

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: P274460

Luminaire Tested: **LD6B20DE010W2N2765 EU6B1020W2N902765 6LBDW0H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274460  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-9)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBDW0H  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, DOUBLE WALLWASH WITH HAZE FINISH  
Light Source: W2N 2700K-6500K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1566.1 lumens  
Efficiency: N/A  
Efficacy: 55.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.21  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

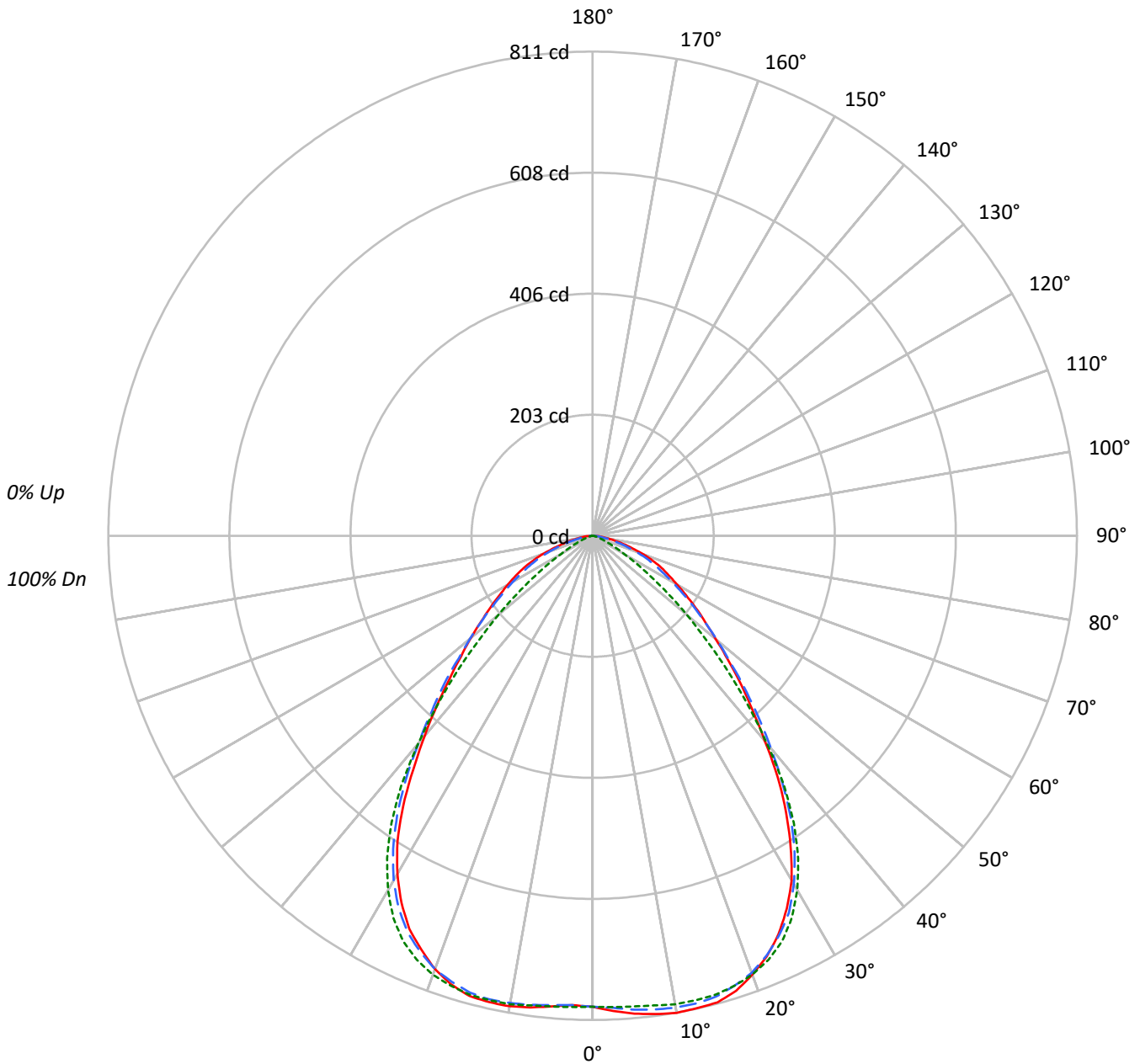
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 94  | 92  | 91  | 89  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  | 88  | 84  | 81  | 85  | 82  | 80  | 78  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 95  | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  | 80  | 75  | 71  | 77  | 74  | 70  | 68  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 89  | 78  | 71  | 65  | 87  | 77  | 70  | 65  | 75  | 69  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 61  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 56  | 65  | 60  | 56  | 54  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 77  | 65  | 57  | 52  | 75  | 64  | 57  | 51  | 63  | 56  | 51  | 61  | 55  | 51  | 59  | 54  | 50  | 48  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 72  | 60  | 52  | 47  | 70  | 59  | 52  | 46  | 58  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 45  | 44  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 67  | 55  | 47  | 42  | 66  | 54  | 47  | 42  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 40  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 63  | 51  | 43  | 38  | 62  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 36  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 59  | 47  | 40  | 35  | 58  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 33  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 51475 | 51475 | 51475 |
| 5°  | 52621 | 51822 | 51822 |
| 10° | 53753 | 52786 | 53011 |
| 15° | 54648 | 53743 | 53899 |
| 20° | 54313 | 54313 | 53619 |
| 25° | 53024 | 53989 | 52297 |
| 30° | 50195 | 51618 | 49268 |
| 35° | 44975 | 46751 | 44091 |
| 40° | 38205 | 38682 | 37260 |
| 45° | 32329 | 29552 | 31204 |
| 50° | 27303 | 20847 | 26957 |
| 55° | 23989 | 13456 | 23738 |
| 60° | 21255 | 8012  | 21412 |
| 65° | 19636 | 4816  | 19636 |
| 70° | 17034 | 2766  | 16614 |
| 75° | 13511 | 1689  | 12654 |
| 80° | 10069 | 1240  | 9656  |
| 85° | 9207  | 823   | 8384  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 76.0   | 4.9       |
| 10°-20°   | 224.8  | 14.4      |
| 20°-30°   | 338.1  | 21.6      |
| 30°-40°   | 355.5  | 22.7      |
| 40°-50°   | 265.6  | 17.0      |
| 50°-60°   | 165.3  | 10.6      |
| 60°-70°   | 94.0   | 6.0       |
| 70°-80°   | 38.7   | 2.5       |
| 80°-90°   | 8.0    | 0.5       |
| 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°    | 638.9  | 40.8      |
| 0°-40°    | 994.4  | 63.5      |
| 0°-60°    | 1425.3 | 91.0      |
| 0°-90°    | 1566.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1566.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 789 | 789 | 789 | 789  | 789  |      |
| 5°  | 804 | 797 | 791 | 789  | 791  | 77   |
| 15° | 809 | 799 | 796 | 792  | 798  | 227  |
| 25° | 737 | 739 | 750 | 733  | 726  | 337  |
| 35° | 565 | 579 | 587 | 570  | 554  | 350  |
| 45° | 350 | 358 | 320 | 352  | 338  | 272  |
| 55° | 211 | 206 | 118 | 203  | 209  | 190  |
| 65° | 127 | 114 | 31  | 114  | 127  | 125  |
| 75° | 54  | 42  | 7   | 41   | 50   | 58   |
| 85° | 12  | 8   | 1   | 7    | 11   | 14   |
| 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°    | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 |
| 2.5°  | 796.8 | 795.7 | 796.8 | 794.6 | 793.5 | 793.5 | 794.6 | 792.4 | 791.3 | 792.4 | 791.3 |
| 5°    | 803.5 | 801.3 | 802.4 | 801.3 | 799.1 | 799.1 | 800.2 | 796.8 | 796.8 | 798.0 | 796.8 |
| 7.5°  | 808.0 | 808.0 | 808.0 | 805.8 | 804.7 | 803.5 | 805.8 | 802.4 | 801.3 | 801.3 | 800.2 |
| 10°   | 811.4 | 810.2 | 811.4 | 809.1 | 806.9 | 805.8 | 808.0 | 805.8 | 803.5 | 805.8 | 802.4 |
| 12.5° | 810.2 | 810.2 | 810.2 | 809.1 | 806.9 | 805.8 | 808.0 | 804.7 | 803.5 | 804.7 | 802.4 |
| 15°   | 809.1 | 805.8 | 806.9 | 805.8 | 802.4 | 802.4 | 803.5 | 800.2 | 798.0 | 801.3 | 799.1 |
| 17.5° | 799.1 | 796.8 | 798.0 | 795.7 | 793.5 | 792.4 | 793.5 | 792.4 | 790.2 | 792.4 | 790.2 |
| 20°   | 782.3 | 782.3 | 783.5 | 781.2 | 779.0 | 777.9 | 780.1 | 777.9 | 775.6 | 779.0 | 779.0 |
| 22.5° | 762.3 | 762.3 | 762.3 | 761.1 | 760.0 | 760.0 | 760.0 | 758.9 | 757.8 | 760.0 | 761.1 |
| 25°   | 736.6 | 735.5 | 736.6 | 737.7 | 736.6 | 735.5 | 736.6 | 736.6 | 734.4 | 738.8 | 738.8 |
| 27.5° | 704.2 | 704.2 | 706.5 | 705.3 | 705.3 | 704.2 | 706.5 | 706.5 | 705.3 | 708.7 | 712.0 |
| 30°   | 666.3 | 664.0 | 666.3 | 666.3 | 667.4 | 667.4 | 668.5 | 668.5 | 668.5 | 671.9 | 674.1 |
| 32.5° | 617.2 | 618.3 | 621.6 | 620.5 | 619.4 | 622.7 | 622.7 | 625.0 | 626.1 | 628.3 | 629.4 |
| 35°   | 564.7 | 565.8 | 565.8 | 566.9 | 569.2 | 566.9 | 572.5 | 571.4 | 572.5 | 577.0 | 579.2 |
| 37.5° | 508.9 | 505.6 | 511.1 | 508.9 | 510.0 | 510.0 | 512.3 | 513.4 | 516.7 | 522.3 | 522.3 |
| 40°   | 448.6 | 449.8 | 452.0 | 453.1 | 454.2 | 454.2 | 454.2 | 457.6 | 458.7 | 465.4 | 464.3 |
| 42.5° | 396.2 | 396.2 | 398.4 | 399.5 | 399.5 | 399.5 | 399.5 | 402.9 | 405.1 | 407.4 | 409.6 |
| 45°   | 350.4 | 347.1 | 349.3 | 349.3 | 351.6 | 350.4 | 352.7 | 354.9 | 356.0 | 359.4 | 358.2 |
| 47.5° | 306.9 | 305.8 | 306.9 | 308.0 | 306.9 | 308.0 | 309.1 | 310.3 | 311.4 | 311.4 | 311.4 |
| 50°   | 269.0 | 269.0 | 270.1 | 271.2 | 271.2 | 271.2 | 271.2 | 272.3 | 272.3 | 274.5 | 272.3 |
| 52.5° | 237.7 | 238.8 | 238.8 | 237.7 | 238.8 | 238.8 | 239.9 | 239.9 | 238.8 | 238.8 | 235.5 |
| 55°   | 210.9 | 209.8 | 210.9 | 209.8 | 210.9 | 210.9 | 209.8 | 209.8 | 208.7 | 207.6 | 206.5 |
| 57.5° | 185.3 | 185.3 | 185.3 | 185.3 | 184.1 | 185.3 | 184.1 | 183.0 | 183.0 | 180.8 | 177.4 |
| 60°   | 162.9 | 162.9 | 162.9 | 162.9 | 162.9 | 161.8 | 162.9 | 161.8 | 159.6 | 157.4 | 152.9 |
| 62.5° | 144.0 | 142.9 | 144.0 | 142.9 | 142.9 | 141.7 | 141.7 | 140.6 | 138.4 | 136.2 | 131.7 |
| 65°   | 127.2 | 128.3 | 127.2 | 127.2 | 126.1 | 125.0 | 125.0 | 123.9 | 120.5 | 118.3 | 113.8 |
| 67.5° | 109.4 | 108.3 | 108.3 | 108.3 | 107.1 | 107.1 | 107.1 | 104.9 | 102.7 | 99.3  | 94.9  |
| 70°   | 89.3  | 89.3  | 89.3  | 88.2  | 88.2  | 87.1  | 87.1  | 85.9  | 83.7  | 81.5  | 75.9  |
| 72.5° | 70.3  | 70.3  | 70.3  | 68.1  | 69.2  | 68.1  | 68.1  | 65.8  | 64.7  | 61.4  | 58.0  |
| 75°   | 53.6  | 53.6  | 52.5  | 52.5  | 51.3  | 50.2  | 50.2  | 49.1  | 48.0  | 45.8  | 42.4  |
| 77.5° | 39.1  | 39.1  | 39.1  | 37.9  | 36.8  | 35.7  | 35.7  | 34.6  | 33.5  | 32.4  | 30.1  |
| 80°   | 26.8  | 26.8  | 26.8  | 26.8  | 25.7  | 24.6  | 24.6  | 23.4  | 23.4  | 22.3  | 20.1  |
| 82.5° | 17.9  | 17.9  | 17.9  | 17.9  | 16.7  | 16.7  | 16.7  | 15.6  | 14.5  | 14.5  | 12.3  |
| 85°   | 12.3  | 12.3  | 11.2  | 11.2  | 11.2  | 11.2  | 10.0  | 10.0  | 8.9   | 7.8   | 7.8   |
| 87.5° | 6.7   | 6.7   | 6.7   | 6.7   | 5.6   | 5.6   | 5.6   | 5.6   | 4.5   | 4.5   | 3.3   |
| 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°    | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 |
| 2.5°  | 794.6 | 794.6 | 793.5 | 790.2 | 791.3 | 790.2 | 791.3 | 790.2 | 786.8 | 790.2 | 786.8 |
| 5°    | 799.1 | 800.2 | 798.0 | 793.5 | 794.6 | 793.5 | 793.5 | 792.4 | 789.0 | 791.3 | 789.0 |
| 7.5°  | 803.5 | 802.4 | 801.3 | 796.8 | 798.0 | 796.8 | 796.8 | 794.6 | 791.3 | 793.5 | 790.2 |
| 10°   | 805.8 | 805.8 | 803.5 | 799.1 | 799.1 | 798.0 | 799.1 | 798.0 | 793.5 | 796.8 | 794.6 |
| 12.5° | 805.8 | 804.7 | 804.7 | 799.1 | 800.2 | 799.1 | 800.2 | 798.0 | 794.6 | 796.8 | 795.7 |
| 15°   | 802.4 | 802.4 | 801.3 | 795.7 | 796.8 | 796.8 | 798.0 | 795.7 | 792.4 | 795.7 | 793.5 |
| 17.5° | 795.7 | 795.7 | 794.6 | 790.2 | 792.4 | 792.4 | 793.5 | 791.3 | 787.9 | 790.2 | 790.2 |
| 20°   | 782.3 | 783.5 | 783.5 | 780.1 | 782.3 | 782.3 | 783.5 | 782.3 | 781.2 | 782.3 | 780.1 |
| 22.5° | 766.7 | 768.9 | 768.9 | 765.6 | 767.8 | 767.8 | 771.2 | 770.1 | 767.8 | 768.9 | 767.8 |
| 25°   | 743.3 | 745.5 | 747.7 | 745.5 | 747.7 | 747.7 | 751.1 | 750.0 | 747.7 | 750.0 | 746.6 |
| 27.5° | 716.5 | 717.6 | 719.8 | 717.6 | 721.0 | 719.8 | 723.2 | 722.1 | 718.7 | 722.1 | 721.0 |
| 30°   | 678.5 | 683.0 | 686.4 | 683.0 | 686.4 | 686.4 | 688.6 | 687.5 | 686.4 | 685.2 | 685.2 |
| 32.5° | 636.1 | 640.6 | 640.6 | 639.5 | 641.7 | 641.7 | 642.8 | 640.6 | 639.5 | 640.6 | 641.7 |
| 35°   | 583.7 | 585.9 | 588.2 | 587.0 | 588.2 | 589.3 | 588.2 | 589.3 | 585.9 | 587.0 | 587.0 |
| 37.5° | 526.8 | 529.0 | 529.0 | 525.7 | 527.9 | 527.9 | 525.7 | 525.7 | 523.4 | 525.7 | 521.2 |
| 40°   | 466.5 | 464.3 | 465.4 | 463.2 | 460.9 | 460.9 | 459.8 | 455.3 | 453.1 | 454.2 | 455.3 |
| 42.5° | 407.4 | 407.4 | 404.0 | 398.4 | 392.8 | 392.8 | 389.5 | 387.3 | 382.8 | 385.0 | 383.9 |
| 45°   | 357.1 | 351.6 | 347.1 | 338.2 | 334.8 | 332.6 | 327.0 | 321.4 | 319.2 | 320.3 | 319.2 |
| 47.5° | 309.1 | 304.7 | 293.5 | 281.2 | 277.9 | 274.5 | 267.8 | 261.2 | 258.9 | 256.7 | 256.7 |
| 50°   | 269.0 | 261.2 | 248.9 | 235.5 | 229.9 | 224.3 | 215.4 | 208.7 | 204.2 | 205.4 | 205.4 |
| 52.5° | 232.1 | 223.2 | 208.7 | 192.0 | 185.3 | 178.6 | 170.8 | 162.9 | 159.6 | 158.5 | 158.5 |
| 55°   | 199.8 | 189.7 | 175.2 | 156.2 | 150.7 | 142.9 | 132.8 | 123.9 | 119.4 | 118.3 | 120.5 |
| 57.5° | 170.8 | 161.8 | 145.1 | 126.1 | 119.4 | 111.6 | 101.6 | 93.7  | 88.2  | 87.1  | 88.2  |
| 60°   | 147.3 | 135.0 | 120.5 | 102.7 | 93.7  | 87.1  | 75.9  | 69.2  | 63.6  | 61.4  | 62.5  |
| 62.5° | 123.9 | 112.7 | 98.2  | 80.4  | 73.7  | 67.0  | 56.9  | 49.1  | 44.6  | 43.5  | 44.6  |
| 65°   | 106.0 | 94.9  | 81.5  | 65.8  | 59.1  | 52.5  | 43.5  | 35.7  | 32.4  | 31.2  | 32.4  |
| 67.5° | 88.2  | 78.1  | 67.0  | 52.5  | 46.9  | 41.3  | 32.4  | 26.8  | 22.3  | 21.2  | 22.3  |
| 70°   | 71.4  | 62.5  | 51.3  | 41.3  | 35.7  | 31.2  | 24.6  | 19.0  | 15.6  | 14.5  | 15.6  |
| 72.5° | 53.6  | 46.9  | 39.1  | 30.1  | 26.8  | 23.4  | 17.9  | 13.4  | 11.2  | 10.0  | 11.2  |
| 75°   | 39.1  | 33.5  | 27.9  | 21.2  | 19.0  | 16.7  | 12.3  | 8.9   | 7.8   | 6.7   | 7.8   |
| 77.5° | 26.8  | 23.4  | 19.0  | 14.5  | 12.3  | 11.2  | 7.8   | 6.7   | 5.6   | 4.5   | 4.5   |
| 80°   | 17.9  | 15.6  | 12.3  | 10.0  | 8.9   | 7.8   | 5.6   | 4.5   | 3.3   | 3.3   | 3.3   |
| 82.5° | 11.2  | 8.9   | 7.8   | 5.6   | 4.5   | 4.5   | 3.3   | 2.2   | 2.2   | 2.2   | 2.2   |
| 85°   | 6.7   | 5.6   | 4.5   | 3.3   | 2.2   | 2.2   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 87.5° | 3.3   | 2.2   | 2.2   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 0.0   | 0.0   | 1.1   |
| 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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CATALOG NUMBER: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBDW0H

**CANDELA DISTRIBUTION (continued):**

|       | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 789.0 | 789.0 | 789.0 | 789.0  | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 |
| 2.5°  | 789.0 | 786.8 | 786.8 | 787.9  | 789.0 | 790.2 | 787.9 | 786.8 | 786.8 | 790.2 | 787.9 |
| 5°    | 789.0 | 787.9 | 787.9 | 787.9  | 790.2 | 791.3 | 789.0 | 787.9 | 789.0 | 792.4 | 791.3 |
| 7.5°  | 792.4 | 790.2 | 791.3 | 791.3  | 792.4 | 794.6 | 792.4 | 791.3 | 792.4 | 795.7 | 793.5 |
| 10°   | 794.6 | 792.4 | 793.5 | 792.4  | 795.7 | 796.8 | 794.6 | 793.5 | 794.6 | 799.1 | 798.0 |
| 12.5° | 795.7 | 794.6 | 794.6 | 793.5  | 796.8 | 798.0 | 795.7 | 794.6 | 795.7 | 799.1 | 798.0 |
| 15°   | 793.5 | 792.4 | 792.4 | 792.4  | 794.6 | 796.8 | 793.5 | 792.4 | 792.4 | 795.7 | 794.6 |
| 17.5° | 789.0 | 786.8 | 786.8 | 786.8  | 787.9 | 789.0 | 785.7 | 784.6 | 783.5 | 786.8 | 785.7 |
| 20°   | 781.2 | 779.0 | 776.8 | 776.8  | 777.9 | 777.9 | 775.6 | 772.3 | 772.3 | 773.4 | 771.2 |
| 22.5° | 766.7 | 765.6 | 763.4 | 762.3  | 764.5 | 763.4 | 758.9 | 755.6 | 754.4 | 755.6 | 753.3 |
| 25°   | 746.6 | 744.4 | 743.3 | 742.2  | 743.3 | 742.2 | 737.7 | 733.2 | 733.2 | 733.2 | 729.9 |
| 27.5° | 718.7 | 716.5 | 715.4 | 715.4  | 716.5 | 714.3 | 709.8 | 705.3 | 703.1 | 703.1 | 699.8 |
| 30°   | 683.0 | 683.0 | 681.9 | 680.8  | 679.7 | 679.7 | 673.0 | 668.5 | 666.3 | 667.4 | 665.2 |
| 32.5° | 639.5 | 638.4 | 637.3 | 633.9  | 635.0 | 633.9 | 628.3 | 625.0 | 621.6 | 619.4 | 618.3 |
| 35°   | 583.7 | 583.7 | 582.6 | 582.6  | 582.6 | 581.5 | 575.9 | 572.5 | 570.3 | 569.2 | 565.8 |
| 37.5° | 522.3 | 521.2 | 520.1 | 520.1  | 520.1 | 520.1 | 516.7 | 513.4 | 513.4 | 512.3 | 510.0 |
| 40°   | 453.1 | 454.2 | 455.3 | 454.2  | 457.6 | 460.9 | 456.5 | 454.2 | 453.1 | 456.5 | 452.0 |
| 42.5° | 386.1 | 385.0 | 390.6 | 391.7  | 391.7 | 397.3 | 398.4 | 399.5 | 398.4 | 400.7 | 400.7 |
| 45°   | 321.4 | 320.3 | 325.9 | 328.1  | 333.7 | 340.4 | 343.7 | 349.3 | 351.6 | 353.8 | 351.6 |
| 47.5° | 260.0 | 264.5 | 269.0 | 274.5  | 279.0 | 290.2 | 296.9 | 302.4 | 304.7 | 308.0 | 308.0 |
| 50°   | 208.7 | 213.2 | 221.0 | 225.4  | 231.0 | 244.4 | 255.6 | 263.4 | 267.8 | 271.2 | 270.1 |
| 52.5° | 160.7 | 168.5 | 178.6 | 183.0  | 190.8 | 206.5 | 218.7 | 227.7 | 233.3 | 236.6 | 237.7 |
| 55°   | 123.9 | 130.6 | 140.6 | 147.3  | 155.1 | 171.9 | 187.5 | 197.5 | 203.1 | 207.6 | 209.8 |
| 57.5° | 91.5  | 99.3  | 110.5 | 116.1  | 125.0 | 144.0 | 157.4 | 169.6 | 176.3 | 181.9 | 183.0 |
| 60°   | 67.0  | 74.8  | 84.8  | 91.5   | 100.4 | 119.4 | 135.0 | 146.2 | 154.0 | 158.5 | 160.7 |
| 62.5° | 48.0  | 55.8  | 65.8  | 72.5   | 80.4  | 97.1  | 112.7 | 123.9 | 131.7 | 137.3 | 140.6 |
| 65°   | 34.6  | 42.4  | 52.5  | 58.0   | 64.7  | 80.4  | 94.9  | 106.0 | 113.8 | 120.5 | 122.8 |
| 67.5° | 25.7  | 31.2  | 40.2  | 45.8   | 52.5  | 64.7  | 77.0  | 87.1  | 94.9  | 100.4 | 102.7 |
| 70°   | 19.0  | 23.4  | 31.2  | 34.6   | 39.1  | 50.2  | 60.3  | 69.2  | 75.9  | 80.4  | 82.6  |
| 72.5° | 13.4  | 16.7  | 22.3  | 25.7   | 29.0  | 37.9  | 45.8  | 52.5  | 56.9  | 61.4  | 63.6  |
| 75°   | 8.9   | 11.2  | 15.6  | 17.9   | 20.1  | 26.8  | 32.4  | 37.9  | 41.3  | 44.6  | 45.8  |
| 77.5° | 5.6   | 7.8   | 11.2  | 12.3   | 14.5  | 17.9  | 22.3  | 25.7  | 27.9  | 30.1  | 32.4  |
| 80°   | 3.3   | 4.5   | 6.7   | 7.8    | 8.9   | 12.3  | 14.5  | 16.7  | 19.0  | 21.2  | 22.3  |
| 82.5° | 2.2   | 3.3   | 4.5   | 4.5    | 5.6   | 6.7   | 8.9   | 11.2  | 12.3  | 13.4  | 14.5  |
| 85°   | 1.1   | 1.1   | 2.2   | 2.2    | 3.3   | 3.3   | 4.5   | 5.6   | 6.7   | 7.8   | 8.9   |
| 87.5° | 1.1   | 1.1   | 1.1   | 1.1    | 2.2   | 2.2   | 3.3   | 3.3   | 3.3   | 4.5   | 4.5   |
| 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: P274460

CATALOG NUMBER: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBDW0H

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 789.0 | 789.0 | 789.0  | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 |
| 2.5°  | 785.7 | 789.0 | 785.7  | 787.9 | 786.8 | 786.8 | 785.7 | 786.8 |
| 5°    | 789.0 | 793.5 | 789.0  | 792.4 | 790.2 | 790.2 | 790.2 | 791.3 |
| 7.5°  | 792.4 | 796.8 | 793.5  | 796.8 | 795.7 | 794.6 | 794.6 | 796.8 |
| 10°   | 795.7 | 799.1 | 796.8  | 800.2 | 799.1 | 798.0 | 798.0 | 800.2 |
| 12.5° | 795.7 | 800.2 | 798.0  | 801.3 | 800.2 | 799.1 | 799.1 | 800.2 |
| 15°   | 792.4 | 798.0 | 794.6  | 798.0 | 796.8 | 795.7 | 795.7 | 798.0 |
| 17.5° | 782.3 | 786.8 | 784.6  | 786.8 | 786.8 | 785.7 | 786.8 | 787.9 |
| 20°   | 768.9 | 772.3 | 770.1  | 772.3 | 772.3 | 770.1 | 771.2 | 772.3 |
| 22.5° | 750.0 | 753.3 | 751.1  | 753.3 | 752.2 | 751.1 | 751.1 | 750.0 |
| 25°   | 726.5 | 731.0 | 727.7  | 729.9 | 727.7 | 725.4 | 725.4 | 726.5 |
| 27.5° | 697.5 | 700.9 | 696.4  | 698.6 | 696.4 | 694.2 | 694.2 | 693.1 |
| 30°   | 659.6 | 660.7 | 657.3  | 659.6 | 657.3 | 656.2 | 654.0 | 654.0 |
| 32.5° | 613.8 | 614.9 | 611.6  | 611.6 | 609.4 | 609.4 | 604.9 | 608.2 |
| 35°   | 560.2 | 561.4 | 560.2  | 559.1 | 555.8 | 554.7 | 553.6 | 553.6 |
| 37.5° | 504.4 | 504.4 | 501.1  | 500.0 | 497.8 | 495.5 | 496.6 | 493.3 |
| 40°   | 447.5 | 446.4 | 443.1  | 444.2 | 443.1 | 439.7 | 438.6 | 437.5 |
| 42.5° | 394.0 | 394.0 | 390.6  | 391.7 | 389.5 | 388.4 | 385.0 | 386.1 |
| 45°   | 347.1 | 347.1 | 343.7  | 343.7 | 342.6 | 339.3 | 340.4 | 338.2 |
| 47.5° | 304.7 | 304.7 | 303.6  | 303.6 | 300.2 | 299.1 | 299.1 | 299.1 |
| 50°   | 267.8 | 267.8 | 267.8  | 267.8 | 266.7 | 265.6 | 264.5 | 265.6 |
| 52.5° | 236.6 | 238.8 | 237.7  | 237.7 | 236.6 | 235.5 | 234.4 | 234.4 |
| 55°   | 208.7 | 209.8 | 209.8  | 210.9 | 209.8 | 208.7 | 209.8 | 208.7 |
| 57.5° | 184.1 | 186.4 | 186.4  | 186.4 | 186.4 | 186.4 | 185.3 | 184.1 |
| 60°   | 162.9 | 164.1 | 164.1  | 165.2 | 165.2 | 165.2 | 164.1 | 164.1 |
| 62.5° | 141.7 | 144.0 | 145.1  | 145.1 | 146.2 | 145.1 | 145.1 | 145.1 |
| 65°   | 125.0 | 127.2 | 128.3  | 127.2 | 128.3 | 128.3 | 127.2 | 127.2 |
| 67.5° | 104.9 | 107.1 | 107.1  | 107.1 | 107.1 | 108.3 | 107.1 | 107.1 |
| 70°   | 84.8  | 87.1  | 85.9   | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  |
| 72.5° | 64.7  | 65.8  | 67.0   | 67.0  | 68.1  | 67.0  | 67.0  | 67.0  |
| 75°   | 46.9  | 49.1  | 49.1   | 49.1  | 49.1  | 50.2  | 50.2  | 50.2  |
| 77.5° | 33.5  | 34.6  | 34.6   | 35.7  | 35.7  | 35.7  | 35.7  | 36.8  |
| 80°   | 23.4  | 23.4  | 24.6   | 24.6  | 25.7  | 25.7  | 25.7  | 25.7  |
| 82.5° | 15.6  | 16.7  | 16.7   | 16.7  | 16.7  | 16.7  | 16.7  | 16.7  |
| 85°   | 8.9   | 10.0  | 10.0   | 10.0  | 10.0  | 11.2  | 11.2  | 11.2  |
| 87.5° | 5.6   | 5.6   | 5.6    | 5.6   | 5.6   | 5.6   | 4.5   | 4.5   |
| 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)