

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: PORTFOLIO

Report Number: P857253

Luminaire Tested: **LX4C20D010 EX4C209835 4LBLWWH**

Issue Date: 2/14/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857253  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/14/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C20D010 EX4C209835 4LBLWWH  
Description:  
Light Source: -  
Ballast/Driver: -

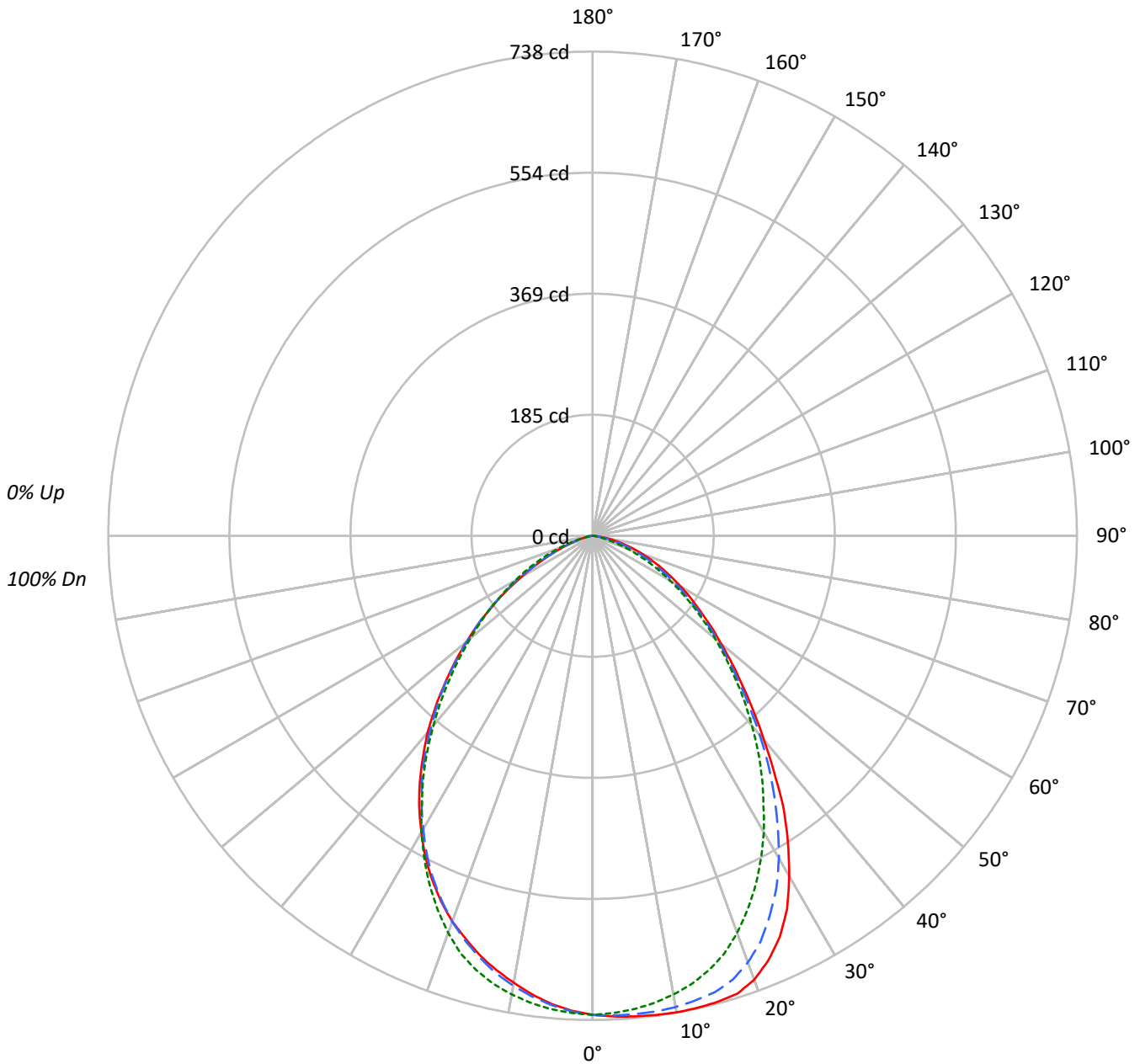
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1376.0 lumens  
Efficiency: N/A  
Efficacy: 63.1 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.8  
Input Voltage (V):  
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





TEST NUMBER: P857253

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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 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 94  | 92  | 90  | 88  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 103 | 96  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 86  | 83  | 88  | 84  | 81  | 85  | 82  | 79  | 77  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 88  | 78  | 70  | 64  | 86  | 77  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 62  | 70  | 65  | 62  | 60  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 82  | 71  | 63  | 57  | 80  | 69  | 62  | 57  | 67  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 53  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 50  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 47  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 71  | 59  | 51  | 46  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 44  | 43  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 67  | 54  | 47  | 41  | 65  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 40  | 39  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 62  | 50  | 43  | 38  | 61  | 50  | 42  | 37  | 49  | 42  | 37  | 47  | 41  | 37  | 47  | 41  | 37  | 35  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 59  | 47  | 39  | 34  | 58  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 89708 | 89708 | 89708 |
| 5°  | 90692 | 89310 | 88336 |
| 10° | 92027 | 88559 | 86314 |
| 15° | 93534 | 87149 | 84262 |
| 20° | 94131 | 84182 | 81764 |
| 25° | 91431 | 79638 | 78418 |
| 30° | 84974 | 74022 | 74050 |
| 35° | 76053 | 67474 | 68899 |
| 40° | 65128 | 60477 | 62690 |
| 45° | 56049 | 53321 | 55319 |
| 50° | 48718 | 46425 | 47820 |
| 55° | 42881 | 39946 | 39582 |
| 60° | 38158 | 33318 | 30689 |
| 65° | 33459 | 26686 | 22209 |
| 70° | 28736 | 18858 | 15015 |
| 75° | 23306 | 10917 | 8781  |
| 80° | 16697 | 4811  | 4386  |
| 85° | 6343  | 1973  | 1973  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 68.8   | 5.0       |
| 10°-20°   | 194.8  | 14.2      |
| 20°-30°   | 278.1  | 20.2      |
| 30°-40°   | 291.0  | 21.1      |
| 40°-50°   | 243.8  | 17.7      |
| 50°-60°   | 170.6  | 12.4      |
| 60°-70°   | 92.9   | 6.8       |
| 70°-80°   | 32.2   | 2.3       |
| 80°-90°   | 3.7    | 0.3       |
| 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°    | 541.7  | 39.4      |
| 0°-40°    | 832.7  | 60.5      |
| 0°-60°    | 1247.1 | 90.6      |
| 0°-90°    | 1376.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1376.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 730 | 730 | 730 | 730  | 730  |      |
| 5°  | 735 | 732 | 724 | 718  | 716  | 70   |
| 15° | 735 | 720 | 685 | 666  | 662  | 208  |
| 25° | 674 | 639 | 588 | 576  | 578  | 308  |
| 35° | 507 | 482 | 450 | 453  | 459  | 314  |
| 45° | 323 | 315 | 307 | 317  | 318  | 251  |
| 55° | 200 | 194 | 186 | 186  | 185  | 181  |
| 65° | 115 | 105 | 92  | 77   | 76   | 115  |
| 75° | 49  | 40  | 23  | 18   | 18   | 53   |
| 85° | 4   | 2   | 1   | 1    | 1    | 8    |
| 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°    | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 |
| 2.5°  | 733.5 | 732.7 | 732.9 | 732.9 | 732.9 | 732.7 | 732.9 | 732.7 | 732.7 | 732.4 | 731.8 |
| 5°    | 735.4 | 734.9 | 734.9 | 734.9 | 734.6 | 734.3 | 734.3 | 734.1 | 733.5 | 733.2 | 732.1 |
| 7.5°  | 736.8 | 736.3 | 736.3 | 736.0 | 735.8 | 735.4 | 735.2 | 734.3 | 733.5 | 732.9 | 731.5 |
| 10°   | 737.7 | 736.8 | 736.8 | 736.3 | 735.8 | 735.4 | 734.9 | 733.7 | 732.7 | 731.2 | 729.3 |
| 12.5° | 737.1 | 736.3 | 736.0 | 735.4 | 734.3 | 733.7 | 733.2 | 731.8 | 729.8 | 727.8 | 725.3 |
| 15°   | 735.4 | 734.9 | 734.3 | 733.5 | 732.1 | 731.2 | 730.7 | 728.5 | 725.9 | 723.1 | 720.0 |
| 17.5° | 732.1 | 731.2 | 730.2 | 729.0 | 727.0 | 726.1 | 724.8 | 722.0 | 718.3 | 714.4 | 709.6 |
| 20°   | 720.0 | 719.5 | 718.3 | 716.3 | 713.3 | 712.1 | 710.2 | 706.5 | 701.7 | 697.0 | 691.9 |
| 22.5° | 700.1 | 699.2 | 697.5 | 695.8 | 693.1 | 691.1 | 689.4 | 684.3 | 679.0 | 674.0 | 669.2 |
| 25°   | 674.5 | 673.7 | 671.4 | 669.2 | 666.4 | 663.0 | 661.3 | 657.4 | 652.0 | 645.6 | 638.6 |
| 27.5° | 641.7 | 638.8 | 638.0 | 635.5 | 631.3 | 630.1 | 627.6 | 622.5 | 617.5 | 611.9 | 606.0 |
| 30°   | 599.0 | 599.0 | 597.3 | 596.1 | 592.2 | 591.1 | 588.3 | 582.9 | 580.2 | 572.3 | 567.8 |
| 32.5° | 553.8 | 553.2 | 551.8 | 550.9 | 548.7 | 546.7 | 544.0 | 541.1 | 535.0 | 531.0 | 524.9 |
| 35°   | 507.1 | 503.7 | 504.4 | 502.7 | 501.2 | 499.0 | 498.8 | 495.6 | 490.0 | 487.8 | 482.2 |
| 37.5° | 454.1 | 452.6 | 454.6 | 452.1 | 450.7 | 451.0 | 448.7 | 446.8 | 444.5 | 440.6 | 439.5 |
| 40°   | 406.1 | 407.2 | 406.9 | 404.7 | 405.7 | 404.4 | 402.1 | 400.1 | 399.1 | 396.5 | 395.7 |
| 42.5° | 363.1 | 361.4 | 360.9 | 360.9 | 361.2 | 361.2 | 360.0 | 358.6 | 358.6 | 356.1 | 353.6 |
| 45°   | 322.6 | 322.6 | 322.1 | 323.8 | 321.3 | 321.3 | 320.4 | 320.1 | 319.0 | 318.4 | 315.3 |
| 47.5° | 287.9 | 287.6 | 287.2 | 287.0 | 286.7 | 286.7 | 285.0 | 283.7 | 283.3 | 281.6 | 280.0 |
| 50°   | 254.9 | 256.6 | 256.1 | 254.7 | 254.1 | 254.4 | 253.3 | 252.5 | 252.2 | 249.3 | 249.7 |
| 52.5° | 227.5 | 227.2 | 227.8 | 226.9 | 225.5 | 225.8 | 224.6 | 223.6 | 222.4 | 221.0 | 219.9 |
| 55°   | 200.2 | 201.6 | 201.1 | 200.2 | 199.9 | 199.4 | 198.5 | 197.2 | 196.8 | 193.8 | 193.5 |
| 57.5° | 177.5 | 177.2 | 176.7 | 175.2 | 175.0 | 174.1 | 174.1 | 173.0 | 171.3 | 169.6 | 168.2 |
| 60°   | 155.3 | 155.3 | 154.4 | 154.2 | 153.0 | 152.8 | 152.5 | 151.3 | 149.4 | 148.0 | 145.7 |
| 62.5° | 133.9 | 134.5 | 133.9 | 133.1 | 132.2 | 131.2 | 130.6 | 129.7 | 128.1 | 126.6 | 124.7 |
| 65°   | 115.1 | 114.9 | 114.6 | 113.4 | 113.2 | 112.0 | 111.7 | 110.0 | 108.4 | 107.3 | 105.0 |
| 67.5° | 97.2  | 96.3  | 96.3  | 95.8  | 95.2  | 94.3  | 93.8  | 92.1  | 90.2  | 89.0  | 86.8  |
| 70°   | 80.0  | 79.5  | 79.5  | 79.5  | 78.0  | 77.2  | 77.0  | 76.1  | 73.3  | 72.1  | 69.9  |
| 72.5° | 64.3  | 64.0  | 63.8  | 62.9  | 62.1  | 62.1  | 60.9  | 59.2  | 57.9  | 56.4  | 54.8  |
| 75°   | 49.1  | 49.7  | 49.1  | 48.0  | 47.7  | 47.2  | 46.4  | 44.9  | 43.5  | 41.8  | 39.9  |
| 77.5° | 35.9  | 35.4  | 34.8  | 34.8  | 34.2  | 33.2  | 32.8  | 31.7  | 30.1  | 28.9  | 26.9  |
| 80°   | 23.6  | 23.3  | 22.7  | 22.2  | 21.9  | 21.6  | 21.3  | 20.2  | 18.5  | 17.7  | 16.0  |
| 82.5° | 12.9  | 12.7  | 12.7  | 12.4  | 11.5  | 11.5  | 11.2  | 10.1  | 9.3   | 8.7   | 7.8   |
| 85°   | 4.5   | 4.5   | 4.5   | 4.2   | 4.2   | 4.2   | 3.9   | 3.7   | 3.4   | 3.1   | 2.5   |
| 87.5° | 0.5   | 0.3   | 0.5   | 0.3   | 0.5   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 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°    | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 |
| 2.5°  | 731.2 | 730.7 | 730.4 | 730.2 | 729.8 | 729.5 | 729.3 | 728.7 | 728.5 | 728.1 | 727.6 |
| 5°    | 731.2 | 730.2 | 729.5 | 728.7 | 728.1 | 727.6 | 726.8 | 725.9 | 725.1 | 724.2 | 723.4 |
| 7.5°  | 730.2 | 728.5 | 727.3 | 725.6 | 725.1 | 724.2 | 722.6 | 721.4 | 720.0 | 718.3 | 716.3 |
| 10°   | 727.3 | 725.3 | 723.1 | 720.9 | 720.0 | 718.6 | 716.3 | 714.4 | 712.1 | 709.9 | 708.0 |
| 12.5° | 722.8 | 719.7 | 717.0 | 713.8 | 712.1 | 710.7 | 707.7 | 704.8 | 702.1 | 699.5 | 696.1 |
| 15°   | 716.1 | 712.4 | 708.8 | 704.6 | 702.6 | 700.9 | 696.5 | 693.1 | 688.5 | 685.2 | 681.8 |
| 17.5° | 705.1 | 699.5 | 695.0 | 689.7 | 686.9 | 684.9 | 680.9 | 675.7 | 671.4 | 667.7 | 663.8 |
| 20°   | 686.3 | 680.9 | 674.8 | 668.9 | 665.8 | 663.3 | 657.7 | 652.0 | 647.9 | 643.9 | 639.7 |
| 22.5° | 661.6 | 654.9 | 650.3 | 643.0 | 640.5 | 637.4 | 630.7 | 625.6 | 620.9 | 616.9 | 613.0 |
| 25°   | 631.5 | 625.6 | 619.5 | 612.7 | 609.7 | 606.0 | 600.4 | 595.1 | 591.9 | 587.5 | 582.7 |
| 27.5° | 597.0 | 592.2 | 584.6 | 578.7 | 575.7 | 572.9 | 567.5 | 562.8 | 558.2 | 555.2 | 550.7 |
| 30°   | 560.5 | 554.9 | 548.2 | 542.0 | 540.3 | 536.9 | 532.1 | 528.5 | 523.7 | 521.8 | 519.8 |
| 32.5° | 520.3 | 513.9 | 508.8 | 504.9 | 501.5 | 498.8 | 496.2 | 490.3 | 489.5 | 484.4 | 483.9 |
| 35°   | 476.5 | 473.7 | 469.0 | 465.6 | 462.8 | 460.9 | 456.6 | 453.8 | 450.7 | 449.9 | 447.9 |
| 37.5° | 435.3 | 431.9 | 427.4 | 424.3 | 422.3 | 422.1 | 418.9 | 417.2 | 415.0 | 413.9 | 411.7 |
| 40°   | 392.0 | 390.6 | 386.7 | 386.1 | 383.0 | 382.7 | 381.0 | 379.1 | 377.1 | 377.1 | 377.4 |
| 42.5° | 352.1 | 350.5 | 348.8 | 346.8 | 345.1 | 345.1 | 344.3 | 343.7 | 343.1 | 342.3 | 343.7 |
| 45°   | 314.8 | 312.6 | 311.4 | 309.4 | 310.3 | 308.6 | 308.1 | 308.1 | 307.2 | 306.9 | 308.9 |
| 47.5° | 280.0 | 277.4 | 276.4 | 275.7 | 275.7 | 276.1 | 273.5 | 274.4 | 274.0 | 274.7 | 275.5 |
| 50°   | 248.3 | 246.0 | 244.3 | 244.3 | 244.6 | 243.4 | 242.4 | 243.2 | 242.4 | 242.9 | 244.9 |
| 52.5° | 218.7 | 216.5 | 215.6 | 215.6 | 214.0 | 213.7 | 214.3 | 213.1 | 213.4 | 213.7 | 214.8 |
| 55°   | 191.5 | 190.1 | 188.7 | 187.3 | 187.6 | 187.0 | 185.9 | 185.7 | 186.2 | 186.5 | 187.9 |
| 57.5° | 167.1 | 165.2 | 163.2 | 162.6 | 162.0 | 162.0 | 160.6 | 160.3 | 160.9 | 159.5 | 159.5 |
| 60°   | 143.7 | 142.7 | 140.1 | 139.3 | 139.3 | 137.9 | 136.8 | 137.3 | 135.9 | 135.6 | 135.9 |
| 62.5° | 122.2 | 121.3 | 119.6 | 118.0 | 117.4 | 116.8 | 115.4 | 114.9 | 114.3 | 113.2 | 111.5 |
| 65°   | 103.4 | 101.4 | 99.4  | 98.3  | 97.5  | 96.0  | 95.2  | 94.1  | 92.4  | 91.8  | 90.2  |
| 67.5° | 84.5  | 82.6  | 80.6  | 79.7  | 78.9  | 78.0  | 76.7  | 75.3  | 73.3  | 71.1  | 69.1  |
| 70°   | 68.0  | 65.5  | 64.3  | 62.1  | 61.5  | 60.4  | 58.4  | 57.0  | 55.0  | 52.5  | 50.6  |
| 72.5° | 52.0  | 50.3  | 48.6  | 46.6  | 45.2  | 44.4  | 42.7  | 40.4  | 38.2  | 36.8  | 34.8  |
| 75°   | 37.4  | 36.5  | 34.2  | 32.0  | 31.5  | 30.3  | 28.4  | 26.9  | 25.2  | 23.0  | 21.3  |
| 77.5° | 25.2  | 23.6  | 22.2  | 20.2  | 19.6  | 18.5  | 17.4  | 16.0  | 14.9  | 13.5  | 12.4  |
| 80°   | 14.9  | 13.5  | 12.7  | 11.2  | 10.7  | 10.1  | 9.3   | 8.1   | 7.3   | 6.8   | 6.4   |
| 82.5° | 7.3   | 6.2   | 5.9   | 5.1   | 4.8   | 4.5   | 3.9   | 3.7   | 3.1   | 3.1   | 3.1   |
| 85°   | 2.5   | 2.0   | 2.0   | 1.7   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |
| 87.5° | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.5   | 0.3   |
| 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):**

|       | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 730.2 | 730.2 | 730.2 | 730.2  | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 |
| 2.5°  | 727.3 | 727.0 | 726.8 | 726.5  | 726.5 | 726.1 | 726.1 | 725.9 | 725.9 | 725.6 | 725.6 |
| 5°    | 722.2 | 721.4 | 720.9 | 720.3  | 720.3 | 719.5 | 718.9 | 718.3 | 718.0 | 718.0 | 717.5 |
| 7.5°  | 715.3 | 714.1 | 712.9 | 712.1  | 711.9 | 710.5 | 709.4 | 709.4 | 708.2 | 707.7 | 707.1 |
| 10°   | 706.0 | 704.0 | 702.3 | 701.4  | 700.4 | 699.5 | 698.1 | 697.3 | 696.5 | 695.0 | 694.8 |
| 12.5° | 693.3 | 691.9 | 689.4 | 688.2  | 687.7 | 686.0 | 683.8 | 682.6 | 682.4 | 681.3 | 680.4 |
| 15°   | 679.0 | 675.9 | 673.7 | 672.3  | 672.3 | 669.4 | 668.4 | 666.7 | 665.5 | 664.7 | 664.4 |
| 17.5° | 660.5 | 657.4 | 655.2 | 653.2  | 652.6 | 650.3 | 648.7 | 648.1 | 646.7 | 647.3 | 645.9 |
| 20°   | 636.6 | 634.1 | 632.4 | 629.8  | 629.8 | 628.5 | 627.9 | 626.5 | 625.9 | 625.4 | 625.9 |
| 22.5° | 611.0 | 608.0 | 605.1 | 604.9  | 604.9 | 602.9 | 602.6 | 602.4 | 601.2 | 602.1 | 601.7 |
| 25°   | 581.0 | 578.7 | 577.0 | 576.8  | 576.8 | 575.7 | 574.5 | 575.1 | 576.0 | 575.7 | 576.5 |
| 27.5° | 549.8 | 547.6 | 547.0 | 546.7  | 546.2 | 545.9 | 546.5 | 546.5 | 547.4 | 548.4 | 549.6 |
| 30°   | 516.1 | 515.6 | 514.7 | 514.4  | 513.9 | 515.3 | 515.9 | 516.7 | 516.4 | 518.1 | 519.3 |
| 32.5° | 482.4 | 481.3 | 481.0 | 481.6  | 482.4 | 482.2 | 483.9 | 484.4 | 484.9 | 486.9 | 487.8 |
| 35°   | 448.5 | 448.2 | 447.7 | 447.7  | 447.9 | 450.2 | 450.2 | 452.1 | 453.3 | 453.8 | 456.0 |
| 37.5° | 412.0 | 413.1 | 413.7 | 414.5  | 414.7 | 415.6 | 416.2 | 418.1 | 419.3 | 420.4 | 421.5 |
| 40°   | 378.5 | 378.0 | 380.5 | 378.8  | 379.3 | 381.9 | 383.0 | 382.7 | 384.4 | 386.1 | 387.3 |
| 42.5° | 342.9 | 343.7 | 344.3 | 344.8  | 346.3 | 346.5 | 348.0 | 349.9 | 350.5 | 352.4 | 353.0 |
| 45°   | 308.4 | 308.6 | 309.7 | 310.9  | 311.7 | 314.0 | 314.5 | 315.3 | 317.0 | 317.0 | 317.9 |
| 47.5° | 275.7 | 276.9 | 276.9 | 278.6  | 280.0 | 279.7 | 281.6 | 282.2 | 282.0 | 283.3 | 283.9 |
| 50°   | 244.6 | 246.3 | 246.0 | 247.1  | 247.6 | 248.0 | 249.7 | 250.2 | 249.1 | 250.5 | 250.8 |
| 52.5° | 214.8 | 215.6 | 216.8 | 217.0  | 216.5 | 217.9 | 217.3 | 218.5 | 218.2 | 219.3 | 218.2 |
| 55°   | 187.6 | 187.3 | 187.3 | 187.9  | 187.3 | 187.9 | 188.4 | 187.3 | 186.5 | 187.6 | 187.3 |
| 57.5° | 160.3 | 160.3 | 159.8 | 160.6  | 159.8 | 158.9 | 158.6 | 157.8 | 156.9 | 156.9 | 156.7 |
| 60°   | 134.8 | 134.2 | 133.1 | 132.9  | 132.9 | 131.4 | 130.8 | 129.7 | 129.7 | 128.6 | 127.5 |
| 62.5° | 110.9 | 109.5 | 108.7 | 108.7  | 108.1 | 106.7 | 104.2 | 102.5 | 101.9 | 100.2 | 100.0 |
| 65°   | 88.5  | 87.0  | 86.2  | 84.5   | 83.1  | 82.6  | 80.0  | 78.0  | 77.2  | 75.5  | 75.8  |
| 67.5° | 68.0  | 65.7  | 63.2  | 62.1   | 61.2  | 59.2  | 58.4  | 57.0  | 56.2  | 56.2  | 56.2  |
| 70°   | 48.9  | 46.9  | 44.4  | 43.5   | 43.0  | 41.3  | 40.4  | 40.1  | 41.0  | 40.8  | 41.0  |
| 72.5° | 32.8  | 30.9  | 29.8  | 29.2   | 28.6  | 27.8  | 28.4  | 28.6  | 28.1  | 28.4  | 28.6  |
| 75°   | 20.0  | 19.4  | 18.5  | 18.3   | 18.3  | 18.5  | 18.3  | 18.3  | 18.5  | 18.5  | 18.8  |
| 77.5° | 11.5  | 11.0  | 11.0  | 10.7   | 11.2  | 11.0  | 11.0  | 11.0  | 11.2  | 11.2  | 11.2  |
| 80°   | 6.2   | 6.2   | 6.2   | 6.2    | 6.4   | 6.2   | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   |
| 82.5° | 3.1   | 3.1   | 3.1   | 3.4    | 3.4   | 3.4   | 3.4   | 3.4   | 3.4   | 3.4   | 3.1   |
| 85°   | 1.4   | 1.4   | 1.4   | 1.4    | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |
| 87.5° | 0.3   | 0.5   | 0.5   | 0.5    | 0.5   | 0.5   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 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: P857253

CATALOG NUMBER: LX4C20D010 EX4C209835 4LBLWWH

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 730.2 | 730.2 | 730.2  | 730.2 | 730.2 | 730.2 | 730.2 | 730.2 |
| 2.5°  | 725.1 | 725.1 | 725.1  | 724.5 | 724.8 | 724.8 | 724.5 | 724.5 |
| 5°    | 717.2 | 717.0 | 716.3  | 716.3 | 715.8 | 716.3 | 716.1 | 716.3 |
| 7.5°  | 706.5 | 706.5 | 705.7  | 705.7 | 705.4 | 705.1 | 704.8 | 705.1 |
| 10°   | 693.9 | 693.9 | 693.3  | 693.1 | 693.3 | 692.2 | 692.2 | 691.9 |
| 12.5° | 679.9 | 679.3 | 678.7  | 679.0 | 678.7 | 677.9 | 677.6 | 677.9 |
| 15°   | 663.5 | 662.7 | 663.0  | 662.1 | 662.1 | 661.9 | 662.5 | 662.5 |
| 17.5° | 645.6 | 645.0 | 644.5  | 644.7 | 644.2 | 644.5 | 644.2 | 643.9 |
| 20°   | 625.6 | 625.4 | 625.4  | 624.2 | 624.5 | 624.2 | 624.5 | 625.4 |
| 22.5° | 602.6 | 602.4 | 602.6  | 601.7 | 602.4 | 602.4 | 603.2 | 603.2 |
| 25°   | 577.3 | 577.0 | 577.7  | 577.9 | 578.2 | 579.0 | 578.2 | 578.5 |
| 27.5° | 549.3 | 550.1 | 550.9  | 551.3 | 552.3 | 551.5 | 550.9 | 551.8 |
| 30°   | 520.9 | 520.9 | 520.6  | 521.8 | 522.6 | 523.5 | 522.0 | 522.0 |
| 32.5° | 488.3 | 489.7 | 489.7  | 490.0 | 490.9 | 490.9 | 490.9 | 492.0 |
| 35°   | 457.2 | 458.0 | 458.3  | 457.2 | 457.7 | 457.5 | 459.4 | 459.4 |
| 37.5° | 422.3 | 422.3 | 422.6  | 424.6 | 424.6 | 423.8 | 424.3 | 424.3 |
| 40°   | 389.2 | 389.5 | 388.4  | 388.9 | 390.3 | 389.8 | 390.3 | 390.9 |
| 42.5° | 353.0 | 354.9 | 353.8  | 354.4 | 354.1 | 354.4 | 354.6 | 354.6 |
| 45°   | 318.4 | 319.0 | 319.0  | 319.2 | 319.9 | 320.4 | 318.7 | 318.4 |
| 47.5° | 284.7 | 285.0 | 285.9  | 284.5 | 286.2 | 284.5 | 286.2 | 284.2 |
| 50°   | 250.8 | 251.9 | 251.0  | 251.6 | 250.8 | 250.8 | 250.5 | 250.2 |
| 52.5° | 218.5 | 218.2 | 218.2  | 217.9 | 217.9 | 218.5 | 217.9 | 218.7 |
| 55°   | 186.2 | 186.5 | 185.9  | 185.7 | 185.3 | 186.2 | 185.3 | 184.8 |
| 57.5° | 155.6 | 156.1 | 155.0  | 155.6 | 153.6 | 154.4 | 154.7 | 155.0 |
| 60°   | 127.3 | 126.4 | 126.4  | 125.2 | 125.2 | 126.1 | 124.9 | 124.9 |
| 62.5° | 98.5  | 99.2  | 98.3   | 99.4  | 99.4  | 100.5 | 100.0 | 100.5 |
| 65°   | 75.5  | 75.8  | 76.1   | 76.1  | 76.1  | 77.8  | 77.2  | 76.4  |
| 67.5° | 57.0  | 57.2  | 57.6   | 57.2  | 58.1  | 57.6  | 57.6  | 57.9  |
| 70°   | 41.3  | 41.6  | 41.8   | 41.8  | 41.6  | 41.8  | 41.8  | 41.8  |
| 72.5° | 28.6  | 28.9  | 28.6   | 28.9  | 29.2  | 28.9  | 28.9  | 29.2  |
| 75°   | 18.8  | 18.8  | 18.5   | 18.5  | 18.5  | 18.5  | 18.8  | 18.5  |
| 77.5° | 11.0  | 11.2  | 11.0   | 11.2  | 11.2  | 11.2  | 11.2  | 11.2  |
| 80°   | 6.4   | 6.4   | 6.4    | 6.2   | 6.4   | 6.4   | 6.4   | 6.2   |
| 82.5° | 3.4   | 3.4   | 3.1    | 3.1   | 3.4   | 3.4   | 3.4   | 3.4   |
| 85°   | 1.4   | 1.4   | 1.4    | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |
| 87.5° | 0.3   | 0.3   | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 90°   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



Report Generated By 670246072 / DESKTOP-50001EG





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















(END OF REPORT)