

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1334384

Luminaire Tested: P3A02R209050DE010 E3A451B

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1334384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R209050DE010 E3A451B  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3A451B TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

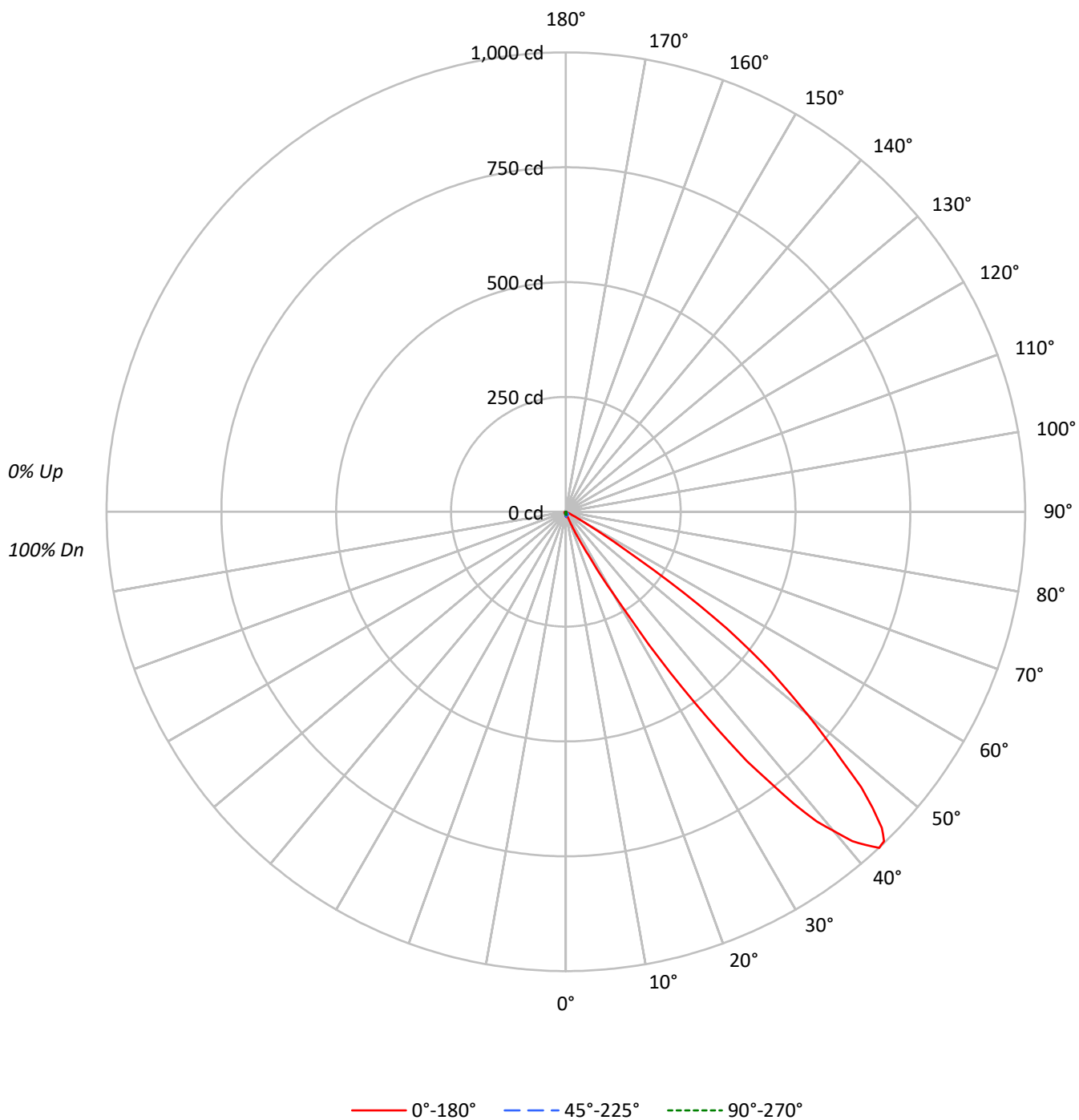
Lumens per Lamp: N/A  
Luminaire Lumens: 139.0 lumens  
Efficiency: N/A  
Efficacy: 38.6 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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: 24 FT

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CATALOG NUMBER: P3A02R209050DE010 E3A451B

### 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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 97  | 100 | 97  | 94  |  | 96  | 94  | 92  |  | 92  |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  |  | 85  | 81  | 77  |  | 82  |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  |  | 74  | 69  | 65  |  | 72  |
| 4   | 83  | 71  | 62  | 56  | 81  | 70  | 62  | 55  | 67  | 60  | 55  |  | 65  | 59  | 54  |  | 63  |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 53  | 46  | 59  | 51  | 46  |  | 57  | 50  | 45  |  | 55  |
| 6   | 68  | 55  | 45  | 39  | 66  | 54  | 45  | 38  | 52  | 44  | 38  |  | 50  | 43  | 38  |  | 48  |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 38  | 32  | 46  | 38  | 32  |  | 44  | 37  | 32  |  | 43  |
| 8   | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  |  | 39  | 32  | 27  |  | 38  |
| 9   | 52  | 38  | 29  | 23  | 51  | 37  | 29  | 23  | 36  | 28  | 23  |  | 35  | 28  | 23  |  | 34  |
| 10  | 48  | 34  | 25  | 20  | 47  | 33  | 25  | 20  | 32  | 25  | 19  |  | 31  | 24  | 19  |  | 30  |

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

|     | 0°     | 45°  | 90°  | 135° | 180° |
|-----|--------|------|------|------|------|
| 0°  | 2127   | 2127 | 2127 | 2127 | 2127 |
| 5°  | 2465   | 2311 | 1981 | 1717 | 1673 |
| 10° | 2449   | 2093 | 1581 | 1336 | 1314 |
| 15° | 2134   | 1612 | 1158 | 1067 | 1135 |
| 20° | 3174   | 1330 | 863  | 910  | 1003 |
| 25° | 13646  | 1379 | 653  | 823  | 968  |
| 30° | 51628  | 1696 | 557  | 785  | 962  |
| 35° | 156520 | 2034 | 535  | 803  | 1017 |
| 40° | 259543 | 2032 | 458  | 859  | 1088 |
| 45° | 301675 | 1364 | 403  | 899  | 1178 |
| 50° | 234159 | 751  | 409  | 921  | 1330 |
| 55° | 135527 | 497  | 382  | 1032 | 1453 |
| 60° | 22937  | 132  | 351  | 1096 | 1623 |
| 65° | 1764   | 0    | 415  | 1245 | 1816 |
| 70° | 256    | 0    | 513  | 1346 | 2116 |
| 75° | 254    | 85   | 593  | 1525 | 2457 |
| 80° | 126    | 126  | 884  | 1642 | 2778 |
| 85° | 252    | 252  | 1258 | 1761 | 3019 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 301675 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.8    | 0.6       |
| 10°-20°   | 1.7    | 1.3       |
| 20°-30°   | 5.5    | 4.0       |
| 30°-40°   | 35.4   | 25.5      |
| 40°-50°   | 64.9   | 46.7      |
| 50°-60°   | 26.7   | 19.2      |
| 60°-70°   | 2.3    | 1.6       |
| 70°-80°   | 1.1    | 0.8       |
| 80°-90°   | 0.5    | 0.4       |
| 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°    | 8.1    | 5.8       |
| 0°-40°    | 43.6   | 31.3      |
| 0°-60°    | 135.1  | 97.2      |
| 0°-90°    | 139.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 139.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 10  | 10  | 10  | 10   | 10   |      |
| 5°  | 11  | 10  | 9   | 8    | 8    | 1    |
| 15° | 9   | 7   | 5   | 5    | 5    | 3    |
| 25° | 56  | 6   | 3   | 3    | 4    | 37   |
| 35° | 585 | 8   | 2   | 3    | 4    | 370  |
| 45° | 973 | 4   | 1   | 3    | 4    | 698  |
| 55° | 354 | 1   | 1   | 3    | 4    | 310  |
| 65° | 3   | 0   | 1   | 2    | 4    | 11   |
| 75° | 0   | 0   | 1   | 2    | 3    | 0    |
| 85° | 0   | 0   | 0   | 1    | 1    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°  | 5°    | 7.5°  | 10°   | 12.5° | 15°   | 17.5° | 20°   | 22.5° | 45°  |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 0°    | 9.7    | 9.7   | 9.7   | 9.7   | 9.7   | 9.7   | 9.7   | 9.7   | 9.7   | 9.7   | 9.7  |
| 2.5°  | 10.6   | 10.6  | 10.6  | 10.5  | 10.5  | 10.6  | 10.5  | 10.5  | 10.5  | 10.5  | 10.3 |
| 5°    | 11.2   | 11.2  | 11.2  | 11.2  | 11.2  | 11.2  | 11.2  | 11.1  | 11.1  | 11.0  | 10.5 |
| 7.5°  | 11.5   | 11.5  | 11.5  | 11.5  | 11.4  | 11.4  | 11.4  | 11.4  | 11.2  | 11.1  | 10.2 |
| 10°   | 11.0   | 11.0  | 11.0  | 10.8  | 10.8  | 10.8  | 10.7  | 10.7  | 10.6  | 10.5  | 9.4  |
| 12.5° | 9.9    | 9.9   | 9.9   | 9.9   | 9.8   | 9.8   | 9.7   | 9.7   | 9.5   | 9.4   | 8.2  |
| 15°   | 9.4    | 9.4   | 9.4   | 9.3   | 9.3   | 9.1   | 9.0   | 8.9   | 8.8   | 8.5   | 7.1  |
| 17.5° | 10.2   | 10.2  | 10.1  | 10.1  | 9.8   | 9.5   | 9.4   | 9.0   | 8.8   | 8.4   | 6.3  |
| 20°   | 13.6   | 13.7  | 13.2  | 12.8  | 12.5  | 11.8  | 11.4  | 10.7  | 10.2  | 9.5   | 5.7  |
| 22.5° | 27.4   | 26.9  | 26.0  | 24.6  | 22.9  | 21.4  | 18.8  | 16.7  | 15.3  | 13.3  | 5.6  |
| 25°   | 56.4   | 55.9  | 53.4  | 51.3  | 46.1  | 42.1  | 36.4  | 31.9  | 27.2  | 22.6  | 5.7  |
| 27.5° | 107.2  | 103.7 | 103.1 | 93.5  | 86.2  | 75.8  | 64.9  | 55.8  | 47.4  | 38.1  | 6.1  |
| 30°   | 203.9  | 199.9 | 185.6 | 171.3 | 151.5 | 129.2 | 107.9 | 88.0  | 71.5  | 56.4  | 6.7  |
| 31°   | 258.8  | 262.7 | 246.0 | 217.1 | 188.0 | 159.4 | 130.2 | 105.0 | 83.6  | 64.9  | 6.9  |
| 32°   | 340.2  | 323.0 | 305.4 | 275.8 | 233.4 | 196.9 | 160.3 | 124.0 | 95.7  | 74.1  | 7.2  |
| 33°   | 417.1  | 407.0 | 380.1 | 343.2 | 292.3 | 241.0 | 193.6 | 146.3 | 110.6 | 85.2  | 7.3  |
| 34°   | 499.1  | 488.0 | 466.2 | 413.2 | 357.4 | 290.1 | 226.9 | 172.0 | 128.4 | 96.0  | 7.4  |
| 35°   | 584.7  | 580.0 | 537.9 | 491.9 | 423.4 | 342.2 | 267.0 | 200.3 | 145.8 | 105.9 | 7.6  |
| 36°   | 670.8  | 655.6 | 622.7 | 555.6 | 484.0 | 390.4 | 309.1 | 226.5 | 163.4 | 117.7 | 7.6  |
| 37°   | 735.6  | 732.2 | 688.5 | 623.1 | 539.0 | 441.9 | 345.4 | 255.6 | 181.2 | 127.8 | 7.6  |
| 38°   | 807.0  | 793.6 | 749.3 | 682.7 | 590.7 | 489.1 | 383.4 | 281.0 | 198.0 | 136.9 | 7.4  |
| 39°   | 867.2  | 847.2 | 802.6 | 736.7 | 635.9 | 524.9 | 413.6 | 305.5 | 212.9 | 144.5 | 7.3  |
| 40°   | 906.7  | 892.8 | 846.2 | 772.1 | 676.9 | 558.7 | 444.1 | 325.8 | 224.0 | 150.2 | 7.1  |
| 41°   | 950.2  | 927.2 | 881.1 | 806.6 | 706.7 | 588.5 | 463.3 | 339.1 | 232.6 | 154.0 | 6.8  |
| 42°   | 976.2  | 957.4 | 902.6 | 829.7 | 728.0 | 605.5 | 479.0 | 349.3 | 237.9 | 156.0 | 6.3  |
| 43°   | 1000.5 | 974.9 | 921.6 | 843.2 | 742.1 | 617.5 | 486.2 | 354.0 | 239.0 | 156.0 | 5.6  |
| 44°   | 997.2  | 972.9 | 917.7 | 845.0 | 745.2 | 621.0 | 489.2 | 354.1 | 237.2 | 154.0 | 5.0  |
| 45°   | 972.8  | 948.6 | 898.8 | 829.1 | 734.0 | 614.1 | 483.2 | 348.9 | 232.1 | 150.6 | 4.4  |
| 46°   | 928.0  | 903.9 | 865.8 | 802.4 | 713.1 | 598.4 | 469.2 | 337.5 | 223.6 | 145.1 | 3.9  |
| 47°   | 879.3  | 855.9 | 816.8 | 759.5 | 677.4 | 570.4 | 449.0 | 321.6 | 211.7 | 137.2 | 3.5  |
| 48°   | 808.6  | 794.0 | 754.8 | 705.8 | 627.9 | 526.7 | 413.4 | 295.6 | 195.8 | 126.8 | 3.0  |
| 49°   | 746.1  | 730.7 | 696.4 | 643.7 | 563.4 | 475.7 | 371.0 | 264.0 | 175.0 | 115.3 | 2.6  |
| 50°   | 686.4  | 673.0 | 641.2 | 581.8 | 505.1 | 414.2 | 313.6 | 224.2 | 148.9 | 101.1 | 2.2  |
| 51°   | 628.1  | 618.0 | 585.6 | 531.0 | 453.1 | 366.9 | 271.7 | 186.7 | 123.1 | 83.9  | 2.1  |
| 52°   | 569.4  | 568.2 | 533.1 | 477.8 | 402.6 | 319.8 | 230.9 | 157.5 | 104.4 | 70.4  | 2.0  |
| 53°   | 506.3  | 498.7 | 468.0 | 418.4 | 346.2 | 270.7 | 195.8 | 132.8 | 89.9  | 60.0  | 1.7  |
| 54°   | 434.5  | 426.0 | 393.1 | 348.3 | 282.8 | 221.7 | 157.8 | 107.4 | 74.8  | 50.7  | 1.6  |
| 55°   | 354.5  | 340.0 | 316.1 | 270.1 | 220.9 | 169.2 | 121.9 | 85.0  | 59.8  | 42.2  | 1.3  |
| 56°   | 269.0  | 254.5 | 241.0 | 207.2 | 162.1 | 126.2 | 90.8  | 65.2  | 46.8  | 33.3  | 1.2  |
| 57°   | 187.1  | 186.3 | 164.2 | 138.2 | 108.4 | 86.0  | 62.2  | 46.0  | 33.0  | 25.9  | 0.9  |
| 58°   | 121.4  | 117.3 | 103.2 | 88.2  | 70.9  | 53.7  | 40.0  | 31.2  | 22.5  | 17.6  | 0.8  |
| 59°   | 85.0   | 76.9  | 69.4  | 58.8  | 44.7  | 33.8  | 25.7  | 20.0  | 15.5  | 12.3  | 0.5  |
| 60°   | 52.3   | 50.6  | 45.5  | 35.8  | 29.0  | 23.9  | 19.2  | 14.8  | 11.4  | 8.8   | 0.3  |
| 62.5° | 14.9   | 15.2  | 13.7  | 12.1  | 10.5  | 9.0   | 8.1   | 6.9   | 5.7   | 4.6   | 0.0  |
| 65°   | 3.4    | 3.3   | 3.5   | 3.3   | 3.0   | 3.0   | 2.6   | 2.4   | 2.1   | 2.0   | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 1.0 | 1.0  | 0.9 | 0.9  | 0.9 | 0.8   | 0.8 | 0.7   | 0.7 | 0.5   | 0.0 |
| 70°   | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.3   | 0.3 | 0.3   | 0.1 | 0.1   | 0.0 |
| 72.5° | 0.4 | 0.4  | 0.4 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3   | 0.1 | 0.1   | 0.1 |
| 75°   | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.1   | 0.1 | 0.1   | 0.1 |
| 77.5° | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.1   | 0.3 | 0.1   | 0.1 | 0.1   | 0.1 |
| 80°   | 0.1 | 0.1  | 0.1 | 0.1  | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 |
| 82.5° | 0.1 | 0.1  | 0.1 | 0.1  | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 |
| 85°   | 0.1 | 0.1  | 0.1 | 0.1  | 0.0 | 0.0   | 0.1 | 0.1   | 0.1 | 0.0   | 0.1 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 0°    | 9.7   | 9.7 | 9.7    | 9.7  | 9.7    | 9.7  |
| 2.5°  | 10.1  | 9.5 | 9.1    | 8.8  | 8.6    | 8.6  |
| 5°    | 9.8   | 9.0 | 8.2    | 7.8  | 7.6    | 7.6  |
| 7.5°  | 9.0   | 8.1 | 7.3    | 6.9  | 6.8    | 6.8  |
| 10°   | 8.1   | 7.1 | 6.3    | 6.0  | 6.0    | 5.9  |
| 12.5° | 7.1   | 6.0 | 5.5    | 5.4  | 5.4    | 5.4  |
| 15°   | 5.9   | 5.1 | 4.7    | 4.7  | 4.8    | 5.0  |
| 17.5° | 5.0   | 4.2 | 4.0    | 4.3  | 4.6    | 4.6  |
| 20°   | 4.2   | 3.7 | 3.7    | 3.9  | 4.2    | 4.3  |
| 22.5° | 3.5   | 3.1 | 3.3    | 3.7  | 4.0    | 4.2  |
| 25°   | 3.1   | 2.7 | 3.0    | 3.4  | 3.8    | 4.0  |
| 27.5° | 2.6   | 2.5 | 2.7    | 3.3  | 3.8    | 3.9  |
| 30°   | 2.2   | 2.2 | 2.6    | 3.1  | 3.7    | 3.8  |
| 31°   | 2.1   | 2.1 | 2.6    | 3.1  | 3.7    | 3.8  |
| 32°   | 2.0   | 2.1 | 2.5    | 3.1  | 3.7    | 3.8  |
| 33°   | 1.8   | 2.0 | 2.5    | 3.0  | 3.7    | 3.8  |
| 34°   | 1.7   | 2.0 | 2.5    | 3.0  | 3.7    | 3.8  |
| 35°   | 1.6   | 2.0 | 2.5    | 3.0  | 3.7    | 3.8  |
| 36°   | 1.4   | 1.8 | 2.4    | 3.0  | 3.7    | 3.8  |
| 37°   | 1.3   | 1.8 | 2.4    | 3.0  | 3.7    | 3.8  |
| 38°   | 1.2   | 1.7 | 2.4    | 3.0  | 3.7    | 3.8  |
| 39°   | 1.2   | 1.7 | 2.2    | 3.0  | 3.5    | 3.8  |
| 40°   | 1.0   | 1.6 | 2.2    | 3.0  | 3.5    | 3.8  |
| 41°   | 0.9   | 1.6 | 2.2    | 2.9  | 3.5    | 3.8  |
| 42°   | 0.8   | 1.4 | 2.1    | 2.9  | 3.5    | 3.8  |
| 43°   | 0.7   | 1.4 | 2.1    | 2.9  | 3.5    | 3.8  |
| 44°   | 0.7   | 1.3 | 2.1    | 2.9  | 3.5    | 3.8  |
| 45°   | 0.5   | 1.3 | 2.1    | 2.9  | 3.5    | 3.8  |
| 46°   | 0.4   | 1.3 | 2.1    | 2.9  | 3.5    | 3.8  |
| 47°   | 0.4   | 1.2 | 2.0    | 2.9  | 3.5    | 3.8  |
| 48°   | 0.3   | 1.2 | 2.0    | 2.9  | 3.5    | 3.8  |
| 49°   | 0.3   | 1.2 | 2.0    | 2.9  | 3.5    | 3.9  |
| 50°   | 0.3   | 1.2 | 2.0    | 2.7  | 3.5    | 3.9  |
| 51°   | 0.1   | 1.2 | 2.0    | 2.7  | 3.5    | 3.9  |
| 52°   | 0.1   | 1.2 | 1.8    | 2.7  | 3.7    | 3.9  |
| 53°   | 0.1   | 1.0 | 1.8    | 2.7  | 3.7    | 3.9  |
| 54°   | 0.1   | 1.0 | 1.8    | 2.7  | 3.7    | 3.8  |
| 55°   | 0.1   | 1.0 | 1.8    | 2.7  | 3.5    | 3.8  |
| 56°   | 0.1   | 0.9 | 1.8    | 2.7  | 3.5    | 3.8  |
| 57°   | 0.1   | 0.9 | 1.7    | 2.6  | 3.5    | 3.7  |
| 58°   | 0.1   | 0.9 | 1.7    | 2.6  | 3.5    | 3.7  |
| 59°   | 0.1   | 0.9 | 1.7    | 2.6  | 3.4    | 3.7  |
| 60°   | 0.3   | 0.8 | 1.6    | 2.5  | 3.4    | 3.7  |
| 62.5° | 0.3   | 0.8 | 1.6    | 2.5  | 3.3    | 3.5  |
| 65°   | 0.3   | 0.8 | 1.4    | 2.4  | 3.3    | 3.5  |



TEST NUMBER: P1334384

CATALOG NUMBER: P3A02R209050DE010 E3A451B

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.3   | 0.7 | 1.3    | 2.2  | 3.1    | 3.4  |
| 70°   | 0.3   | 0.8 | 1.3    | 2.1  | 3.0    | 3.3  |
| 72.5° | 0.4   | 0.7 | 1.2    | 2.0  | 2.9    | 3.1  |
| 75°   | 0.4   | 0.7 | 1.2    | 1.8  | 2.7    | 2.9  |
| 77.5° | 0.5   | 0.7 | 1.0    | 1.6  | 2.5    | 2.6  |
| 80°   | 0.5   | 0.7 | 0.9    | 1.3  | 2.1    | 2.2  |
| 82.5° | 0.5   | 0.7 | 0.7    | 1.0  | 1.6    | 1.7  |
| 85°   | 0.4   | 0.5 | 0.5    | 0.7  | 1.0    | 1.2  |
| 87.5° | 0.4   | 0.5 | 0.4    | 0.3  | 0.5    | 0.5  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)