 | 970.4 | 968.1  | 970.4 | 968.1 | 970.4 | 971.6 | 973.9 |
| 10°   | 968.1 | 971.6 | 969.2  | 972.8 | 969.2 | 971.6 | 973.9 | 975.1 |
| 12.5° | 968.1 | 971.6 | 970.4  | 972.8 | 971.6 | 973.9 | 976.3 | 978.6 |
| 15°   | 965.7 | 969.2 | 966.9  | 970.4 | 969.2 | 970.4 | 975.1 | 975.1 |
| 17.5° | 952.8 | 956.3 | 956.3  | 958.7 | 958.7 | 962.2 | 964.5 | 966.9 |
| 20°   | 936.4 | 939.9 | 938.7  | 942.2 | 942.2 | 945.8 | 948.1 | 950.5 |
| 22.5° | 911.7 | 916.4 | 915.2  | 918.7 | 917.6 | 919.9 | 924.6 | 923.4 |
| 25°   | 880.0 | 885.8 | 884.7  | 887.0 | 885.8 | 885.8 | 888.2 | 889.4 |
| 27.5° | 841.2 | 844.7 | 843.5  | 845.9 | 843.5 | 845.9 | 848.2 | 849.4 |
| 30°   | 790.7 | 793.0 | 791.8  | 793.0 | 791.8 | 794.2 | 795.4 | 797.7 |
| 32.5° | 729.6 | 733.1 | 729.6  | 731.9 | 730.8 | 730.8 | 735.5 | 733.1 |
| 35°   | 656.7 | 657.9 | 659.1  | 659.1 | 656.7 | 657.9 | 660.3 | 660.3 |
| 37.5° | 575.7 | 581.5 | 574.5  | 578.0 | 576.8 | 576.8 | 576.8 | 580.4 |
| 40°   | 491.1 | 492.3 | 489.9  | 489.9 | 489.9 | 488.7 | 493.4 | 492.3 |
| 42.5° | 411.2 | 412.4 | 411.2  | 407.7 | 408.8 | 408.8 | 412.4 | 407.7 |
| 45°   | 333.7 | 336.0 | 334.8  | 334.8 | 332.5 | 332.5 | 333.7 | 331.3 |
| 47.5° | 264.3 | 266.7 | 263.2  | 264.3 | 262.0 | 264.3 | 263.2 | 265.5 |
| 50°   | 200.9 | 203.2 | 202.1  | 203.2 | 203.2 | 200.9 | 204.4 | 199.7 |
| 52.5° | 150.4 | 151.6 | 150.4  | 149.2 | 148.0 | 148.0 | 150.4 | 149.2 |
| 55°   | 106.9 | 105.7 | 105.7  | 105.7 | 106.9 | 106.9 | 105.7 | 104.6 |
| 57.5° | 71.7  | 71.7  | 70.5   | 70.5  | 71.7  | 69.3  | 70.5  | 69.3  |
| 60°   | 45.8  | 45.8  | 45.8   | 45.8  | 44.6  | 45.8  | 45.8  | 45.8  |
| 62.5° | 28.2  | 28.2  | 28.2   | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  |
| 65°   | 18.8  | 18.8  | 18.8   | 18.8  | 18.8  | 18.8  | 18.8  | 18.8  |
| 67.5° | 11.7  | 12.9  | 12.9   | 12.9  | 11.7  | 11.7  | 11.7  | 11.7  |
| 70°   | 8.2   | 8.2   | 8.2    | 8.2   | 8.2   | 8.2   | 8.2   | 8.2   |
| 72.5° | 5.9   | 5.9   | 5.9    | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 75°   | 3.5   | 3.5   | 3.5    | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   |
| 77.5° | 2.3   | 2.3   | 2.3    | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   |
| 80°   | 1.2   | 1.2   | 1.2    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 82.5° | 1.2   | 1.2   | 1.2    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 85°   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 1.2   | 1.2   | 1.2    | 1.2   | 1.2   | 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)