

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: P1334440

Luminaire Tested: P3A02R209735DE010 E3CA451MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1334440  
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: P3A02R209735DE010 E3CA451MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3CA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

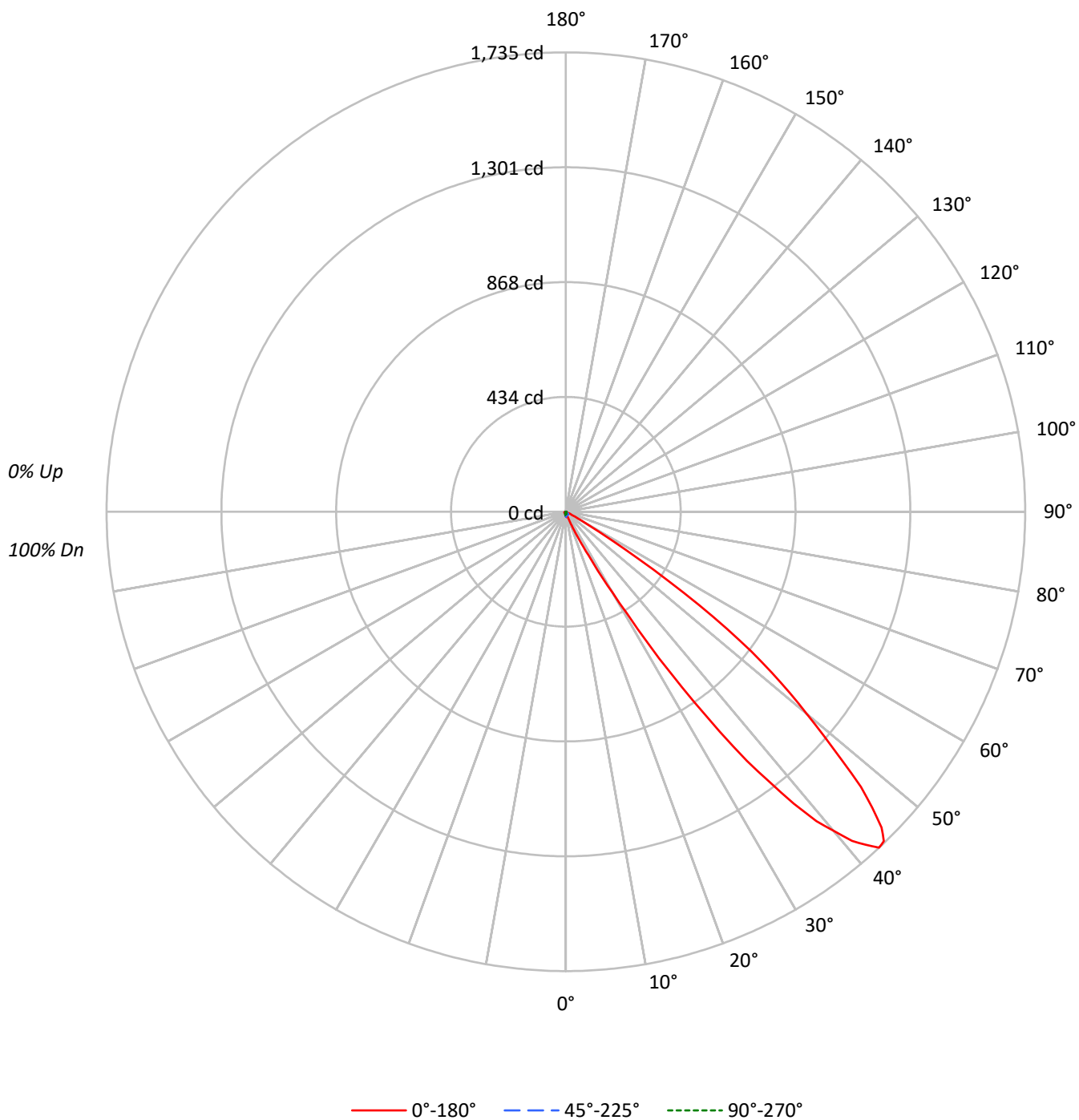
Lumens per Lamp: N/A  
Luminaire Lumens: 241.0 lumens  
Efficiency: N/A  
Efficacy: 66.9 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1334440

CATALOG NUMBER: P3A02R209735DE010 E3CA451MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1334440

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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 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 97  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 91  | 89  | 87  |    |    |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 78  | 75  | 73  |    |    |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 63  | 61  |    |    |
| 4   | 83  | 71  | 62  | 56  | 81  | 70  | 62  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 53  | 51  |    |    |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 53  | 46  | 59  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 42  |    |    |
| 6   | 68  | 55  | 45  | 39  | 66  | 54  | 45  | 38  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 38  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 31  | 29  |    |    |
| 8   | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 31  | 27  | 25  |    |    |
| 9   | 52  | 38  | 29  | 23  | 51  | 37  | 29  | 23  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 27  | 23  | 21  |    |    |
| 10  | 48  | 34  | 25  | 20  | 47  | 33  | 25  | 20  | 32  | 25  | 19  | 31  | 24  | 19  | 30  | 24  | 19  | 17  |    |    |

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

|     | 0°     | 45°  | 90°  | 135° | 180° |
|-----|--------|------|------|------|------|
| 0°  | 3684   | 3684 | 3684 | 3684 | 3684 |
| 5°  | 4292   | 3984 | 3434 | 2994 | 2884 |
| 10° | 4231   | 3629 | 2716 | 2316 | 2271 |
| 15° | 3700   | 2770 | 1998 | 1862 | 1952 |
| 20° | 5507   | 2334 | 1470 | 1587 | 1750 |
| 25° | 23663  | 2419 | 1161 | 1428 | 1694 |
| 30° | 89507  | 2937 | 987  | 1367 | 1671 |
| 35° | 271360 | 3507 | 910  | 1392 | 1767 |
| 40° | 449986 | 3492 | 773  | 1489 | 1889 |
| 45° | 523031 | 2388 | 713  | 1551 | 2047 |
| 50° | 406025 | 1330 | 682  | 1637 | 2320 |
| 55° | 235002 | 879  | 688  | 1835 | 2523 |
| 60° | 39734  | 219  | 614  | 1886 | 2763 |
| 65° | 3061   | 0    | 726  | 2127 | 3165 |
| 70° | 449    | 0    | 898  | 2308 | 3654 |
| 75° | 424    | 169  | 932  | 2711 | 4236 |
| 80° | 253    | 253  | 1389 | 2904 | 4925 |
| 85° | 503    | 503  | 2264 | 2768 | 5032 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 523031 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.4    | 0.6       |
| 10°-20°   | 3.0    | 1.3       |
| 20°-30°   | 9.6    | 4.0       |
| 30°-40°   | 61.5   | 25.5      |
| 40°-50°   | 112.5  | 46.7      |
| 50°-60°   | 46.2   | 19.2      |
| 60°-70°   | 3.9    | 1.6       |
| 70°-80°   | 1.9    | 0.8       |
| 80°-90°   | 0.9    | 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°    | 14.1   | 5.8       |
| 0°-40°    | 75.5   | 31.3      |
| 0°-60°    | 234.2  | 97.2      |
| 0°-90°    | 241.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 241.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 17   | 17  | 17  | 17   | 17   |      |
| 5°  | 20   | 18  | 16  | 14   | 13   | 2    |
| 15° | 16   | 12  | 9   | 8    | 9    | 5    |
| 25° | 98   | 10  | 5   | 6    | 7    | 64   |
| 35° | 1014 | 13  | 3   | 5    | 7    | 642  |
| 45° | 1687 | 8   | 2   | 5    | 7    | 1211 |
| 55° | 615  | 2   | 2   | 5    | 7    | 537  |
| 65° | 6    | 0   | 1   | 4    | 6    | 19   |
| 75° | 0    | 0   | 1   | 3    | 5    | 1    |
| 85° | 0    | 0   | 1   | 1    | 2    | 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°    | 16.8   | 16.8   | 16.8   | 16.8   | 16.8   | 16.8   | 16.8  | 16.8  | 16.8  | 16.8  | 16.8 |
| 2.5°  | 18.3   | 18.3   | 18.3   | 18.1   | 18.1   | 18.3   | 18.1  | 18.1  | 18.1  | 18.1  | 17.9 |
| 5°    | 19.5   | 19.5   | 19.5   | 19.5   | 19.5   | 19.5   | 19.5  | 19.3  | 19.3  | 19.0  | 18.1 |
| 7.5°  | 19.9   | 19.9   | 19.9   | 19.9   | 19.7   | 19.7   | 19.7  | 19.7  | 19.5  | 19.3  | 17.7 |
| 10°   | 19.0   | 19.0   | 19.0   | 18.8   | 18.8   | 18.8   | 18.6  | 18.6  | 18.3  | 18.1  | 16.3 |
| 12.5° | 17.2   | 17.2   | 17.2   | 17.2   | 17.0   | 17.0   | 16.8  | 16.8  | 16.5  | 16.3  | 14.3 |
| 15°   | 16.3   | 16.3   | 16.3   | 16.1   | 16.1   | 15.9   | 15.6  | 15.4  | 15.2  | 14.7  | 12.2 |
| 17.5° | 17.7   | 17.7   | 17.4   | 17.4   | 17.0   | 16.5   | 16.3  | 15.6  | 15.2  | 14.5  | 10.9 |
| 20°   | 23.6   | 23.8   | 22.9   | 22.2   | 21.7   | 20.4   | 19.7  | 18.6  | 17.7  | 16.5  | 10.0 |
| 22.5° | 47.6   | 46.7   | 45.1   | 42.6   | 39.6   | 37.1   | 32.6  | 29.0  | 26.5  | 23.1  | 9.7  |
| 25°   | 97.8   | 96.9   | 92.6   | 89.0   | 79.9   | 72.9   | 63.2  | 55.3  | 47.1  | 39.2  | 10.0 |
| 27.5° | 185.9  | 179.8  | 178.7  | 162.2  | 149.5  | 131.4  | 112.6 | 96.7  | 82.2  | 66.1  | 10.6 |
| 30°   | 353.5  | 346.5  | 321.8  | 296.9  | 262.7  | 224.0  | 187.1 | 152.6 | 123.9 | 97.8  | 11.6 |
| 31°   | 448.7  | 455.5  | 426.5  | 376.4  | 325.9  | 276.3  | 225.8 | 182.1 | 144.9 | 112.6 | 12.0 |
| 32°   | 589.8  | 560.1  | 529.5  | 478.1  | 404.7  | 341.3  | 277.9 | 214.9 | 166.0 | 128.4 | 12.5 |
| 33°   | 723.2  | 705.7  | 659.1  | 595.0  | 506.9  | 417.9  | 335.6 | 253.7 | 191.8 | 147.7 | 12.7 |
| 34°   | 865.4  | 846.1  | 808.3  | 716.4  | 619.7  | 503.0  | 393.4 | 298.3 | 222.6 | 166.5 | 12.9 |
| 35°   | 1013.7 | 1005.6 | 932.7  | 852.9  | 734.0  | 593.4  | 462.9 | 347.2 | 252.8 | 183.7 | 13.1 |
| 36°   | 1163.0 | 1136.7 | 1079.6 | 963.2  | 839.1  | 677.0  | 535.9 | 392.7 | 283.3 | 204.1 | 13.1 |
| 37°   | 1275.3 | 1269.4 | 1193.8 | 1080.3 | 934.5  | 766.2  | 598.8 | 443.2 | 314.1 | 221.5 | 13.1 |
| 38°   | 1399.2 | 1375.9 | 1299.1 | 1183.6 | 1024.2 | 848.0  | 664.7 | 487.2 | 343.3 | 237.4 | 12.9 |
| 39°   | 1503.6 | 1469.0 | 1391.5 | 1277.4 | 1102.5 | 910.0  | 717.0 | 529.7 | 369.2 | 250.5 | 12.7 |
| 40°   | 1572.0 | 1548.0 | 1467.2 | 1338.7 | 1173.6 | 968.7  | 770.0 | 564.8 | 388.4 | 260.5 | 12.2 |
| 41°   | 1647.4 | 1607.6 | 1527.6 | 1398.5 | 1225.3 | 1020.3 | 803.3 | 588.0 | 403.4 | 267.0 | 11.8 |
| 42°   | 1692.5 | 1659.9 | 1565.0 | 1438.6 | 1262.2 | 1049.8 | 830.5 | 605.6 | 412.4 | 270.4 | 10.9 |
| 43°   | 1734.6 | 1690.2 | 1597.8 | 1462.0 | 1286.7 | 1070.6 | 843.0 | 613.8 | 414.5 | 270.4 | 9.7  |
| 44°   | 1729.0 | 1686.8 | 1591.0 | 1465.1 | 1292.1 | 1076.7 | 848.2 | 614.0 | 411.3 | 267.0 | 8.6  |
| 45°   | 1686.6 | 1644.7 | 1558.4 | 1437.5 | 1272.6 | 1064.7 | 837.8 | 604.9 | 402.5 | 261.1 | 7.7  |
| 46°   | 1608.9 | 1567.3 | 1501.1 | 1391.3 | 1236.4 | 1037.5 | 813.5 | 585.2 | 387.7 | 251.6 | 6.8  |
| 47°   | 1524.5 | 1483.9 | 1416.2 | 1316.8 | 1174.5 | 989.1  | 778.4 | 557.6 | 367.1 | 237.8 | 6.1  |
| 48°   | 1401.9 | 1376.6 | 1308.6 | 1223.7 | 1088.7 | 913.2  | 716.8 | 512.5 | 339.5 | 219.9 | 5.2  |
| 49°   | 1293.7 | 1266.9 | 1207.4 | 1116.1 | 976.8  | 824.9  | 643.2 | 457.7 | 303.5 | 200.0 | 4.5  |
| 50°   | 1190.2 | 1166.8 | 1111.8 | 1008.8 | 875.8  | 718.2  | 543.8 | 388.6 | 258.2 | 175.3 | 3.9  |
| 51°   | 1088.9 | 1071.5 | 1015.3 | 920.7  | 785.7  | 636.2  | 471.1 | 323.6 | 213.3 | 145.4 | 3.6  |
| 52°   | 987.2  | 985.2  | 924.3  | 828.5  | 698.0  | 554.4  | 400.4 | 273.1 | 181.0 | 122.1 | 3.4  |
| 53°   | 877.8  | 864.7  | 811.5  | 725.4  | 600.2  | 469.3  | 339.5 | 230.3 | 155.8 | 104.0 | 2.9  |
| 54°   | 753.3  | 738.6  | 681.5  | 603.8  | 490.3  | 384.3  | 273.6 | 186.2 | 129.8 | 87.9  | 2.7  |
| 55°   | 614.7  | 589.5  | 548.1  | 468.4  | 383.0  | 293.3  | 211.3 | 147.4 | 103.7 | 73.2  | 2.3  |
| 56°   | 466.3  | 441.2  | 417.9  | 359.2  | 281.1  | 218.8  | 157.4 | 113.0 | 81.1  | 57.8  | 2.0  |
| 57°   | 324.3  | 323.0  | 284.7  | 239.6  | 188.0  | 149.0  | 107.8 | 79.7  | 57.3  | 44.8  | 1.6  |
| 58°   | 210.4  | 203.4  | 178.9  | 152.9  | 123.0  | 93.1   | 69.3  | 54.1  | 39.0  | 30.6  | 1.4  |
| 59°   | 147.4  | 133.4  | 120.3  | 101.9  | 77.5   | 58.7   | 44.6  | 34.7  | 27.0  | 21.3  | 0.9  |
| 60°   | 90.6   | 87.6   | 78.8   | 62.1   | 50.3   | 41.4   | 33.3  | 25.6  | 19.7  | 15.2  | 0.5  |
| 62.5° | 25.8   | 26.3   | 23.8   | 21.1   | 18.1   | 15.6   | 14.0  | 12.0  | 10.0  | 7.9   | 0.0  |
| 65°   | 5.9    | 5.7    | 6.1    | 5.7    | 5.2    | 5.2    | 4.5   | 4.1   | 3.6   | 3.4   | 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° | 1.8 | 1.8  | 1.6 | 1.6  | 1.6 | 1.4   | 1.4 | 1.1   | 1.1 | 0.9   | 0.0 |
| 70°   | 0.7 | 0.7  | 0.7 | 0.7  | 0.7 | 0.5   | 0.5 | 0.5   | 0.2 | 0.2   | 0.0 |
| 72.5° | 0.7 | 0.7  | 0.7 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.2 | 0.2   | 0.2 |
| 75°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.2   | 0.2 | 0.2   | 0.2 |
| 77.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.2   | 0.5 | 0.2   | 0.2 | 0.2   | 0.2 |
| 80°   | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 82.5° | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 85°   | 0.2 | 0.2  | 0.2 | 0.2  | 0.0 | 0.0   | 0.2 | 0.2   | 0.2 | 0.0   | 0.2 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 |
| 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):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 16.8  | 16.8 | 16.8   | 16.8 | 16.8   | 16.8 |
| 2.5°  | 17.4  | 16.5 | 15.9   | 15.2 | 14.9   | 14.9 |
| 5°    | 17.0  | 15.6 | 14.3   | 13.6 | 13.1   | 13.1 |
| 7.5°  | 15.6  | 14.0 | 12.7   | 12.0 | 11.8   | 11.8 |
| 10°   | 14.0  | 12.2 | 10.9   | 10.4 | 10.4   | 10.2 |
| 12.5° | 12.2  | 10.4 | 9.5    | 9.3  | 9.3    | 9.3  |
| 15°   | 10.2  | 8.8  | 8.2    | 8.2  | 8.4    | 8.6  |
| 17.5° | 8.6   | 7.2  | 7.0    | 7.5  | 7.9    | 7.9  |
| 20°   | 7.2   | 6.3  | 6.3    | 6.8  | 7.2    | 7.5  |
| 22.5° | 6.1   | 5.4  | 5.7    | 6.3  | 7.0    | 7.2  |
| 25°   | 5.4   | 4.8  | 5.2    | 5.9  | 6.6    | 7.0  |
| 27.5° | 4.5   | 4.3  | 4.8    | 5.7  | 6.6    | 6.8  |
| 30°   | 3.9   | 3.9  | 4.5    | 5.4  | 6.3    | 6.6  |
| 31°   | 3.6   | 3.6  | 4.5    | 5.4  | 6.3    | 6.6  |
| 32°   | 3.4   | 3.6  | 4.3    | 5.4  | 6.3    | 6.6  |
| 33°   | 3.2   | 3.4  | 4.3    | 5.2  | 6.3    | 6.6  |
| 34°   | 2.9   | 3.4  | 4.3    | 5.2  | 6.3    | 6.6  |
| 35°   | 2.7   | 3.4  | 4.3    | 5.2  | 6.3    | 6.6  |
| 36°   | 2.5   | 3.2  | 4.1    | 5.2  | 6.3    | 6.6  |
| 37°   | 2.3   | 3.2  | 4.1    | 5.2  | 6.3    | 6.6  |
| 38°   | 2.0   | 2.9  | 4.1    | 5.2  | 6.3    | 6.6  |
| 39°   | 2.0   | 2.9  | 3.9    | 5.2  | 6.1    | 6.6  |
| 40°   | 1.8   | 2.7  | 3.9    | 5.2  | 6.1    | 6.6  |
| 41°   | 1.6   | 2.7  | 3.9    | 5.0  | 6.1    | 6.6  |
| 42°   | 1.4   | 2.5  | 3.6    | 5.0  | 6.1    | 6.6  |
| 43°   | 1.1   | 2.5  | 3.6    | 5.0  | 6.1    | 6.6  |
| 44°   | 1.1   | 2.3  | 3.6    | 5.0  | 6.1    | 6.6  |
| 45°   | 0.9   | 2.3  | 3.6    | 5.0  | 6.1    | 6.6  |
| 46°   | 0.7   | 2.3  | 3.6    | 5.0  | 6.1    | 6.6  |
| 47°   | 0.7   | 2.0  | 3.4    | 5.0  | 6.1    | 6.6  |
| 48°   | 0.5   | 2.0  | 3.4    | 5.0  | 6.1    | 6.6  |
| 49°   | 0.5   | 2.0  | 3.4    | 5.0  | 6.1    | 6.8  |
| 50°   | 0.5   | 2.0  | 3.4    | 4.8  | 6.1    | 6.8  |
| 51°   | 0.2   | 2.0  | 3.4    | 4.8  | 6.1    | 6.8  |
| 52°   | 0.2   | 2.0  | 3.2    | 4.8  | 6.3    | 6.8  |
| 53°   | 0.2   | 1.8  | 3.2    | 4.8  | 6.3    | 6.8  |
| 54°   | 0.2   | 1.8  | 3.2    | 4.8  | 6.3    | 6.6  |
| 55°   | 0.2   | 1.8  | 3.2    | 4.8  | 6.1    | 6.6  |
| 56°   | 0.2   | 1.6  | 3.2    | 4.8  | 6.1    | 6.6  |
| 57°   | 0.2   | 1.6  | 2.9    | 4.5  | 6.1    | 6.3  |
| 58°   | 0.2   | 1.6  | 2.9    | 4.5  | 6.1    | 6.3  |
| 59°   | 0.2   | 1.6  | 2.9    | 4.5  | 5.9    | 6.3  |
| 60°   | 0.5   | 1.4  | 2.7    | 4.3  | 5.9    | 6.3  |
| 62.5° | 0.5   | 1.4  | 2.7    | 4.3  | 5.7    | 6.1  |
| 65°   | 0.5   | 1.4  | 2.5    | 4.1  | 5.7    | 6.1  |





TEST NUMBER: P1334440

CATALOG NUMBER: P3A02R209735DE010 E3CA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.5   | 1.1 | 2.3    | 3.9  | 5.4    | 5.9  |
| 70°   | 0.5   | 1.4 | 2.3    | 3.6  | 5.2    | 5.7  |
| 72.5° | 0.7   | 1.1 | 2.0    | 3.4  | 5.0    | 5.4  |
| 75°   | 0.7   | 1.1 | 2.0    | 3.2  | 4.8    | 5.0  |
| 77.5° | 0.9   | 1.1 | 1.8    | 2.7  | 4.3    | 4.5  |
| 80°   | 0.9   | 1.1 | 1.6    | 2.3  | 3.6    | 3.9  |
| 82.5° | 0.9   | 1.1 | 1.1    | 1.8  | 2.7    | 2.9  |
| 85°   | 0.7   | 0.9 | 0.9    | 1.1  | 1.8    | 2.0  |
| 87.5° | 0.7   | 0.9 | 0.7    | 0.5  | 0.9    | 0.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)