

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: P1336791

Luminaire Tested: P3A05R209024DE010 E3A451WH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336791  
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: P3A05R209024DE010 E3A451WH  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3A451WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

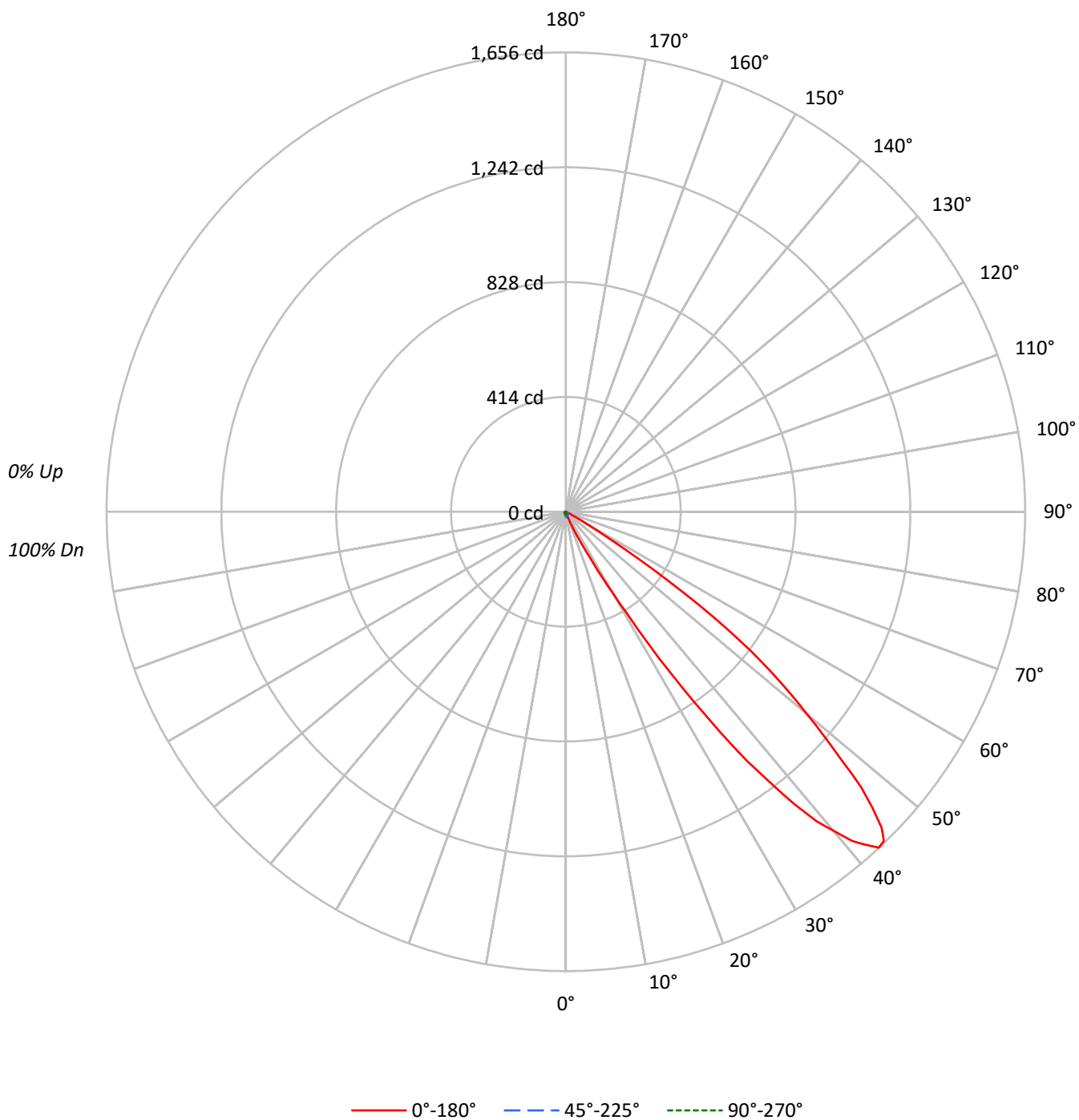
Lumens per Lamp: N/A  
Luminaire Lumens: 230.0 lumens  
Efficiency: N/A  
Efficacy: 31.9 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.14  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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: P1336791

CATALOG NUMBER: P3A05R209024DE010 E3A451WH

### Luminous Intensity Polar Plot



TEST NUMBER: P1336791

CATALOG NUMBER: P3A05R209024DE010 E3A451WH

**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°  | 3508   | 3508 | 3508 | 3508 | 3508 |
| 5°  | 4094   | 3808 | 3280 | 2862 | 2751 |
| 10° | 4052   | 3474 | 2605 | 2204 | 2160 |
| 15° | 3541   | 2656 | 1907 | 1771 | 1862 |
| 20° | 5250   | 2217 | 1423 | 1517 | 1657 |
| 25° | 22598  | 2299 | 1089 | 1355 | 1621 |
| 30° | 85431  | 2785 | 937  | 1317 | 1595 |
| 35° | 258992 | 3346 | 857  | 1338 | 1686 |
| 40° | 429462 | 3349 | 744  | 1431 | 1803 |
| 45° | 499153 | 2264 | 682  | 1489 | 1954 |
| 50° | 387467 | 1262 | 648  | 1535 | 2217 |
| 55° | 224260 | 841  | 650  | 1720 | 2409 |
| 60° | 37936  | 175  | 570  | 1798 | 2675 |
| 65° | 2906   | 0    | 675  | 2024 | 3009 |
| 70° | 385    | 0    | 833  | 2244 | 3462 |
| 75° | 339    | 169  | 932  | 2542 | 4067 |
| 80° | 253    | 253  | 1389 | 2778 | 4672 |
| 85° | 503    | 503  | 2264 | 2768 | 4780 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 499153 cd/sqm

TEST NUMBER: P1336791

CATALOG NUMBER: P3A05R209024DE010 E3A451WH

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.4    | 0.6       |
| 10°-20°   | 2.9    | 1.3       |
| 20°-30°   | 9.2    | 4.0       |
| 30°-40°   | 58.7   | 25.5      |
| 40°-50°   | 107.4  | 46.7      |
| 50°-60°   | 44.1   | 19.2      |
| 60°-70°   | 3.7    | 1.6       |
| 70°-80°   | 1.8    | 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°    | 13.4   | 5.8       |
| 0°-40°    | 72.1   | 31.3      |
| 0°-60°    | 223.6  | 97.2      |
| 0°-90°    | 230.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 230.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 16   | 16  | 16  | 16   | 16   |      |
| 5°  | 19   | 17  | 15  | 13   | 12   | 2    |
| 15° | 16   | 12  | 8   | 8    | 8    | 5    |
| 25° | 93   | 10  | 4   | 6    | 7    | 61   |
| 35° | 968  | 12  | 3   | 5    | 6    | 612  |
| 45° | 1610 | 7   | 2   | 5    | 6    | 1156 |
| 55° | 587  | 2   | 2   | 4    | 6    | 513  |
| 65° | 6    | 0   | 1   | 4    | 6    | 18   |
| 75° | 0    | 0   | 1   | 3    | 5    | 0    |
| 85° | 0    | 0   | 1   | 1    | 2    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1336791

CATALOG NUMBER: P3A05R209024DE010 E3A451WH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°   | 17.5° | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|------|
| 0°    | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0  | 16.0  | 16.0  | 16.0  | 16.0 |
| 2.5°  | 17.5   | 17.5   | 17.5   | 17.3   | 17.3   | 17.5   | 17.3  | 17.3  | 17.3  | 17.3  | 17.1 |
| 5°    | 18.6   | 18.6   | 18.6   | 18.6   | 18.6   | 18.6   | 18.6  | 18.4  | 18.4  | 18.2  | 17.3 |
| 7.5°  | 19.0   | 19.0   | 19.0   | 19.0   | 18.8   | 18.8   | 18.8  | 18.8  | 18.6  | 18.4  | 16.9 |
| 10°   | 18.2   | 18.2   | 18.2   | 17.9   | 17.9   | 17.9   | 17.7  | 17.7  | 17.5  | 17.3  | 15.6 |
| 12.5° | 16.4   | 16.4   | 16.4   | 16.4   | 16.2   | 16.2   | 16.0  | 16.0  | 15.8  | 15.6  | 13.6 |
| 15°   | 15.6   | 15.6   | 15.6   | 15.3   | 15.3   | 15.1   | 14.9  | 14.7  | 14.5  | 14.0  | 11.7 |
| 17.5° | 16.9   | 16.9   | 16.6   | 16.6   | 16.2   | 15.8   | 15.6  | 14.9  | 14.5  | 13.8  | 10.4 |
| 20°   | 22.5   | 22.7   | 21.8   | 21.2   | 20.8   | 19.5   | 18.8  | 17.7  | 16.9  | 15.8  | 9.5  |
| 22.5° | 45.4   | 44.5   | 43.0   | 40.6   | 37.8   | 35.4   | 31.1  | 27.7  | 25.3  | 22.0  | 9.3  |
| 25°   | 93.4   | 92.5   | 88.4   | 84.9   | 76.3   | 69.6   | 60.3  | 52.7  | 45.0  | 37.4  | 9.5  |
| 27.5° | 177.5  | 171.6  | 170.5  | 154.8  | 142.7  | 125.4  | 107.4 | 92.3  | 78.5  | 63.1  | 10.2 |
| 30°   | 337.4  | 330.7  | 307.1  | 283.4  | 250.7  | 213.8  | 178.5 | 145.7 | 118.2 | 93.4  | 11.0 |
| 31°   | 428.2  | 434.7  | 407.0  | 359.2  | 311.0  | 263.7  | 215.5 | 173.8 | 138.3 | 107.4 | 11.5 |
| 32°   | 562.8  | 534.5  | 505.3  | 456.3  | 386.3  | 325.7  | 265.2 | 205.1 | 158.4 | 122.6 | 11.9 |
| 33°   | 690.2  | 673.5  | 629.0  | 567.8  | 483.7  | 398.8  | 320.3 | 242.1 | 183.1 | 140.9 | 12.1 |
| 34°   | 825.9  | 807.5  | 771.4  | 683.7  | 591.4  | 480.1  | 375.4 | 284.7 | 212.5 | 158.9 | 12.3 |
| 35°   | 967.5  | 959.7  | 890.1  | 814.0  | 700.5  | 566.3  | 441.8 | 331.4 | 241.2 | 175.3 | 12.5 |
| 36°   | 1109.9 | 1084.8 | 1030.4 | 919.3  | 800.8  | 646.1  | 511.4 | 374.8 | 270.4 | 194.7 | 12.5 |
| 37°   | 1217.1 | 1211.5 | 1139.3 | 1031.0 | 891.8  | 731.2  | 571.5 | 423.0 | 299.8 | 211.4 | 12.5 |
| 38°   | 1335.4 | 1313.1 | 1239.8 | 1129.6 | 977.4  | 809.3  | 634.4 | 464.9 | 327.7 | 226.5 | 12.3 |
| 39°   | 1435.0 | 1401.9 | 1328.0 | 1219.1 | 1052.2 | 868.5  | 684.3 | 505.6 | 352.3 | 239.1 | 12.1 |
| 40°   | 1500.3 | 1477.4 | 1400.2 | 1277.6 | 1120.1 | 924.5  | 734.9 | 539.1 | 370.7 | 248.6 | 11.7 |
| 41°   | 1572.2 | 1534.2 | 1457.9 | 1334.7 | 1169.3 | 973.7  | 766.7 | 561.1 | 385.0 | 254.8 | 11.2 |
| 42°   | 1615.3 | 1584.1 | 1493.6 | 1373.0 | 1204.6 | 1001.8 | 792.6 | 578.0 | 393.6 | 258.1 | 10.4 |
| 43°   | 1655.5 | 1613.1 | 1524.9 | 1395.2 | 1227.9 | 1021.7 | 804.5 | 585.8 | 395.5 | 258.1 | 9.3  |
| 44°   | 1650.1 | 1609.9 | 1518.4 | 1398.2 | 1233.1 | 1027.6 | 809.5 | 586.0 | 392.5 | 254.8 | 8.2  |
| 45°   | 1609.6 | 1569.7 | 1487.3 | 1371.9 | 1214.5 | 1016.1 | 799.5 | 577.3 | 384.1 | 249.2 | 7.3  |
| 46°   | 1535.5 | 1495.7 | 1432.6 | 1327.8 | 1179.9 | 990.2  | 776.4 | 558.5 | 370.0 | 240.1 | 6.5  |
| 47°   | 1454.9 | 1416.2 | 1351.6 | 1256.7 | 1120.9 | 943.9  | 742.9 | 532.2 | 350.4 | 227.0 | 5.8  |
| 48°   | 1337.9 | 1313.7 | 1248.9 | 1167.8 | 1039.0 | 871.5  | 684.1 | 489.1 | 324.0 | 209.9 | 5.0  |
| 49°   | 1234.6 | 1209.1 | 1152.3 | 1065.2 | 932.2  | 787.2  | 613.9 | 436.8 | 289.6 | 190.9 | 4.3  |
| 50°   | 1135.8 | 1113.6 | 1061.1 | 962.7  | 835.8  | 685.4  | 519.0 | 370.9 | 246.4 | 167.3 | 3.7  |
| 51°   | 1039.2 | 1022.6 | 969.0  | 878.6  | 749.8  | 607.2  | 449.6 | 308.9 | 203.6 | 138.8 | 3.5  |
| 52°   | 942.2  | 940.2  | 882.1  | 790.7  | 666.2  | 529.1  | 382.1 | 260.7 | 172.7 | 116.5 | 3.2  |
| 53°   | 837.8  | 825.2  | 774.5  | 692.3  | 572.8  | 447.9  | 324.0 | 219.8 | 148.7 | 99.2  | 2.8  |
| 54°   | 718.9  | 704.9  | 650.4  | 576.2  | 468.0  | 366.8  | 261.1 | 177.7 | 123.9 | 83.9  | 2.6  |
| 55°   | 586.6  | 562.6  | 523.1  | 447.0  | 365.5  | 279.9  | 201.7 | 140.7 | 99.0  | 69.8  | 2.2  |
| 56°   | 445.0  | 421.1  | 398.8  | 342.8  | 268.2  | 208.8  | 150.2 | 107.9 | 77.4  | 55.1  | 1.9  |
| 57°   | 309.5  | 308.2  | 271.7  | 228.7  | 179.4  | 142.2  | 102.9 | 76.1  | 54.7  | 42.8  | 1.5  |
| 58°   | 200.8  | 194.1  | 170.8  | 145.9  | 117.4  | 88.8   | 66.1  | 51.7  | 37.2  | 29.2  | 1.3  |
| 59°   | 140.7  | 127.3  | 114.8  | 97.3   | 73.9   | 56.0   | 42.6  | 33.1  | 25.7  | 20.3  | 0.9  |
| 60°   | 86.5   | 83.6   | 75.2   | 59.2   | 48.0   | 39.6   | 31.8  | 24.4  | 18.8  | 14.5  | 0.4  |
| 62.5° | 24.6   | 25.1   | 22.7   | 20.1   | 17.3   | 14.9   | 13.4  | 11.5  | 9.5   | 7.6   | 0.0  |
| 65°   | 5.6    | 5.4    | 5.8    | 5.4    | 5.0    | 5.0    | 4.3   | 3.9   | 3.5   | 3.2   | 0.0  |



TEST NUMBER: P1336791

CATALOG NUMBER: P3A05R209024DE010 E3A451WH

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 1.7 | 1.7  | 1.5 | 1.5  | 1.5 | 1.3   | 1.3 | 1.1   | 1.1 | 0.9   | 0.0 |
| 70°   | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.4   | 0.4 | 0.4   | 0.2 | 0.2   | 0.0 |
| 72.5° | 0.6 | 0.6  | 0.6 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.2 | 0.2   | 0.2 |
| 75°   | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.2   | 0.2 | 0.2   | 0.2 |
| 77.5° | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.2   | 0.4 | 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 |

TEST NUMBER: P1336791

CATALOG NUMBER: P3A05R209024DE010 E3A451WH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 16.0  | 16.0 | 16.0   | 16.0 | 16.0   | 16.0 |
| 2.5°  | 16.6  | 15.8 | 15.1   | 14.5 | 14.3   | 14.3 |
| 5°    | 16.2  | 14.9 | 13.6   | 13.0 | 12.5   | 12.5 |
| 7.5°  | 14.9  | 13.4 | 12.1   | 11.5 | 11.2   | 11.2 |
| 10°   | 13.4  | 11.7 | 10.4   | 9.9  | 9.9    | 9.7  |
| 12.5° | 11.7  | 9.9  | 9.1    | 8.9  | 8.9    | 8.9  |
| 15°   | 9.7   | 8.4  | 7.8    | 7.8  | 8.0    | 8.2  |
| 17.5° | 8.2   | 6.9  | 6.7    | 7.1  | 7.6    | 7.6  |
| 20°   | 6.9   | 6.1  | 6.1    | 6.5  | 6.9    | 7.1  |
| 22.5° | 5.8   | 5.2  | 5.4    | 6.1  | 6.7    | 6.9  |
| 25°   | 5.2   | 4.5  | 5.0    | 5.6  | 6.3    | 6.7  |
| 27.5° | 4.3   | 4.1  | 4.5    | 5.4  | 6.3    | 6.5  |
| 30°   | 3.7   | 3.7  | 4.3    | 5.2  | 6.1    | 6.3  |
| 31°   | 3.5   | 3.5  | 4.3    | 5.2  | 6.1    | 6.3  |
| 32°   | 3.2   | 3.5  | 4.1    | 5.2  | 6.1    | 6.3  |
| 33°   | 3.0   | 3.2  | 4.1    | 5.0  | 6.1    | 6.3  |
| 34°   | 2.8   | 3.2  | 4.1    | 5.0  | 6.1    | 6.3  |
| 35°   | 2.6   | 3.2  | 4.1    | 5.0  | 6.1    | 6.3  |
| 36°   | 2.4   | 3.0  | 3.9    | 5.0  | 6.1    | 6.3  |
| 37°   | 2.2   | 3.0  | 3.9    | 5.0  | 6.1    | 6.3  |
| 38°   | 1.9   | 2.8  | 3.9    | 5.0  | 6.1    | 6.3  |
| 39°   | 1.9   | 2.8  | 3.7    | 5.0  | 5.8    | 6.3  |
| 40°   | 1.7   | 2.6  | 3.7    | 5.0  | 5.8    | 6.3  |
| 41°   | 1.5   | 2.6  | 3.7    | 4.8  | 5.8    | 6.3  |
| 42°   | 1.3   | 2.4  | 3.5    | 4.8  | 5.8    | 6.3  |
| 43°   | 1.1   | 2.4  | 3.5    | 4.8  | 5.8    | 6.3  |
| 44°   | 1.1   | 2.2  | 3.5    | 4.8  | 5.8    | 6.3  |
| 45°   | 0.9   | 2.2  | 3.5    | 4.8  | 5.8    | 6.3  |
| 46°   | 0.6   | 2.2  | 3.5    | 4.8  | 5.8    | 6.3  |
| 47°   | 0.6   | 1.9  | 3.2    | 4.8  | 5.8    | 6.3  |
| 48°   | 0.4   | 1.9  | 3.2    | 4.8  | 5.8    | 6.3  |
| 49°   | 0.4   | 1.9  | 3.2    | 4.8  | 5.8    | 6.5  |
| 50°   | 0.4   | 1.9  | 3.2    | 4.5  | 5.8    | 6.5  |
| 51°   | 0.2   | 1.9  | 3.2    | 4.5  | 5.8    | 6.5  |
| 52°   | 0.2   | 1.9  | 3.0    | 4.5  | 6.1    | 6.5  |
| 53°   | 0.2   | 1.7  | 3.0    | 4.5  | 6.1    | 6.5  |
| 54°   | 0.2   | 1.7  | 3.0    | 4.5  | 6.1    | 6.3  |
| 55°   | 0.2   | 1.7  | 3.0    | 4.5  | 5.8    | 6.3  |
| 56°   | 0.2   | 1.5  | 3.0    | 4.5  | 5.8    | 6.3  |
| 57°   | 0.2   | 1.5  | 2.8    | 4.3  | 5.8    | 6.1  |
| 58°   | 0.2   | 1.5  | 2.8    | 4.3  | 5.8    | 6.1  |
| 59°   | 0.2   | 1.5  | 2.8    | 4.3  | 5.6    | 6.1  |
| 60°   | 0.4   | 1.3  | 2.6    | 4.1  | 5.6    | 6.1  |
| 62.5° | 0.4   | 1.3  | 2.6    | 4.1  | 5.4    | 5.8  |
| 65°   | 0.4   | 1.3  | 2.4    | 3.9  | 5.4    | 5.8  |



TEST NUMBER: P1336791

CATALOG NUMBER: P3A05R209024DE010 E3A451WH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.4   | 1.1 | 2.2    | 3.7  | 5.2    | 5.6  |
| 70°   | 0.4   | 1.3 | 2.2    | 3.5  | 5.0    | 5.4  |
| 72.5° | 0.6   | 1.1 | 1.9    | 3.2  | 4.8    | 5.2  |
| 75°   | 0.6   | 1.1 | 1.9    | 3.0  | 4.5    | 4.8  |
| 77.5° | 0.9   | 1.1 | 1.7    | 2.6  | 4.1    | 4.3  |
| 80°   | 0.9   | 1.1 | 1.5    | 2.2  | 3.5    | 3.7  |
| 82.5° | 0.9   | 1.1 | 1.1    | 1.7  | 2.6    | 2.8  |
| 85°   | 0.6   | 0.9 | 0.9    | 1.1  | 1.7    | 1.9  |
| 87.5° | 0.6   | 0.9 | 0.6    | 0.4  | 0.9    | 0.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)