

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: P1336876

Luminaire Tested: P3A05R209050DE010 E3A451MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336876  
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: P3A05R209050DE010 E3A451MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3A451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

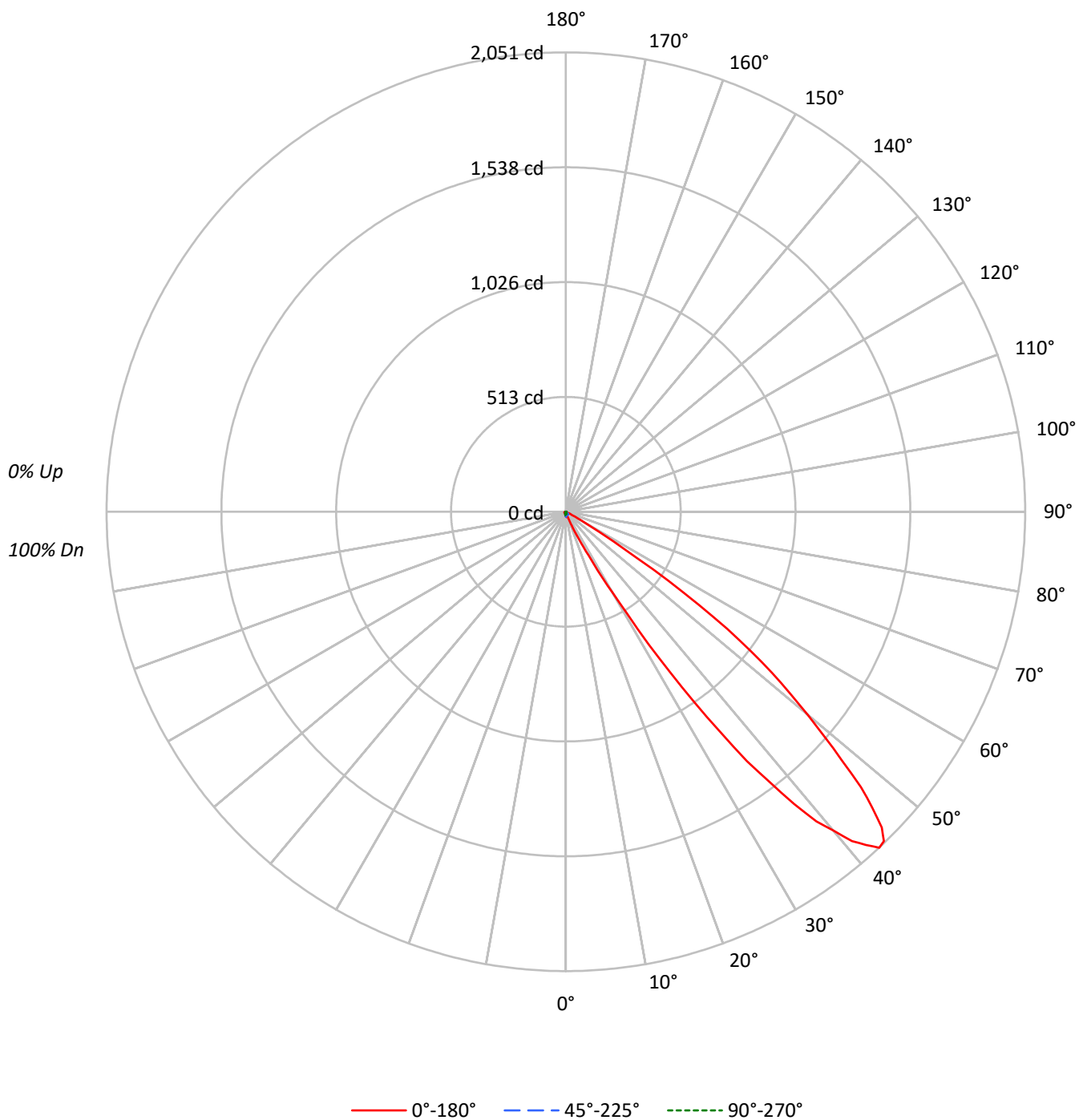
Lumens per Lamp: N/A  
Luminaire Lumens: 285.0 lumens  
Efficiency: N/A  
Efficacy: 39.6 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.14  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1336876

CATALOG NUMBER: P3A05R209050DE010 E3A451MW

### 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  |     |    | 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°  | 4342   | 4342 | 4342 | 4342 | 4342 |
| 5°  | 5063   | 4711 | 4072 | 3544 | 3412 |
| 10° | 5010   | 4297 | 3229 | 2739 | 2694 |
| 15° | 4381   | 3292 | 2361 | 2179 | 2316 |
| 20° | 6511   | 2754 | 1750 | 1867 | 2054 |
| 25° | 27994  | 2855 | 1355 | 1694 | 2008 |
| 30° | 105864 | 3469 | 1165 | 1621 | 1975 |
| 35° | 320910 | 4149 | 1071 | 1660 | 2088 |
| 40° | 532140 | 4151 | 916  | 1775 | 2233 |
| 45° | 618545 | 2822 | 837  | 1830 | 2419 |
| 50° | 480155 | 1569 | 819  | 1910 | 2729 |
| 55° | 277897 | 1032 | 803  | 2141 | 2982 |
| 60° | 46970  | 219  | 702  | 2237 | 3289 |
| 65° | 3632   | 0    | 830  | 2491 | 3736 |
| 70° | 513    | 0    | 1026 | 2757 | 4296 |
| 75° | 424    | 254  | 1101 | 3135 | 4999 |
| 80° | 379    | 379  | 1642 | 3410 | 5809 |
| 85° | 755    | 755  | 2768 | 3271 | 6038 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 618545 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.7    | 0.6       |
| 10°-20°   | 3.6    | 1.3       |
| 20°-30°   | 11.4   | 4.0       |
| 30°-40°   | 72.7   | 25.5      |
| 40°-50°   | 133.0  | 46.7      |
| 50°-60°   | 54.7   | 19.2      |
| 60°-70°   | 4.6    | 1.6       |
| 70°-80°   | 2.3    | 0.8       |
| 80°-90°   | 1.1    | 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°    | 16.7   | 5.8       |
| 0°-40°    | 89.3   | 31.3      |
| 0°-60°    | 277.0  | 97.2      |
| 0°-90°    | 285.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 285.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 20   | 20  | 20  | 20   | 20   |      |
| 5°  | 23   | 21  | 18  | 16   | 16   | 2    |
| 15° | 19   | 14  | 10  | 10   | 10   | 6    |
| 25° | 116  | 12  | 6   | 7    | 8    | 76   |
| 35° | 1199 | 16  | 4   | 6    | 8    | 759  |
| 45° | 1995 | 9   | 3   | 6    | 8    | 1432 |
| 55° | 727  | 3   | 2   | 6    | 8    | 635  |
| 65° | 7    | 0   | 2   | 5    | 7    | 23   |
| 75° | 0    | 0   | 1   | 4    | 6    | 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°    | 19.8   | 19.8   | 19.8   | 19.8   | 19.8   | 19.8   | 19.8   | 19.8  | 19.8  | 19.8  | 19.8 |
| 2.5°  | 21.7   | 21.7   | 21.7   | 21.4   | 21.4   | 21.7   | 21.4   | 21.4  | 21.4  | 21.4  | 21.2 |
| 5°    | 23.0   | 23.0   | 23.0   | 23.0   | 23.0   | 23.0   | 23.0   | 22.8  | 22.8  | 22.5  | 21.4 |
| 7.5°  | 23.6   | 23.6   | 23.6   | 23.6   | 23.3   | 23.3   | 23.3   | 23.3  | 23.0  | 22.8  | 20.9 |
| 10°   | 22.5   | 22.5   | 22.5   | 22.2   | 22.2   | 22.2   | 22.0   | 22.0  | 21.7  | 21.4  | 19.3 |
| 12.5° | 20.4   | 20.4   | 20.4   | 20.4   | 20.1   | 20.1   | 19.8   | 19.8  | 19.6  | 19.3  | 16.9 |
| 15°   | 19.3   | 19.3   | 19.3   | 19.0   | 19.0   | 18.7   | 18.5   | 18.2  | 17.9  | 17.4  | 14.5 |
| 17.5° | 20.9   | 20.9   | 20.6   | 20.6   | 20.1   | 19.6   | 19.3   | 18.5  | 17.9  | 17.1  | 12.9 |
| 20°   | 27.9   | 28.1   | 27.1   | 26.2   | 25.7   | 24.1   | 23.3   | 22.0  | 20.9  | 19.6  | 11.8 |
| 22.5° | 56.2   | 55.2   | 53.3   | 50.4   | 46.9   | 43.9   | 38.6   | 34.3  | 31.3  | 27.3  | 11.5 |
| 25°   | 115.7  | 114.6  | 109.5  | 105.3  | 94.5   | 86.2   | 74.7   | 65.4  | 55.7  | 46.3  | 11.8 |
| 27.5° | 219.9  | 212.7  | 211.3  | 191.8  | 176.8  | 155.3  | 133.1  | 114.4 | 97.2  | 78.2  | 12.6 |
| 30°   | 418.1  | 409.8  | 380.6  | 351.1  | 310.7  | 264.9  | 221.2  | 180.5 | 146.5 | 115.7 | 13.7 |
| 31°   | 530.6  | 538.6  | 504.3  | 445.1  | 385.4  | 326.8  | 267.0  | 215.3 | 171.4 | 133.1 | 14.2 |
| 32°   | 697.4  | 662.4  | 626.2  | 565.4  | 478.6  | 403.6  | 328.6  | 254.2 | 196.3 | 151.9 | 14.7 |
| 33°   | 855.2  | 834.6  | 779.4  | 703.6  | 599.4  | 494.2  | 396.9  | 300.0 | 226.9 | 174.6 | 15.0 |
| 34°   | 1023.4 | 1000.6 | 955.9  | 847.2  | 732.8  | 594.9  | 465.2  | 352.7 | 263.3 | 196.9 | 15.3 |
| 35°   | 1198.8 | 1189.2 | 1102.9 | 1008.7 | 868.0  | 701.7  | 547.5  | 410.6 | 298.9 | 217.2 | 15.5 |
| 36°   | 1375.3 | 1344.3 | 1276.8 | 1139.1 | 992.3  | 800.6  | 633.7  | 464.4 | 335.1 | 241.3 | 15.5 |
| 37°   | 1508.2 | 1501.2 | 1411.7 | 1277.6 | 1105.1 | 906.1  | 708.2  | 524.1 | 371.5 | 261.9 | 15.5 |
| 38°   | 1654.7 | 1627.1 | 1536.3 | 1399.7 | 1211.1 | 1002.8 | 786.1  | 576.1 | 406.0 | 280.7 | 15.3 |
| 39°   | 1778.1 | 1737.2 | 1645.6 | 1510.6 | 1303.8 | 1076.2 | 848.0  | 626.5 | 436.6 | 296.2 | 15.0 |
| 40°   | 1859.0 | 1830.6 | 1735.0 | 1583.2 | 1387.9 | 1145.5 | 910.6  | 668.0 | 459.3 | 308.0 | 14.5 |
| 41°   | 1948.2 | 1901.1 | 1806.5 | 1653.9 | 1449.0 | 1206.6 | 950.0  | 695.3 | 477.0 | 315.8 | 13.9 |
| 42°   | 2001.5 | 1962.9 | 1850.7 | 1701.3 | 1492.6 | 1241.4 | 982.1  | 716.2 | 487.7 | 319.8 | 12.9 |
| 43°   | 2051.3 | 1998.8 | 1889.6 | 1728.9 | 1521.6 | 1266.0 | 996.9  | 725.8 | 490.1 | 319.8 | 11.5 |
| 44°   | 2044.6 | 1994.8 | 1881.5 | 1732.6 | 1528.0 | 1273.3 | 1003.0 | 726.1 | 486.4 | 315.8 | 10.2 |
| 45°   | 1994.6 | 1945.0 | 1843.0 | 1699.9 | 1505.0 | 1259.1 | 990.7  | 715.4 | 475.9 | 308.8 | 9.1  |
| 46°   | 1902.7 | 1853.4 | 1775.2 | 1645.3 | 1462.1 | 1226.9 | 962.1  | 692.1 | 458.5 | 297.6 | 8.0  |
| 47°   | 1802.8 | 1754.8 | 1674.8 | 1557.2 | 1389.0 | 1169.6 | 920.5  | 659.4 | 434.2 | 281.2 | 7.2  |
| 48°   | 1657.9 | 1627.9 | 1547.5 | 1447.1 | 1287.5 | 1079.9 | 847.7  | 606.1 | 401.5 | 260.1 | 6.2  |
| 49°   | 1529.9 | 1498.3 | 1427.8 | 1319.9 | 1155.2 | 975.4  | 760.6  | 541.3 | 358.9 | 236.5 | 5.4  |
| 50°   | 1407.5 | 1379.9 | 1314.8 | 1192.9 | 1035.7 | 849.3  | 643.1  | 459.6 | 305.3 | 207.3 | 4.6  |
| 51°   | 1287.7 | 1267.1 | 1200.7 | 1088.7 | 929.1  | 752.3  | 557.1  | 382.7 | 252.3 | 171.9 | 4.3  |
| 52°   | 1167.5 | 1165.1 | 1093.0 | 979.7  | 825.5  | 655.7  | 473.5  | 323.0 | 214.0 | 144.4 | 4.0  |
| 53°   | 1038.1 | 1022.6 | 959.6  | 857.9  | 709.8  | 555.0  | 401.5  | 272.4 | 184.3 | 122.9 | 3.5  |
| 54°   | 890.8  | 873.4  | 805.9  | 714.0  | 579.9  | 454.5  | 323.5  | 220.2 | 153.5 | 103.9 | 3.2  |
| 55°   | 726.9  | 697.2  | 648.2  | 553.9  | 452.9  | 346.8  | 249.9  | 174.4 | 122.7 | 86.5  | 2.7  |
| 56°   | 551.5  | 521.7  | 494.2  | 424.8  | 332.4  | 258.7  | 186.1  | 133.6 | 95.9  | 68.3  | 2.4  |
| 57°   | 383.5  | 381.9  | 336.7  | 283.4  | 222.3  | 176.2  | 127.5  | 94.3  | 67.8  | 53.0  | 1.9  |
| 58°   | 248.8  | 240.5  | 211.6  | 180.8  | 145.4  | 110.1  | 82.0   | 64.0  | 46.1  | 36.2  | 1.6  |
| 59°   | 174.4  | 157.8  | 142.2  | 120.5  | 91.6   | 69.4   | 52.8   | 41.0  | 31.9  | 25.2  | 1.1  |
| 60°   | 107.1  | 103.7  | 93.2   | 73.4   | 59.5   | 49.0   | 39.4   | 30.3  | 23.3  | 17.9  | 0.5  |
| 62.5° | 30.5   | 31.1   | 28.1   | 24.9   | 21.4   | 18.5   | 16.6   | 14.2  | 11.8  | 9.4   | 0.0  |
| 65°   | 7.0    | 6.7    | 7.2    | 6.7    | 6.2    | 6.2    | 5.4    | 4.8   | 4.3   | 4.0   | 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° | 2.1 | 2.1  | 1.9 | 1.9  | 1.9 | 1.6   | 1.6 | 1.3   | 1.3 | 1.1   | 0.0 |
| 70°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.5   | 0.5 | 0.5   | 0.3 | 0.3   | 0.0 |
| 72.5° | 0.8 | 0.8  | 0.8 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.3 | 0.3   | 0.3 |
| 75°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.3   | 0.3 | 0.3   | 0.3 |
| 77.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.3   | 0.5 | 0.3   | 0.3 | 0.3   | 0.3 |
| 80°   | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 |
| 82.5° | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 |
| 85°   | 0.3 | 0.3  | 0.3 | 0.3  | 0.0 | 0.0   | 0.3 | 0.3   | 0.3 | 0.0   | 0.3 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 |
| 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°    | 19.8  | 19.8 | 19.8   | 19.8 | 19.8   | 19.8 |
| 2.5°  | 20.6  | 19.6 | 18.7   | 17.9 | 17.7   | 17.7 |
| 5°    | 20.1  | 18.5 | 16.9   | 16.1 | 15.5   | 15.5 |
| 7.5°  | 18.5  | 16.6 | 15.0   | 14.2 | 13.9   | 13.9 |
| 10°   | 16.6  | 14.5 | 12.9   | 12.3 | 12.3   | 12.1 |
| 12.5° | 14.5  | 12.3 | 11.2   | 11.0 | 11.0   | 11.0 |
| 15°   | 12.1  | 10.4 | 9.6    | 9.6  | 9.9    | 10.2 |
| 17.5° | 10.2  | 8.6  | 8.3    | 8.8  | 9.4    | 9.4  |
| 20°   | 8.6   | 7.5  | 7.5    | 8.0  | 8.6    | 8.8  |
| 22.5° | 7.2   | 6.4  | 6.7    | 7.5  | 8.3    | 8.6  |
| 25°   | 6.4   | 5.6  | 6.2    | 7.0  | 7.8    | 8.3  |
| 27.5° | 5.4   | 5.1  | 5.6    | 6.7  | 7.8    | 8.0  |
| 30°   | 4.6   | 4.6  | 5.4    | 6.4  | 7.5    | 7.8  |
| 31°   | 4.3   | 4.3  | 5.4    | 6.4  | 7.5    | 7.8  |
| 32°   | 4.0   | 4.3  | 5.1    | 6.4  | 7.5    | 7.8  |
| 33°   | 3.7   | 4.0  | 5.1    | 6.2  | 7.5    | 7.8  |
| 34°   | 3.5   | 4.0  | 5.1    | 6.2  | 7.5    | 7.8  |
| 35°   | 3.2   | 4.0  | 5.1    | 6.2  | 7.5    | 7.8  |
| 36°   | 2.9   | 3.7  | 4.8    | 6.2  | 7.5    | 7.8  |
| 37°   | 2.7   | 3.7  | 4.8    | 6.2  | 7.5    | 7.8  |
| 38°   | 2.4   | 3.5  | 4.8    | 6.2  | 7.5    | 7.8  |
| 39°   | 2.4   | 3.5  | 4.6    | 6.2  | 7.2    | 7.8  |
| 40°   | 2.1   | 3.2  | 4.6    | 6.2  | 7.2    | 7.8  |
| 41°   | 1.9   | 3.2  | 4.6    | 5.9  | 7.2    | 7.8  |
| 42°   | 1.6   | 2.9  | 4.3    | 5.9  | 7.2    | 7.8  |
| 43°   | 1.3   | 2.9  | 4.3    | 5.9  | 7.2    | 7.8  |
| 44°   | 1.3   | 2.7  | 4.3    | 5.9  | 7.2    | 7.8  |
| 45°   | 1.1   | 2.7  | 4.3    | 5.9  | 7.2    | 7.8  |
| 46°   | 0.8   | 2.7  | 4.3    | 5.9  | 7.2    | 7.8  |
| 47°   | 0.8   | 2.4  | 4.0    | 5.9  | 7.2    | 7.8  |
| 48°   | 0.5   | 2.4  | 4.0    | 5.9  | 7.2    | 7.8  |
| 49°   | 0.5   | 2.4  | 4.0    | 5.9  | 7.2    | 8.0  |
| 50°   | 0.5   | 2.4  | 4.0    | 5.6  | 7.2    | 8.0  |
| 51°   | 0.3   | 2.4  | 4.0    | 5.6  | 7.2    | 8.0  |
| 52°   | 0.3   | 2.4  | 3.7    | 5.6  | 7.5    | 8.0  |
| 53°   | 0.3   | 2.1  | 3.7    | 5.6  | 7.5    | 8.0  |
| 54°   | 0.3   | 2.1  | 3.7    | 5.6  | 7.5    | 7.8  |
| 55°   | 0.3   | 2.1  | 3.7    | 5.6  | 7.2    | 7.8  |
| 56°   | 0.3   | 1.9  | 3.7    | 5.6  | 7.2    | 7.8  |
| 57°   | 0.3   | 1.9  | 3.5    | 5.4  | 7.2    | 7.5  |
| 58°   | 0.3   | 1.9  | 3.5    | 5.4  | 7.2    | 7.5  |
| 59°   | 0.3   | 1.9  | 3.5    | 5.4  | 7.0    | 7.5  |
| 60°   | 0.5   | 1.6  | 3.2    | 5.1  | 7.0    | 7.5  |
| 62.5° | 0.5   | 1.6  | 3.2    | 5.1  | 6.7    | 7.2  |
| 65°   | 0.5   | 1.6  | 2.9    | 4.8  | 6.7    | 7.2  |



TEST NUMBER: P1336876

CATALOG NUMBER: P3A05R209050DE010 E3A451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.5   | 1.3 | 2.7    | 4.6  | 6.4    | 7.0  |
| 70°   | 0.5   | 1.6 | 2.7    | 4.3  | 6.2    | 6.7  |
| 72.5° | 0.8   | 1.3 | 2.4    | 4.0  | 5.9    | 6.4  |
| 75°   | 0.8   | 1.3 | 2.4    | 3.7  | 5.6    | 5.9  |
| 77.5° | 1.1   | 1.3 | 2.1    | 3.2  | 5.1    | 5.4  |
| 80°   | 1.1   | 1.3 | 1.9    | 2.7  | 4.3    | 4.6  |
| 82.5° | 1.1   | 1.3 | 1.3    | 2.1  | 3.2    | 3.5  |
| 85°   | 0.8   | 1.1 | 1.1    | 1.3  | 2.1    | 2.4  |
| 87.5° | 0.8   | 1.1 | 0.8    | 0.5  | 1.1    | 1.1  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)