

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: P1336910

Luminaire Tested: P3A05R209730DE010 E3A451WMH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336910  
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: P3A05R209730DE010 E3A451WMH  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3A451WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

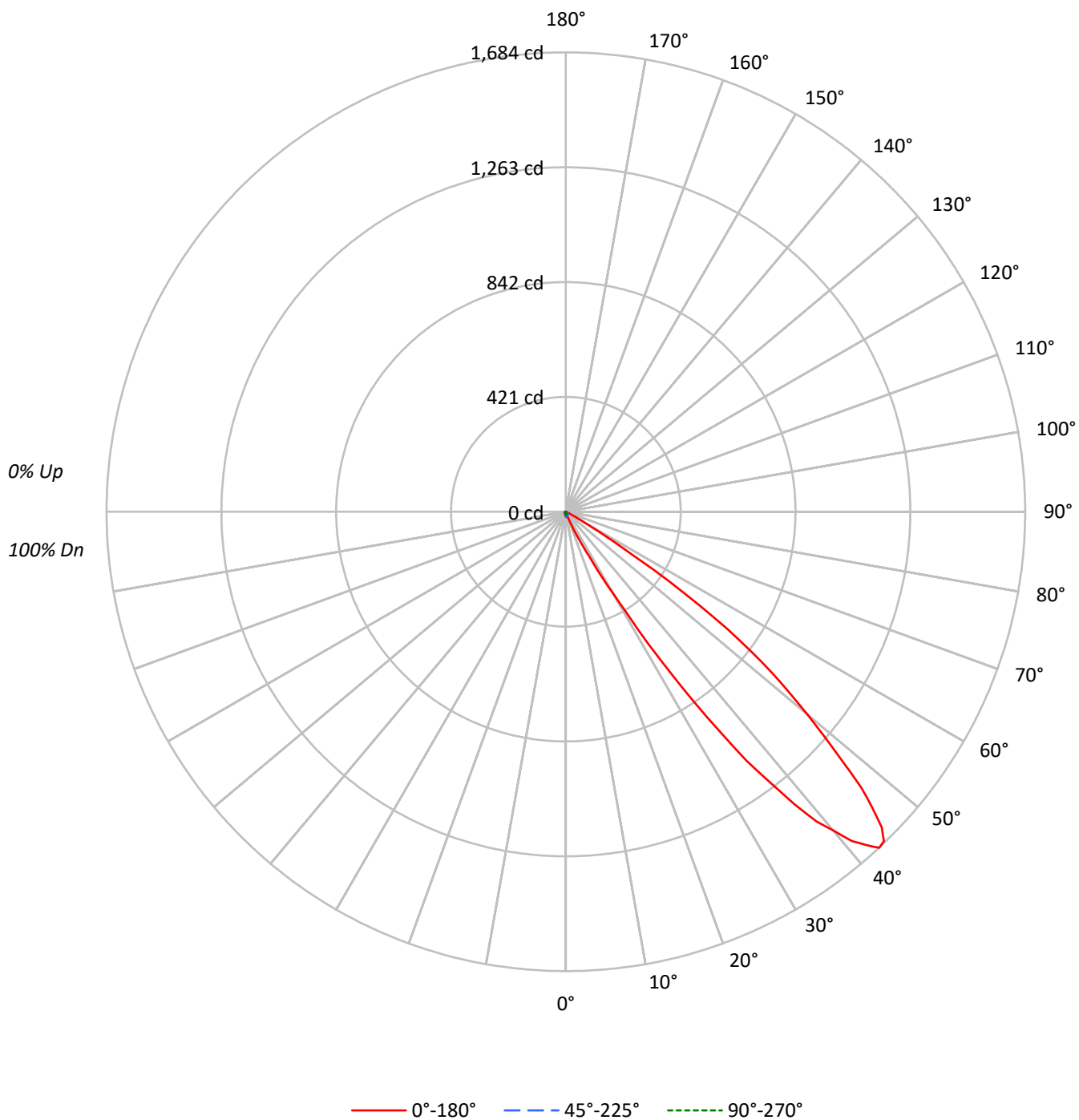
Lumens per Lamp: N/A  
Luminaire Lumens: 234.0 lumens  
Efficiency: N/A  
Efficacy: 32.5 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P1336910

CATALOG NUMBER: P3A05R209730DE010 E3A451WMH

### Luminous Intensity Polar Plot



TEST NUMBER: P1336910

CATALOG NUMBER: P3A05R209730DE010 E3A451WMH

**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  | 0   |
| 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°  | 3574   | 3574 | 3574 | 3574 | 3574 |
| 5°  | 4160   | 3874 | 3346 | 2906 | 2818 |
| 10° | 4119   | 3518 | 2650 | 2249 | 2204 |
| 15° | 3587   | 2701 | 1952 | 1793 | 1907 |
| 20° | 5344   | 2264 | 1447 | 1540 | 1703 |
| 25° | 22985  | 2347 | 1113 | 1379 | 1645 |
| 30° | 86925  | 2836 | 937  | 1342 | 1621 |
| 35° | 263490 | 3426 | 883  | 1365 | 1713 |
| 40° | 436933 | 3406 | 744  | 1460 | 1832 |
| 45° | 507836 | 2326 | 682  | 1489 | 1985 |
| 50° | 394222 | 1262 | 682  | 1569 | 2252 |
| 55° | 228159 | 841  | 688  | 1759 | 2447 |
| 60° | 38593  | 175  | 570  | 1842 | 2719 |
| 65° | 2958   | 0    | 675  | 2075 | 3061 |
| 70° | 449    | 0    | 833  | 2244 | 3526 |
| 75° | 339    | 169  | 932  | 2626 | 4067 |
| 80° | 253    | 253  | 1389 | 2778 | 4672 |
| 85° | 503    | 503  | 2264 | 2768 | 5032 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 507836 cd/sqm

TEST NUMBER: P1336910

CATALOG NUMBER: P3A05R209730DE010 E3A451WMH

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.4    | 0.6       |
| 10°-20°   | 2.9    | 1.3       |
| 20°-30°   | 9.3    | 4.0       |
| 30°-40°   | 59.7   | 25.5      |
| 40°-50°   | 109.2  | 46.7      |
| 50°-60°   | 44.9   | 19.2      |
| 60°-70°   | 3.8    | 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°    | 13.7   | 5.8       |
| 0°-40°    | 73.4   | 31.3      |
| 0°-60°    | 227.4  | 97.2      |
| 0°-90°    | 234.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 234.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 16   | 16  | 16  | 16   | 16   |      |
| 5°  | 19   | 18  | 15  | 13   | 13   | 2    |
| 15° | 16   | 12  | 9   | 8    | 8    | 5    |
| 25° | 95   | 10  | 5   | 6    | 7    | 62   |
| 35° | 984  | 13  | 3   | 5    | 6    | 623  |
| 45° | 1638 | 8   | 2   | 5    | 6    | 1176 |
| 55° | 597  | 2   | 2   | 5    | 6    | 522  |
| 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    |      |

TEST NUMBER: P1336910

CATALOG NUMBER: P3A05R209730DE010 E3A451WMH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°   | 17.5° | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|------|
| 0°    | 16.3   | 16.3   | 16.3   | 16.3   | 16.3   | 16.3   | 16.3  | 16.3  | 16.3  | 16.3  | 16.3 |
| 2.5°  | 17.8   | 17.8   | 17.8   | 17.6   | 17.6   | 17.8   | 17.6  | 17.6  | 17.6  | 17.6  | 17.4 |
| 5°    | 18.9   | 18.9   | 18.9   | 18.9   | 18.9   | 18.9   | 18.9  | 18.7  | 18.7  | 18.5  | 17.6 |
| 7.5°  | 19.4   | 19.4   | 19.4   | 19.4   | 19.1   | 19.1   | 19.1  | 19.1  | 18.9  | 18.7  | 17.2 |
| 10°   | 18.5   | 18.5   | 18.5   | 18.3   | 18.3   | 18.3   | 18.0  | 18.0  | 17.8  | 17.6  | 15.8 |
| 12.5° | 16.7   | 16.7   | 16.7   | 16.7   | 16.5   | 16.5   | 16.3  | 16.3  | 16.1  | 15.8  | 13.9 |
| 15°   | 15.8   | 15.8   | 15.8   | 15.6   | 15.6   | 15.4   | 15.2  | 15.0  | 14.7  | 14.3  | 11.9 |
| 17.5° | 17.2   | 17.2   | 16.9   | 16.9   | 16.5   | 16.1   | 15.8  | 15.2  | 14.7  | 14.1  | 10.6 |
| 20°   | 22.9   | 23.1   | 22.2   | 21.6   | 21.1   | 19.8   | 19.1  | 18.0  | 17.2  | 16.1  | 9.7  |
| 22.5° | 46.2   | 45.3   | 43.8   | 41.3   | 38.5   | 36.1   | 31.7  | 28.1  | 25.7  | 22.4  | 9.5  |
| 25°   | 95.0   | 94.1   | 89.9   | 86.4   | 77.6   | 70.8   | 61.4  | 53.7  | 45.7  | 38.0  | 9.7  |
| 27.5° | 180.5  | 174.6  | 173.5  | 157.5  | 145.1  | 127.5  | 109.3 | 93.9  | 79.8  | 64.2  | 10.3 |
| 30°   | 343.3  | 336.5  | 312.5  | 288.3  | 255.1  | 217.5  | 181.6 | 148.2 | 120.3 | 95.0  | 11.2 |
| 31°   | 435.6  | 442.2  | 414.1  | 365.5  | 316.4  | 268.3  | 219.2 | 176.8 | 140.7 | 109.3 | 11.7 |
| 32°   | 572.6  | 543.8  | 514.1  | 464.2  | 393.0  | 331.4  | 269.8 | 208.7 | 161.2 | 124.7 | 12.1 |
| 33°   | 702.2  | 685.2  | 639.9  | 577.7  | 492.1  | 405.7  | 325.9 | 246.3 | 186.3 | 143.4 | 12.3 |
| 34°   | 840.3  | 821.6  | 784.8  | 695.6  | 601.7  | 488.4  | 382.0 | 289.6 | 216.2 | 161.6 | 12.5 |
| 35°   | 984.3  | 976.4  | 905.6  | 828.2  | 712.7  | 576.2  | 449.5 | 337.1 | 245.4 | 178.3 | 12.8 |
| 36°   | 1129.2 | 1103.7 | 1048.3 | 935.3  | 814.7  | 657.3  | 520.3 | 381.3 | 275.1 | 198.1 | 12.8 |
| 37°   | 1238.3 | 1232.6 | 1159.1 | 1048.9 | 907.3  | 743.9  | 581.4 | 430.4 | 305.0 | 215.1 | 12.8 |
| 38°   | 1358.6 | 1335.9 | 1261.4 | 1149.2 | 994.4  | 823.3  | 645.4 | 473.0 | 333.4 | 230.5 | 12.5 |
| 39°   | 1459.9 | 1426.3 | 1351.1 | 1240.3 | 1070.5 | 883.6  | 696.2 | 514.4 | 358.4 | 243.2 | 12.3 |
| 40°   | 1526.4 | 1503.1 | 1424.5 | 1299.9 | 1139.5 | 940.5  | 747.7 | 548.4 | 377.1 | 252.9 | 11.9 |
| 41°   | 1599.6 | 1560.9 | 1483.3 | 1357.9 | 1189.7 | 990.7  | 780.0 | 570.9 | 391.7 | 259.3 | 11.4 |
| 42°   | 1643.4 | 1611.7 | 1519.5 | 1396.8 | 1225.5 | 1019.3 | 806.4 | 588.0 | 400.4 | 262.6 | 10.6 |
| 43°   | 1684.3 | 1641.2 | 1551.4 | 1419.5 | 1249.3 | 1039.5 | 818.5 | 595.9 | 402.4 | 262.6 | 9.5  |
| 44°   | 1678.8 | 1637.9 | 1544.8 | 1422.6 | 1254.6 | 1045.4 | 823.5 | 596.2 | 399.3 | 259.3 | 8.4  |
| 45°   | 1637.6 | 1597.0 | 1513.2 | 1395.7 | 1235.6 | 1033.8 | 813.4 | 587.4 | 390.8 | 253.6 | 7.5  |
| 46°   | 1562.2 | 1521.7 | 1457.5 | 1350.9 | 1200.5 | 1007.4 | 789.9 | 568.2 | 376.5 | 244.3 | 6.6  |
| 47°   | 1480.2 | 1440.8 | 1375.1 | 1278.5 | 1140.4 | 960.3  | 755.8 | 541.4 | 356.5 | 230.9 | 5.9  |
| 48°   | 1361.2 | 1336.6 | 1270.6 | 1188.1 | 1057.1 | 886.7  | 696.0 | 497.6 | 329.6 | 213.5 | 5.1  |
| 49°   | 1256.1 | 1230.1 | 1172.3 | 1083.7 | 948.5  | 800.9  | 624.5 | 444.4 | 294.7 | 194.2 | 4.4  |
| 50°   | 1155.6 | 1133.0 | 1079.5 | 979.5  | 850.4  | 697.3  | 528.0 | 377.4 | 250.7 | 170.2 | 3.7  |
| 51°   | 1057.3 | 1040.4 | 985.8  | 893.9  | 762.9  | 617.7  | 457.4 | 314.2 | 207.2 | 141.2 | 3.5  |
| 52°   | 958.6  | 956.6  | 897.4  | 804.4  | 677.7  | 538.3  | 388.8 | 265.2 | 175.7 | 118.5 | 3.3  |
| 53°   | 852.4  | 839.6  | 787.9  | 704.4  | 582.7  | 455.6  | 329.6 | 223.6 | 151.3 | 100.9 | 2.9  |
| 54°   | 731.4  | 717.1  | 661.7  | 586.3  | 476.1  | 373.2  | 265.6 | 180.8 | 126.0 | 85.3  | 2.6  |
| 55°   | 596.8  | 572.4  | 532.2  | 454.8  | 371.9  | 284.8  | 205.2 | 143.2 | 100.7 | 71.0  | 2.2  |
| 56°   | 452.8  | 428.4  | 405.7  | 348.8  | 272.9  | 212.4  | 152.8 | 109.7 | 78.7  | 56.1  | 2.0  |
| 57°   | 314.9  | 313.6  | 276.4  | 232.7  | 182.5  | 144.7  | 104.7 | 77.4  | 55.6  | 43.5  | 1.5  |
| 58°   | 204.3  | 197.5  | 173.7  | 148.4  | 119.4  | 90.4   | 67.3  | 52.6  | 37.8  | 29.7  | 1.3  |
| 59°   | 143.2  | 129.5  | 116.8  | 99.0   | 75.2   | 57.0   | 43.3  | 33.6  | 26.2  | 20.7  | 0.9  |
| 60°   | 88.0   | 85.1   | 76.5   | 60.3   | 48.8   | 40.2   | 32.3  | 24.8  | 19.1  | 14.7  | 0.4  |
| 62.5° | 25.1   | 25.5   | 23.1   | 20.5   | 17.6   | 15.2   | 13.6  | 11.7  | 9.7   | 7.7   | 0.0  |
| 65°   | 5.7    | 5.5    | 5.9    | 5.5    | 5.1    | 5.1    | 4.4   | 4.0   | 3.5   | 3.3   | 0.0  |



TEST NUMBER: P1336910

CATALOG NUMBER: P3A05R209730DE010 E3A451WMH

**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  | 1.5 | 1.5  | 1.5 | 1.3   | 1.3 | 1.1   | 1.1 | 0.9   | 0.0 |
| 70°   | 0.7 | 0.7  | 0.7 | 0.7  | 0.7 | 0.4   | 0.4 | 0.4   | 0.2 | 0.2   | 0.0 |
| 72.5° | 0.7 | 0.7  | 0.7 | 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: P1336910

CATALOG NUMBER: P3A05R209730DE010 E3A451WMH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 16.3  | 16.3 | 16.3   | 16.3 | 16.3   | 16.3 |
| 2.5°  | 16.9  | 16.1 | 15.4   | 14.7 | 14.5   | 14.5 |
| 5°    | 16.5  | 15.2 | 13.9   | 13.2 | 12.8   | 12.8 |
| 7.5°  | 15.2  | 13.6 | 12.3   | 11.7 | 11.4   | 11.4 |
| 10°   | 13.6  | 11.9 | 10.6   | 10.1 | 10.1   | 9.9  |
| 12.5° | 11.9  | 10.1 | 9.2    | 9.0  | 9.0    | 9.0  |
| 15°   | 9.9   | 8.6  | 7.9    | 7.9  | 8.1    | 8.4  |
| 17.5° | 8.4   | 7.0  | 6.8    | 7.3  | 7.7    | 7.7  |
| 20°   | 7.0   | 6.2  | 6.2    | 6.6  | 7.0    | 7.3  |
| 22.5° | 5.9   | 5.3  | 5.5    | 6.2  | 6.8    | 7.0  |
| 25°   | 5.3   | 4.6  | 5.1    | 5.7  | 6.4    | 6.8  |
| 27.5° | 4.4   | 4.2  | 4.6    | 5.5  | 6.4    | 6.6  |
| 30°   | 3.7   | 3.7  | 4.4    | 5.3  | 6.2    | 6.4  |
| 31°   | 3.5   | 3.5  | 4.4    | 5.3  | 6.2    | 6.4  |
| 32°   | 3.3   | 3.5  | 4.2    | 5.3  | 6.2    | 6.4  |
| 33°   | 3.1   | 3.3  | 4.2    | 5.1  | 6.2    | 6.4  |
| 34°   | 2.9   | 3.3  | 4.2    | 5.1  | 6.2    | 6.4  |
| 35°   | 2.6   | 3.3  | 4.2    | 5.1  | 6.2    | 6.4  |
| 36°   | 2.4   | 3.1  | 4.0    | 5.1  | 6.2    | 6.4  |
| 37°   | 2.2   | 3.1  | 4.0    | 5.1  | 6.2    | 6.4  |
| 38°   | 2.0   | 2.9  | 4.0    | 5.1  | 6.2    | 6.4  |
| 39°   | 2.0   | 2.9  | 3.7    | 5.1  | 5.9    | 6.4  |
| 40°   | 1.8   | 2.6  | 3.7    | 5.1  | 5.9    | 6.4  |
| 41°   | 1.5   | 2.6  | 3.7    | 4.8  | 5.9    | 6.4  |
| 42°   | 1.3   | 2.4  | 3.5    | 4.8  | 5.9    | 6.4  |
| 43°   | 1.1   | 2.4  | 3.5    | 4.8  | 5.9    | 6.4  |
| 44°   | 1.1   | 2.2  | 3.5    | 4.8  | 5.9    | 6.4  |
| 45°   | 0.9   | 2.2  | 3.5    | 4.8  | 5.9    | 6.4  |
| 46°   | 0.7   | 2.2  | 3.5    | 4.8  | 5.9    | 6.4  |
| 47°   | 0.7   | 2.0  | 3.3    | 4.8  | 5.9    | 6.4  |
| 48°   | 0.4   | 2.0  | 3.3    | 4.8  | 5.9    | 6.4  |
| 49°   | 0.4   | 2.0  | 3.3    | 4.8  | 5.9    | 6.6  |
| 50°   | 0.4   | 2.0  | 3.3    | 4.6  | 5.9    | 6.6  |
| 51°   | 0.2   | 2.0  | 3.3    | 4.6  | 5.9    | 6.6  |
| 52°   | 0.2   | 2.0  | 3.1    | 4.6  | 6.2    | 6.6  |
| 53°   | 0.2   | 1.8  | 3.1    | 4.6  | 6.2    | 6.6  |
| 54°   | 0.2   | 1.8  | 3.1    | 4.6  | 6.2    | 6.4  |
| 55°   | 0.2   | 1.8  | 3.1    | 4.6  | 5.9    | 6.4  |
| 56°   | 0.2   | 1.5  | 3.1    | 4.6  | 5.9    | 6.4  |
| 57°   | 0.2   | 1.5  | 2.9    | 4.4  | 5.9    | 6.2  |
| 58°   | 0.2   | 1.5  | 2.9    | 4.4  | 5.9    | 6.2  |
| 59°   | 0.2   | 1.5  | 2.9    | 4.4  | 5.7    | 6.2  |
| 60°   | 0.4   | 1.3  | 2.6    | 4.2  | 5.7    | 6.2  |
| 62.5° | 0.4   | 1.3  | 2.6    | 4.2  | 5.5    | 5.9  |
| 65°   | 0.4   | 1.3  | 2.4    | 4.0  | 5.5    | 5.9  |





TEST NUMBER: P1336910

CATALOG NUMBER: P3A05R209730DE010 E3A451WMH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.4   | 1.1 | 2.2    | 3.7  | 5.3    | 5.7  |
| 70°   | 0.4   | 1.3 | 2.2    | 3.5  | 5.1    | 5.5  |
| 72.5° | 0.7   | 1.1 | 2.0    | 3.3  | 4.8    | 5.3  |
| 75°   | 0.7   | 1.1 | 2.0    | 3.1  | 4.6    | 4.8  |
| 77.5° | 0.9   | 1.1 | 1.8    | 2.6  | 4.2    | 4.4  |
| 80°   | 0.9   | 1.1 | 1.5    | 2.2  | 3.5    | 3.7  |
| 82.5° | 0.9   | 1.1 | 1.1    | 1.8  | 2.6    | 2.9  |
| 85°   | 0.7   | 0.9 | 0.9    | 1.1  | 1.8    | 2.0  |
| 87.5° | 0.7   | 0.9 | 0.7    | 0.4  | 0.9    | 0.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)