

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: PORTFOLIO

Report Number: P252350

Luminaire Tested: **LE\_6B15D010 EC6B10208030 6LBLWW1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252350  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-5)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B15D010 EC6B10208030 6LBLWW1LI  
Description: PORTFOLIO 6 INCH LENS WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1657.5 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.03 / 1.12  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

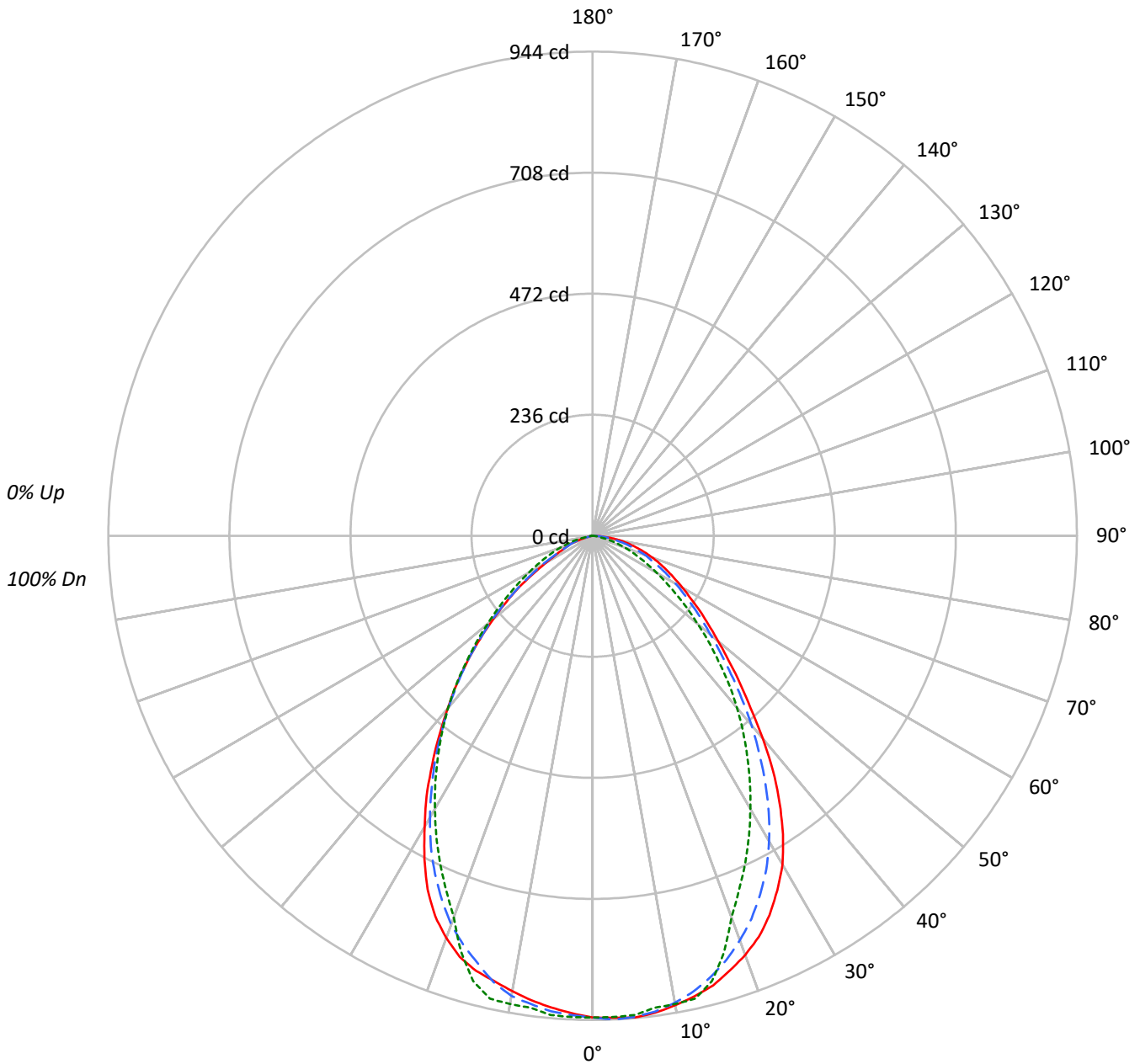
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |    |    | 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 |    |    |    | 100 |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  |    |    |    | 88  |
| 2   | 103 | 96  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 86  | 83  | 88  | 84  | 81  | 85  | 82  | 79  | 77  |    |    |    | 77  |
| 3   | 95  | 86  | 80  | 74  | 93  | 85  | 79  | 73  | 82  | 77  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  |    |    |    | 68  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 64  | 74  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 62  | 60  |    |    |    | 60  |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 63  | 57  | 68  | 62  | 57  | 66  | 60  | 56  | 64  | 59  | 55  | 54  |    |    |    | 54  |
| 6   | 77  | 65  | 57  | 51  | 75  | 64  | 57  | 51  | 62  | 56  | 51  | 61  | 55  | 50  | 59  | 54  | 50  | 48  |    |    |    | 48  |
| 7   | 72  | 60  | 52  | 46  | 70  | 59  | 51  | 46  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 49  | 45  | 44  |    |    |    | 44  |
| 8   | 67  | 55  | 47  | 42  | 66  | 54  | 47  | 42  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 40  |    |    |    | 40  |
| 9   | 63  | 51  | 43  | 38  | 62  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 36  |    |    |    | 36  |
| 10  | 59  | 47  | 40  | 35  | 58  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 33  |    |    |    | 33  |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 61267 | 61267 | 61267 |
| 5°  | 61744 | 61423 | 60460 |
| 10° | 61570 | 61411 | 59715 |
| 15° | 61294 | 60714 | 59309 |
| 20° | 60374 | 54959 | 57917 |
| 25° | 58740 | 50663 | 54788 |
| 30° | 55777 | 46315 | 49343 |
| 35° | 50614 | 41861 | 43422 |
| 40° | 43937 | 37294 | 37396 |
| 45° | 37468 | 32071 | 31739 |
| 50° | 32428 | 27110 | 25628 |
| 55° | 28993 | 22612 | 19837 |
| 60° | 26422 | 18776 | 13374 |
| 65° | 24669 | 15437 | 9972  |
| 70° | 23501 | 12570 | 8374  |
| 75° | 22157 | 8923  | 2773  |
| 80° | 21077 | 4584  | 939   |
| 85° | 17292 | 2695  | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 88.7   | 5.4       |
| 10°-20°   | 248.0  | 15.0      |
| 20°-30°   | 342.4  | 20.7      |
| 30°-40°   | 348.4  | 21.0      |
| 40°-50°   | 280.0  | 16.9      |
| 50°-60°   | 186.2  | 11.2      |
| 60°-70°   | 106.1  | 6.4       |
| 70°-80°   | 47.7   | 2.9       |
| 80°-90°   | 10.0   | 0.6       |
| 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°    | 679.1  | 41.0      |
| 0°-40°    | 1027.5 | 62.0      |
| 0°-60°    | 1493.7 | 90.1      |
| 0°-90°    | 1657.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1657.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 939 | 939 | 939 | 939  | 939  |      |
| 5°  | 943 | 942 | 938 | 931  | 923  | 90   |
| 15° | 908 | 890 | 899 | 864  | 878  | 255  |
| 25° | 816 | 772 | 704 | 727  | 761  | 374  |
| 35° | 636 | 587 | 526 | 536  | 545  | 395  |
| 45° | 406 | 382 | 348 | 344  | 344  | 315  |
| 55° | 255 | 238 | 199 | 177  | 174  | 229  |
| 65° | 160 | 143 | 100 | 65   | 65   | 159  |
| 75° | 88  | 73  | 35  | 15   | 11   | 94   |
| 85° | 23  | 16  | 4   | 1    | 0    | 28   |
| 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°    | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 |
| 2.5°  | 940.4 | 945.2 | 944.0 | 942.8 | 944.0 | 942.8 | 940.4 | 940.4 | 937.9 | 937.9 | 944.0 |
| 5°    | 942.8 | 945.2 | 944.0 | 942.8 | 942.8 | 944.0 | 939.1 | 939.1 | 936.8 | 935.5 | 941.6 |
| 7.5°  | 937.9 | 941.6 | 939.1 | 939.1 | 937.9 | 939.1 | 934.2 | 934.2 | 930.6 | 929.4 | 935.5 |
| 10°   | 929.4 | 934.2 | 931.9 | 931.9 | 931.9 | 929.4 | 927.0 | 925.8 | 922.1 | 920.9 | 924.5 |
| 12.5° | 919.6 | 923.2 | 922.1 | 919.6 | 919.6 | 919.6 | 914.8 | 913.5 | 908.6 | 906.2 | 909.9 |
| 15°   | 907.5 | 909.9 | 908.6 | 907.5 | 905.0 | 905.0 | 900.1 | 897.6 | 892.8 | 887.9 | 890.4 |
| 17.5° | 889.1 | 892.8 | 890.4 | 889.1 | 885.5 | 885.5 | 880.6 | 878.1 | 870.9 | 866.0 | 867.2 |
| 20°   | 869.6 | 870.9 | 869.6 | 867.2 | 863.5 | 862.4 | 857.4 | 852.5 | 846.5 | 840.4 | 839.1 |
| 22.5° | 846.5 | 847.6 | 844.0 | 841.6 | 837.9 | 836.8 | 830.6 | 827.0 | 817.1 | 809.9 | 808.6 |
| 25°   | 816.0 | 817.1 | 817.1 | 811.1 | 808.6 | 806.2 | 800.1 | 794.0 | 785.5 | 775.8 | 772.0 |
| 27.5° | 779.4 | 783.0 | 780.6 | 774.5 | 769.6 | 768.4 | 762.2 | 757.4 | 746.5 | 737.9 | 733.0 |
| 30°   | 740.4 | 739.1 | 737.9 | 734.2 | 726.9 | 725.8 | 719.6 | 713.5 | 705.0 | 694.0 | 687.9 |
| 32.5° | 690.4 | 690.4 | 689.1 | 685.5 | 678.1 | 675.8 | 670.9 | 663.5 | 653.8 | 645.2 | 639.1 |
| 35°   | 635.5 | 636.6 | 635.5 | 628.1 | 623.2 | 620.9 | 618.4 | 609.9 | 601.2 | 591.5 | 586.6 |
| 37.5° | 578.1 | 574.5 | 575.8 | 569.6 | 563.5 | 565.9 | 558.6 | 555.0 | 545.2 | 537.9 | 533.0 |
| 40°   | 515.9 | 518.4 | 513.5 | 511.0 | 507.4 | 503.8 | 503.8 | 497.6 | 492.8 | 484.2 | 481.8 |
| 42.5° | 455.0 | 458.6 | 457.4 | 455.0 | 450.0 | 451.2 | 445.1 | 442.8 | 436.6 | 433.0 | 429.4 |
| 45°   | 406.1 | 406.1 | 406.1 | 403.8 | 402.5 | 400.0 | 396.4 | 392.8 | 389.1 | 384.2 | 381.8 |
| 47.5° | 358.6 | 358.6 | 359.8 | 357.4 | 354.9 | 353.8 | 351.2 | 351.2 | 345.1 | 340.2 | 337.9 |
| 50°   | 319.5 | 319.5 | 319.5 | 317.1 | 314.6 | 314.6 | 312.2 | 309.8 | 306.1 | 302.5 | 300.0 |
| 52.5° | 284.1 | 284.1 | 284.1 | 281.8 | 280.5 | 279.2 | 278.1 | 276.9 | 272.0 | 269.5 | 267.1 |
| 55°   | 254.9 | 253.8 | 253.8 | 252.5 | 250.0 | 250.0 | 248.9 | 246.4 | 242.8 | 239.0 | 237.9 |
| 57.5° | 225.6 | 226.9 | 225.6 | 225.6 | 223.2 | 223.2 | 220.8 | 219.5 | 215.9 | 213.5 | 211.0 |
| 60°   | 202.5 | 202.5 | 202.5 | 201.2 | 198.8 | 200.0 | 197.6 | 196.4 | 192.8 | 189.0 | 186.6 |
| 62.5° | 179.2 | 180.5 | 180.5 | 179.2 | 176.9 | 176.9 | 175.6 | 174.4 | 170.8 | 167.1 | 163.4 |
| 65°   | 159.8 | 159.8 | 159.8 | 158.5 | 157.4 | 157.4 | 156.1 | 154.9 | 151.2 | 146.4 | 142.8 |
| 67.5° | 141.5 | 140.2 | 140.2 | 140.2 | 139.0 | 137.9 | 136.6 | 135.4 | 131.8 | 128.1 | 123.2 |
| 70°   | 123.2 | 123.2 | 123.2 | 122.0 | 119.5 | 120.8 | 119.5 | 118.2 | 114.6 | 111.0 | 107.4 |
| 72.5° | 106.1 | 106.1 | 104.9 | 103.6 | 103.6 | 102.5 | 102.5 | 101.2 | 97.6  | 92.8  | 89.0  |
| 75°   | 87.9  | 87.9  | 87.9  | 87.9  | 85.4  | 86.6  | 84.1  | 83.0  | 80.5  | 76.9  | 73.1  |
| 77.5° | 72.0  | 72.0  | 72.0  | 70.8  | 69.5  | 69.5  | 68.2  | 67.1  | 63.4  | 61.0  | 56.1  |
| 80°   | 56.1  | 56.1  | 56.1  | 56.1  | 54.9  | 53.6  | 52.5  | 51.2  | 48.8  | 45.1  | 41.5  |
| 82.5° | 41.5  | 41.5  | 40.2  | 40.2  | 40.2  | 39.0  | 37.8  | 36.6  | 34.1  | 31.8  | 29.2  |
| 85°   | 23.1  | 24.4  | 24.4  | 22.0  | 23.1  | 22.0  | 22.0  | 19.5  | 19.5  | 17.1  | 15.9  |
| 87.5° | 8.5   | 7.4   | 7.4   | 7.4   | 7.4   | 7.4   | 7.4   | 6.1   | 6.1   | 6.1   | 4.9   |
| 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°    | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 |
| 2.5°  | 939.1 | 937.9 | 942.8 | 942.8 | 935.5 | 939.1 | 940.4 | 937.9 | 937.9 | 939.1 | 935.5 |
| 5°    | 936.8 | 934.2 | 939.1 | 940.4 | 933.0 | 936.8 | 937.9 | 935.5 | 936.8 | 937.9 | 933.0 |
| 7.5°  | 928.1 | 928.1 | 931.9 | 933.0 | 925.8 | 929.4 | 929.4 | 927.0 | 928.1 | 928.1 | 924.5 |
| 10°   | 919.6 | 916.0 | 919.6 | 919.6 | 913.5 | 914.8 | 917.2 | 916.0 | 920.9 | 927.0 | 927.0 |
| 12.5° | 903.8 | 900.1 | 906.2 | 906.2 | 902.6 | 907.5 | 913.5 | 917.2 | 922.1 | 924.5 | 917.2 |
| 15°   | 884.2 | 885.5 | 896.5 | 905.0 | 901.4 | 908.6 | 914.8 | 912.4 | 906.2 | 898.9 | 887.9 |
| 17.5° | 858.6 | 855.0 | 864.8 | 869.6 | 864.8 | 867.2 | 872.1 | 867.2 | 857.4 | 851.4 | 836.8 |
| 20°   | 829.4 | 819.6 | 819.6 | 817.1 | 808.6 | 808.6 | 807.4 | 798.9 | 795.2 | 791.6 | 785.5 |
| 22.5° | 796.5 | 785.5 | 781.9 | 774.5 | 767.1 | 766.0 | 762.2 | 753.8 | 748.9 | 746.5 | 739.1 |
| 25°   | 758.6 | 748.9 | 742.8 | 735.5 | 724.5 | 722.0 | 718.4 | 709.9 | 707.4 | 703.8 | 697.6 |
| 27.5° | 719.6 | 707.4 | 698.9 | 691.5 | 681.8 | 680.6 | 673.2 | 667.1 | 662.2 | 659.9 | 655.0 |
| 30°   | 674.5 | 661.1 | 655.0 | 645.2 | 637.9 | 635.5 | 629.4 | 620.9 | 617.1 | 614.8 | 611.0 |
| 32.5° | 624.5 | 613.5 | 607.4 | 598.9 | 589.1 | 590.4 | 583.0 | 575.8 | 573.2 | 570.8 | 567.1 |
| 35°   | 575.8 | 564.8 | 557.4 | 550.1 | 544.0 | 541.5 | 536.6 | 530.5 | 526.9 | 525.6 | 523.2 |
| 37.5° | 522.0 | 513.5 | 507.4 | 500.1 | 495.2 | 492.8 | 490.2 | 484.2 | 481.8 | 481.8 | 476.9 |
| 40°   | 469.6 | 462.2 | 457.4 | 453.8 | 447.6 | 446.4 | 444.0 | 440.2 | 439.1 | 437.9 | 434.2 |
| 42.5° | 422.0 | 412.2 | 408.6 | 406.1 | 402.5 | 400.0 | 398.9 | 396.4 | 395.1 | 394.0 | 390.2 |
| 45°   | 376.9 | 368.4 | 364.6 | 362.2 | 358.6 | 357.4 | 356.1 | 352.5 | 350.0 | 347.6 | 346.4 |
| 47.5° | 333.0 | 326.9 | 325.6 | 319.5 | 317.1 | 314.6 | 312.2 | 309.8 | 308.6 | 307.4 | 302.5 |
| 50°   | 295.1 | 291.5 | 285.4 | 281.8 | 279.2 | 278.1 | 273.2 | 269.5 | 268.4 | 267.1 | 263.5 |
| 52.5° | 261.0 | 256.1 | 252.5 | 246.4 | 245.1 | 242.8 | 240.2 | 235.4 | 233.0 | 231.8 | 228.1 |
| 55°   | 230.5 | 226.9 | 222.0 | 217.1 | 213.5 | 212.2 | 208.6 | 203.6 | 201.2 | 198.8 | 196.4 |
| 57.5° | 204.9 | 198.8 | 193.9 | 189.0 | 186.6 | 183.0 | 179.2 | 176.9 | 173.2 | 169.5 | 165.9 |
| 60°   | 180.5 | 175.6 | 169.5 | 164.6 | 162.2 | 159.8 | 154.9 | 151.2 | 147.6 | 143.9 | 140.2 |
| 62.5° | 157.4 | 152.5 | 146.4 | 141.5 | 139.0 | 136.6 | 131.8 | 128.1 | 124.4 | 120.8 | 115.9 |
| 65°   | 136.6 | 131.8 | 126.9 | 122.0 | 119.5 | 117.1 | 112.2 | 107.4 | 103.6 | 100.0 | 95.1  |
| 67.5° | 119.5 | 113.4 | 108.5 | 103.6 | 101.2 | 98.8  | 93.9  | 90.2  | 85.4  | 81.8  | 76.9  |
| 70°   | 101.2 | 96.4  | 92.8  | 87.9  | 85.4  | 83.0  | 78.0  | 73.1  | 69.5  | 65.9  | 61.0  |
| 72.5° | 85.4  | 79.2  | 75.6  | 70.8  | 68.2  | 67.1  | 62.2  | 58.5  | 54.9  | 50.0  | 46.4  |
| 75°   | 68.2  | 63.4  | 58.5  | 54.9  | 52.5  | 51.2  | 46.4  | 42.8  | 39.0  | 35.4  | 31.8  |
| 77.5° | 52.5  | 48.8  | 43.9  | 40.2  | 37.8  | 36.6  | 31.8  | 28.0  | 24.4  | 22.0  | 18.2  |
| 80°   | 39.0  | 34.1  | 31.8  | 28.0  | 26.9  | 24.4  | 22.0  | 18.2  | 15.9  | 12.2  | 9.8   |
| 82.5° | 26.9  | 23.1  | 20.8  | 18.2  | 17.1  | 15.9  | 13.4  | 11.0  | 8.5   | 7.4   | 6.1   |
| 85°   | 14.6  | 12.2  | 11.0  | 9.8   | 8.5   | 8.5   | 7.4   | 6.1   | 4.9   | 3.6   | 2.5   |
| 87.5° | 4.9   | 3.6   | 3.6   | 3.6   | 3.6   | 2.5   | 2.5   | 2.5   | 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   |



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**CANDELA DISTRIBUTION (continued):**

|       | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 939.1 | 939.1 | 939.1 | 939.1  | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 |
| 2.5°  | 937.9 | 937.9 | 937.9 | 936.8  | 936.8 | 936.8 | 935.5 | 940.4 | 935.5 | 934.2 | 937.9 |
| 5°    | 936.8 | 934.2 | 934.2 | 934.2  | 934.2 | 933.0 | 931.9 | 934.2 | 930.6 | 929.4 | 929.4 |
| 7.5°  | 929.4 | 928.1 | 928.1 | 927.0  | 925.8 | 924.5 | 923.2 | 924.5 | 920.9 | 919.6 | 919.6 |
| 10°   | 930.6 | 928.1 | 928.1 | 924.5  | 922.1 | 918.4 | 914.8 | 916.0 | 911.1 | 907.5 | 907.5 |
| 12.5° | 916.0 | 909.9 | 906.2 | 902.6  | 900.1 | 898.9 | 894.0 | 896.5 | 891.6 | 890.4 | 890.4 |
| 15°   | 883.0 | 875.8 | 869.6 | 867.2  | 867.2 | 864.8 | 861.1 | 866.0 | 863.5 | 864.8 | 870.9 |
| 17.5° | 831.9 | 828.1 | 824.5 | 823.2  | 824.5 | 827.0 | 829.4 | 836.8 | 836.8 | 840.4 | 846.5 |
| 20°   | 786.8 | 784.2 | 786.8 | 786.8  | 787.9 | 792.8 | 797.6 | 803.8 | 806.2 | 809.9 | 818.4 |
| 22.5° | 742.8 | 742.8 | 745.2 | 748.9  | 747.6 | 756.2 | 757.4 | 768.4 | 768.4 | 775.8 | 783.0 |
| 25°   | 700.1 | 700.1 | 702.5 | 703.8  | 706.2 | 711.1 | 716.0 | 724.5 | 726.9 | 734.2 | 740.4 |
| 27.5° | 658.6 | 657.4 | 657.4 | 658.6  | 661.1 | 667.1 | 669.6 | 679.4 | 683.0 | 687.9 | 694.0 |
| 30°   | 612.2 | 611.0 | 613.5 | 616.0  | 614.8 | 620.9 | 624.5 | 631.8 | 634.2 | 639.1 | 644.0 |
| 32.5° | 568.4 | 568.4 | 568.4 | 570.8  | 570.8 | 575.8 | 575.8 | 584.2 | 584.2 | 587.9 | 592.8 |
| 35°   | 523.2 | 523.2 | 524.5 | 525.6  | 526.9 | 528.1 | 529.4 | 534.2 | 535.5 | 536.6 | 539.1 |
| 37.5° | 480.5 | 479.4 | 480.5 | 480.5  | 478.1 | 483.0 | 483.0 | 487.9 | 484.2 | 487.9 | 489.1 |
| 40°   | 436.6 | 436.6 | 435.4 | 435.4  | 435.4 | 437.9 | 435.4 | 439.1 | 436.6 | 439.1 | 437.9 |
| 42.5° | 391.5 | 391.5 | 389.1 | 391.5  | 390.2 | 390.2 | 390.2 | 392.8 | 389.1 | 391.5 | 392.8 |
| 45°   | 346.4 | 345.1 | 345.1 | 344.0  | 344.0 | 344.0 | 345.1 | 345.1 | 344.0 | 346.4 | 346.4 |
| 47.5° | 302.5 | 301.2 | 301.2 | 301.2  | 301.2 | 302.5 | 298.9 | 301.2 | 298.9 | 298.9 | 298.9 |
| 50°   | 264.6 | 263.5 | 262.2 | 261.0  | 259.8 | 259.8 | 258.6 | 258.6 | 256.1 | 254.9 | 253.8 |
| 52.5° | 228.1 | 226.9 | 224.4 | 224.4  | 223.2 | 222.0 | 218.4 | 218.4 | 214.6 | 213.5 | 213.5 |
| 55°   | 195.1 | 191.5 | 190.2 | 187.9  | 187.9 | 185.4 | 183.0 | 180.5 | 176.9 | 174.4 | 174.4 |
| 57.5° | 164.6 | 161.0 | 158.5 | 157.4  | 156.1 | 153.6 | 148.8 | 147.6 | 142.8 | 141.5 | 140.2 |
| 60°   | 137.9 | 134.1 | 130.5 | 128.1  | 126.9 | 123.2 | 118.2 | 115.9 | 113.4 | 109.8 | 106.1 |
| 62.5° | 112.2 | 108.5 | 103.6 | 102.5  | 100.0 | 96.4  | 92.8  | 89.0  | 86.6  | 83.0  | 80.5  |
| 65°   | 90.2  | 86.6  | 83.0  | 80.5   | 78.0  | 74.4  | 70.8  | 67.1  | 64.6  | 63.4  | 62.2  |
| 67.5° | 73.1  | 68.2  | 64.6  | 63.4   | 61.0  | 58.5  | 54.9  | 53.6  | 51.2  | 51.2  | 51.2  |
| 70°   | 57.4  | 53.6  | 50.0  | 48.8   | 47.6  | 45.1  | 42.8  | 42.8  | 42.8  | 42.8  | 42.8  |
| 72.5° | 42.8  | 40.2  | 36.6  | 35.4   | 34.1  | 32.9  | 30.5  | 31.8  | 30.5  | 30.5  | 30.5  |
| 75°   | 26.9  | 24.4  | 22.0  | 20.8   | 19.5  | 18.2  | 17.1  | 15.9  | 14.6  | 13.4  | 13.4  |
| 77.5° | 14.6  | 12.2  | 11.0  | 9.8    | 9.8   | 8.5   | 7.4   | 7.4   | 6.1   | 6.1   | 6.1   |
| 80°   | 8.5   | 7.4   | 6.1   | 4.9    | 4.9   | 3.6   | 3.6   | 3.6   | 3.6   | 2.5   | 2.5   |
| 82.5° | 4.9   | 3.6   | 2.5   | 2.5    | 2.5   | 2.5   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 85°   | 2.5   | 2.5   | 1.2   | 1.2    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 0.0   |
| 87.5° | 1.2   | 1.2   | 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: P252350

CATALOG NUMBER: LE\_6B15D010 EC6B10208030 6LBLWW1LI

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 939.1 | 939.1 | 939.1  | 939.1 | 939.1 | 939.1 | 939.1 | 939.1 |
| 2.5°  | 931.9 | 935.5 | 931.9  | 935.5 | 935.5 | 935.5 | 935.5 | 931.9 |
| 5°    | 925.8 | 928.1 | 924.5  | 927.0 | 928.1 | 927.0 | 927.0 | 923.2 |
| 7.5°  | 914.8 | 917.2 | 913.5  | 917.2 | 918.4 | 917.2 | 916.0 | 913.5 |
| 10°   | 903.8 | 905.0 | 901.4  | 903.8 | 906.2 | 906.2 | 905.0 | 901.4 |
| 12.5° | 886.8 | 890.4 | 886.8  | 889.1 | 891.6 | 892.8 | 892.8 | 889.1 |
| 15°   | 867.2 | 873.2 | 870.9  | 874.5 | 878.1 | 879.4 | 879.4 | 878.1 |
| 17.5° | 847.6 | 853.8 | 850.1  | 856.2 | 859.9 | 862.4 | 863.5 | 861.1 |
| 20°   | 819.6 | 827.0 | 824.5  | 829.4 | 834.2 | 837.9 | 837.9 | 834.2 |
| 22.5° | 783.0 | 792.8 | 791.6  | 795.2 | 801.4 | 802.5 | 805.0 | 802.5 |
| 25°   | 742.8 | 750.1 | 748.9  | 752.5 | 759.9 | 759.9 | 761.1 | 761.1 |
| 27.5° | 696.4 | 703.8 | 702.5  | 705.0 | 709.9 | 711.1 | 712.2 | 709.9 |
| 30°   | 646.4 | 650.1 | 650.1  | 653.8 | 657.4 | 658.6 | 658.6 | 655.0 |
| 32.5° | 591.5 | 596.4 | 598.9  | 597.6 | 601.2 | 603.8 | 602.5 | 602.5 |
| 35°   | 541.5 | 542.8 | 544.0  | 545.2 | 546.4 | 548.9 | 546.4 | 545.2 |
| 37.5° | 487.9 | 491.5 | 489.1  | 491.5 | 494.0 | 492.8 | 491.5 | 491.5 |
| 40°   | 439.1 | 440.2 | 437.9  | 440.2 | 441.5 | 441.5 | 441.5 | 439.1 |
| 42.5° | 390.2 | 392.8 | 390.2  | 392.8 | 392.8 | 392.8 | 392.8 | 391.5 |
| 45°   | 341.5 | 344.0 | 344.0  | 345.1 | 345.1 | 344.0 | 344.0 | 344.0 |
| 47.5° | 296.4 | 298.9 | 296.4  | 298.9 | 300.0 | 297.6 | 297.6 | 297.6 |
| 50°   | 253.8 | 252.5 | 252.5  | 253.8 | 253.8 | 253.8 | 253.8 | 252.5 |
| 52.5° | 209.8 | 211.0 | 211.0  | 211.0 | 212.2 | 211.0 | 212.2 | 212.2 |
| 55°   | 172.0 | 172.0 | 172.0  | 173.2 | 172.0 | 172.0 | 173.2 | 174.4 |
| 57.5° | 137.9 | 136.6 | 135.4  | 135.4 | 136.6 | 135.4 | 135.4 | 135.4 |
| 60°   | 106.1 | 104.9 | 103.6  | 103.6 | 103.6 | 103.6 | 103.6 | 102.5 |
| 62.5° | 79.2  | 79.2  | 79.2   | 80.5  | 80.5  | 80.5  | 80.5  | 81.8  |
| 65°   | 63.4  | 63.4  | 63.4   | 63.4  | 63.4  | 63.4  | 63.4  | 64.6  |
| 67.5° | 51.2  | 51.2  | 51.2   | 52.5  | 52.5  | 52.5  | 52.5  | 52.5  |
| 70°   | 42.8  | 42.8  | 43.9   | 42.8  | 43.9  | 43.9  | 43.9  | 43.9  |
| 72.5° | 29.2  | 29.2  | 29.2   | 29.2  | 29.2  | 28.0  | 29.2  | 28.0  |
| 75°   | 12.2  | 12.2  | 12.2   | 12.2  | 12.2  | 12.2  | 12.2  | 11.0  |
| 77.5° | 4.9   | 4.9   | 4.9    | 4.9   | 4.9   | 4.9   | 4.9   | 4.9   |
| 80°   | 2.5   | 2.5   | 2.5    | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   |
| 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)