

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: P1343532

Luminaire Tested: P3A13R159740DE010 E3A451MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1343532  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-73)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R159740DE010 E3A451MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3A451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

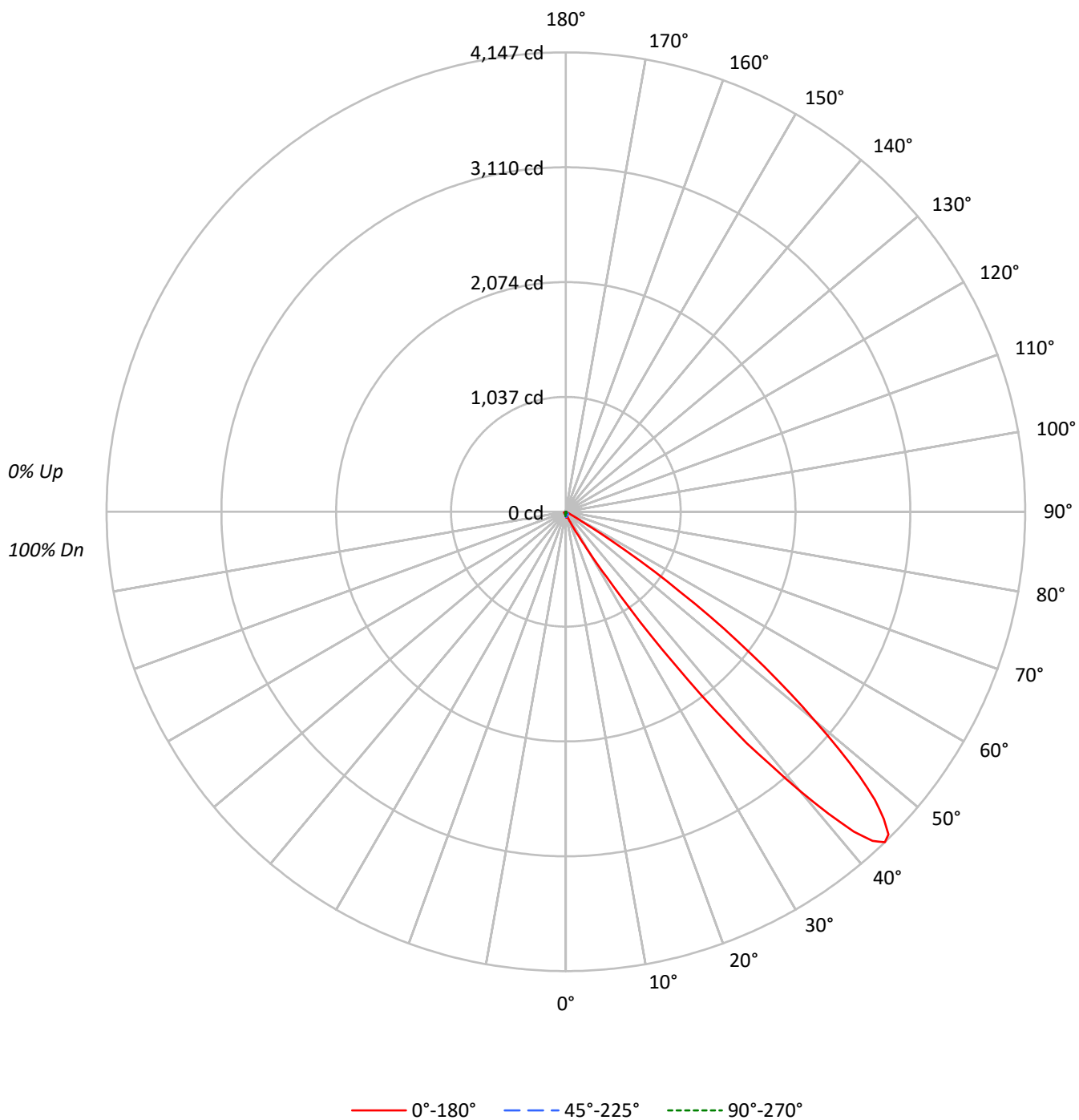
Lumens per Lamp: N/A  
Luminaire Lumens: 463.0 lumens  
Efficiency: N/A  
Efficacy: 31.7 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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: P1343532

CATALOG NUMBER: P3A13R159740DE010 E3A451MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1343532

CATALOG NUMBER: P3A13R159740DE010 E3A451MW

**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  | 107 | 104 | 100 | 97  | 100 | 97  | 94  |  | 96  | 93  | 91  |  | 92  | 90  | 89  | 87  |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  |  | 84  | 80  | 77  |  | 81  | 78  | 75  | 73  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  |  | 74  | 68  | 64  |  | 71  | 67  | 63  | 61  |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  |  | 64  | 58  | 53  |  | 62  | 57  | 53  | 50  |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  |  | 56  | 50  | 44  |  | 55  | 49  | 44  | 42  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  |  | 49  | 42  | 37  |  | 48  | 42  | 37  | 35  |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  |  | 44  | 36  | 31  |  | 42  | 36  | 31  | 29  |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  |  | 39  | 31  | 26  |  | 37  | 31  | 26  | 24  |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  |  | 34  | 27  | 22  |  | 33  | 27  | 22  | 20  |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  |  | 31  | 24  | 19  |  | 30  | 23  | 19  | 17  |

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

|     | 0°      | 45°  | 90°  | 135° | 180°  |
|-----|---------|------|------|------|-------|
| 0°  | 9012    | 9012 | 9012 | 9012 | 9012  |
| 5°  | 11182   | 9949 | 8122 | 7110 | 7022  |
| 10° | 11000   | 8528 | 6279 | 5544 | 5656  |
| 15° | 9126    | 6084 | 4518 | 4608 | 4926  |
| 20° | 15845   | 4854 | 3454 | 3990 | 4527  |
| 25° | 35300   | 5807 | 2782 | 3678 | 4234  |
| 30° | 105561  | 7140 | 2456 | 3621 | 4431  |
| 35° | 406330  | 8031 | 2222 | 3694 | 4685  |
| 40° | 943138  | 7013 | 2118 | 3836 | 5009  |
| 45° | 1277435 | 5303 | 1861 | 4155 | 5427  |
| 50° | 1001622 | 3138 | 1876 | 4401 | 5970  |
| 55° | 480748  | 1415 | 1759 | 4779 | 6537  |
| 60° | 43944   | 219  | 1623 | 5043 | 7280  |
| 65° | 4774    | 0    | 1453 | 5292 | 7887  |
| 70° | 1154    | 0    | 1795 | 5642 | 8591  |
| 75° | 1186    | 424  | 2372 | 6270 | 9743  |
| 80° | 1137    | 1137 | 2904 | 6440 | 10481 |
| 85° | 1258    | 1258 | 4529 | 5787 | 11573 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1277435 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.5    | 0.8       |
| 10°-20°   | 7.3    | 1.6       |
| 20°-30°   | 17.5   | 3.8       |
| 30°-40°   | 95.8   | 20.7      |
| 40°-50°   | 231.9  | 50.1      |
| 50°-60°   | 92.5   | 20.0      |
| 60°-70°   | 8.0    | 1.7       |
| 70°-80°   | 4.5    | 1.0       |
| 80°-90°   | 2.0    | 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°    | 28.3   | 6.1       |
| 0°-40°    | 124.1  | 26.8      |
| 0°-60°    | 448.5  | 96.9      |
| 0°-90°    | 463.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 463.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 41   | 41  | 41  | 41   | 41   |      |
| 5°  | 51   | 45  | 37  | 32   | 32   | 5    |
| 15° | 40   | 27  | 20  | 20   | 22   | 14   |
| 25° | 146  | 24  | 12  | 15   | 18   | 88   |
| 35° | 1518 | 30  | 8   | 14   | 18   | 1073 |
| 45° | 4119 | 17  | 6   | 13   | 18   | 2906 |
| 55° | 1258 | 4   | 5   | 12   | 17   | 1172 |
| 65° | 9    | 0   | 3   | 10   | 15   | 24   |
| 75° | 1    | 0   | 3   | 7    | 12   | 1    |
| 85° | 0    | 0   | 2   | 2    | 5    | 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°    | 41.1   | 41.1   | 41.1   | 41.1   | 41.1   | 41.1   | 41.1   | 41.1  | 41.1  | 41.1  | 41.1 |
| 2.5°  | 46.2   | 46.2   | 46.6   | 46.2   | 46.2   | 46.2   | 46.2   | 45.7  | 45.7  | 45.7  | 44.3 |
| 5°    | 50.8   | 50.8   | 50.8   | 50.8   | 50.3   | 50.3   | 50.3   | 49.9  | 49.9  | 49.4  | 45.2 |
| 7.5°  | 52.6   | 52.6   | 52.2   | 52.2   | 51.7   | 51.7   | 51.2   | 50.8  | 50.3  | 49.9  | 43.4 |
| 10°   | 49.4   | 49.4   | 49.4   | 48.9   | 48.9   | 48.5   | 48.0   | 47.6  | 47.1  | 46.2  | 38.3 |
| 12.5° | 43.9   | 43.9   | 44.3   | 43.9   | 43.4   | 42.9   | 42.0   | 41.5  | 41.1  | 40.2  | 31.9 |
| 15°   | 40.2   | 40.2   | 40.2   | 39.7   | 39.2   | 38.3   | 37.9   | 36.9  | 36.5  | 35.1  | 26.8 |
| 17.5° | 51.2   | 51.2   | 50.8   | 49.9   | 48.0   | 46.6   | 44.3   | 42.5  | 40.2  | 37.4  | 23.1 |
| 20°   | 67.9   | 67.9   | 66.9   | 66.0   | 63.7   | 61.4   | 57.7   | 54.5  | 50.8  | 47.6  | 20.8 |
| 22.5° | 98.3   | 99.7   | 96.9   | 93.7   | 90.5   | 84.9   | 79.9   | 74.8  | 68.3  | 62.8  | 21.2 |
| 25°   | 145.9  | 147.3  | 145.9  | 138.5  | 132.5  | 125.1  | 115.4  | 105.3 | 94.2  | 84.0  | 24.0 |
| 27.5° | 236.4  | 237.3  | 235.0  | 217.0  | 207.3  | 187.9  | 170.8  | 154.2 | 135.7 | 117.3 | 26.3 |
| 30°   | 416.9  | 417.3  | 402.6  | 366.6  | 334.7  | 292.2  | 256.2  | 221.6 | 192.5 | 163.0 | 28.2 |
| 31°   | 548.9  | 536.0  | 504.6  | 461.2  | 410.4  | 353.2  | 303.8  | 259.0 | 215.6 | 183.7 | 28.6 |
| 32°   | 697.1  | 695.3  | 643.1  | 567.8  | 500.0  | 428.4  | 354.1  | 296.8 | 247.0 | 203.6 | 29.1 |
| 33°   | 893.3  | 894.2  | 812.1  | 723.4  | 612.2  | 516.1  | 418.7  | 340.2 | 280.2 | 227.1 | 30.0 |
| 34°   | 1199.8 | 1127.8 | 1031.3 | 911.3  | 759.9  | 615.4  | 488.9  | 390.6 | 310.2 | 249.8 | 30.0 |
| 35°   | 1517.9 | 1445.4 | 1339.3 | 1157.4 | 949.6  | 747.4  | 572.5  | 444.6 | 346.2 | 274.2 | 30.0 |
| 36°   | 1874.3 | 1812.9 | 1652.3 | 1420.0 | 1155.1 | 872.1  | 661.1  | 506.9 | 381.8 | 296.4 | 29.5 |
| 37°   | 2259.3 | 2169.3 | 1991.1 | 1737.7 | 1383.1 | 1047.5 | 769.1  | 568.8 | 417.3 | 320.4 | 28.6 |
| 38°   | 2650.4 | 2569.1 | 2344.3 | 2037.3 | 1655.5 | 1232.6 | 877.1  | 628.3 | 450.1 | 338.4 | 27.2 |
| 39°   | 2946.7 | 2902.4 | 2679.4 | 2336.4 | 1872.9 | 1408.0 | 988.4  | 692.0 | 484.7 | 356.4 | 25.9 |
| 40°   | 3294.8 | 3223.3 | 3011.8 | 2587.6 | 2130.1 | 1586.7 | 1097.4 | 748.3 | 513.4 | 370.7 | 24.5 |
| 41°   | 3612.4 | 3522.0 | 3255.1 | 2845.2 | 2336.0 | 1747.4 | 1200.8 | 806.5 | 536.4 | 379.0 | 23.5 |
| 42°   | 3884.8 | 3779.6 | 3500.7 | 3065.8 | 2508.2 | 1875.7 | 1283.4 | 848.1 | 558.1 | 385.9 | 22.2 |
| 43°   | 4061.2 | 3970.2 | 3696.0 | 3231.6 | 2655.4 | 1993.4 | 1360.5 | 891.5 | 571.5 | 390.6 | 20.3 |
| 44°   | 4147.0 | 4055.2 | 3789.7 | 3335.5 | 2745.9 | 2064.1 | 1410.4 | 921.5 | 586.3 | 396.6 | 18.9 |
| 45°   | 4119.3 | 4026.1 | 3769.4 | 3337.3 | 2774.1 | 2089.4 | 1431.6 | 934.9 | 594.1 | 402.1 | 17.1 |
| 46°   | 3992.4 | 3926.8 | 3668.3 | 3250.5 | 2720.5 | 2062.2 | 1419.6 | 924.7 | 591.4 | 402.1 | 15.2 |
| 47°   | 3814.2 | 3739.4 | 3493.3 | 3101.4 | 2590.8 | 1992.0 | 1371.1 | 893.8 | 574.3 | 392.9 | 13.4 |
| 48°   | 3571.4 | 3507.7 | 3249.1 | 2864.6 | 2391.8 | 1839.2 | 1261.7 | 843.4 | 547.5 | 374.9 | 11.5 |
| 49°   | 3266.7 | 3178.0 | 2937.5 | 2561.7 | 2132.4 | 1622.3 | 1118.1 | 758.5 | 504.6 | 349.5 | 10.2 |
| 50°   | 2936.1 | 2826.7 | 2641.1 | 2258.4 | 1864.2 | 1391.0 | 929.3  | 641.2 | 444.1 | 316.2 | 9.2  |
| 51°   | 2612.5 | 2501.2 | 2324.4 | 1999.0 | 1577.9 | 1154.1 | 749.7  | 512.0 | 365.6 | 270.5 | 7.8  |
| 52°   | 2276.9 | 2183.6 | 1985.6 | 1729.8 | 1350.8 | 935.3  | 624.6  | 433.0 | 303.8 | 227.1 | 6.5  |
| 53°   | 1942.6 | 1878.9 | 1690.6 | 1431.6 | 1085.3 | 764.0  | 510.1  | 370.7 | 265.0 | 194.4 | 5.1  |
| 54°   | 1607.9 | 1538.2 | 1395.1 | 1164.3 | 874.8  | 602.9  | 432.6  | 310.2 | 229.9 | 169.4 | 4.6  |
| 55°   | 1257.5 | 1221.5 | 1089.5 | 887.8  | 662.9  | 481.0  | 350.9  | 266.8 | 192.5 | 141.7 | 3.7  |
| 56°   | 968.6  | 927.9  | 807.4  | 644.0  | 492.6  | 376.7  | 283.9  | 217.9 | 163.0 | 118.6 | 2.8  |
| 57°   | 634.3  | 592.8  | 512.9  | 449.7  | 358.7  | 274.7  | 217.0  | 171.7 | 132.5 | 98.3  | 2.3  |
| 58°   | 374.9  | 337.0  | 324.5  | 277.0  | 239.1  | 186.5  | 160.2  | 127.9 | 97.9  | 77.6  | 1.4  |
| 59°   | 172.2  | 175.0  | 155.6  | 145.9  | 132.5  | 118.6  | 97.4   | 85.4  | 66.9  | 55.9  | 0.9  |
| 60°   | 100.2  | 94.6   | 92.3   | 82.6   | 73.4   | 65.1   | 58.6   | 51.7  | 42.0  | 36.0  | 0.5  |
| 62.5° | 34.2   | 32.8   | 33.7   | 30.5   | 28.6   | 27.7   | 25.4   | 21.7  | 18.0  | 14.8  | 0.0  |
| 65°   | 9.2    | 9.2    | 8.8    | 8.3    | 7.8    | 7.4    | 6.9    | 6.0   | 5.5   | 4.6   | 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° | 3.2 | 3.2  | 2.8 | 2.8  | 2.3 | 2.3   | 1.8 | 1.8   | 1.4 | 1.4   | 0.0 |
| 70°   | 1.8 | 1.8  | 1.8 | 1.4  | 1.4 | 1.4   | 0.9 | 0.9   | 0.9 | 0.5   | 0.0 |
| 72.5° | 1.4 | 1.4  | 1.4 | 1.4  | 1.4 | 1.4   | 0.9 | 0.9   | 0.9 | 0.5   | 0.5 |
| 75°   | 1.4 | 1.4  | 1.4 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 0.5 |
| 77.5° | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 |
| 80°   | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.5   | 0.9 |
| 82.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 0.9 |
| 85°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.5 |
| 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°    | 41.1  | 41.1 | 41.1   | 41.1 | 41.1   | 41.1 |
| 2.5°  | 42.5  | 40.6 | 38.3   | 36.9 | 36.5   | 36.0 |
| 5°    | 40.6  | 36.9 | 34.2   | 32.3 | 31.9   | 31.9 |
| 7.5°  | 36.5  | 32.3 | 29.5   | 28.6 | 28.2   | 28.2 |
| 10°   | 31.9  | 28.2 | 25.9   | 24.9 | 25.4   | 25.4 |
| 12.5° | 26.8  | 23.5 | 22.6   | 22.6 | 23.1   | 23.5 |
| 15°   | 21.7  | 19.9 | 19.9   | 20.3 | 21.2   | 21.7 |
| 17.5° | 18.0  | 17.1 | 17.5   | 18.5 | 19.4   | 20.3 |
| 20°   | 14.8  | 14.8 | 15.7   | 17.1 | 18.5   | 19.4 |
| 22.5° | 12.5  | 12.9 | 14.3   | 15.7 | 17.5   | 18.5 |
| 25°   | 10.6  | 11.5 | 12.9   | 15.2 | 17.1   | 17.5 |
| 27.5° | 9.2   | 10.6 | 12.5   | 14.8 | 16.6   | 17.5 |
| 30°   | 7.8   | 9.7  | 12.0   | 14.3 | 16.6   | 17.5 |
| 31°   | 7.4   | 9.2  | 11.5   | 14.3 | 16.6   | 17.5 |
| 32°   | 6.9   | 9.2  | 11.5   | 14.3 | 16.6   | 17.5 |
| 33°   | 6.5   | 8.8  | 11.5   | 13.8 | 16.6   | 17.5 |
| 34°   | 6.0   | 8.8  | 11.5   | 14.3 | 16.6   | 17.5 |
| 35°   | 5.5   | 8.3  | 11.1   | 13.8 | 16.2   | 17.5 |
| 36°   | 5.1   | 8.3  | 11.1   | 13.8 | 16.6   | 17.5 |
| 37°   | 4.6   | 8.3  | 11.1   | 13.8 | 16.2   | 17.5 |
| 38°   | 4.6   | 7.8  | 10.6   | 13.8 | 16.2   | 17.5 |
| 39°   | 4.2   | 7.4  | 10.6   | 13.8 | 16.2   | 17.5 |
| 40°   | 3.7   | 7.4  | 10.2   | 13.4 | 16.2   | 17.5 |
| 41°   | 3.2   | 6.9  | 10.2   | 13.4 | 16.2   | 17.5 |
| 42°   | 2.8   | 6.9  | 10.2   | 13.4 | 16.2   | 17.5 |
| 43°   | 2.3   | 6.5  | 9.7    | 13.4 | 16.2   | 17.5 |
| 44°   | 2.3   | 6.5  | 9.7    | 13.4 | 16.2   | 17.5 |
| 45°   | 1.8   | 6.0  | 9.2    | 13.4 | 16.2   | 17.5 |
| 46°   | 1.8   | 6.0  | 9.2    | 12.9 | 16.2   | 17.5 |
| 47°   | 1.4   | 6.0  | 9.2    | 12.9 | 16.2   | 17.5 |
| 48°   | 1.4   | 5.5  | 9.2    | 12.9 | 16.2   | 17.5 |
| 49°   | 0.9   | 5.5  | 9.2    | 12.9 | 16.2   | 17.5 |
| 50°   | 0.9   | 5.5  | 8.8    | 12.9 | 16.2   | 17.5 |
| 51°   | 0.9   | 5.5  | 8.8    | 12.9 | 16.2   | 17.5 |
| 52°   | 0.9   | 5.1  | 8.8    | 12.9 | 16.2   | 17.5 |
| 53°   | 0.9   | 5.1  | 8.8    | 12.9 | 16.2   | 17.5 |
| 54°   | 0.9   | 5.1  | 8.3    | 12.9 | 16.2   | 17.5 |
| 55°   | 0.9   | 4.6  | 8.3    | 12.5 | 16.2   | 17.1 |
| 56°   | 0.9   | 4.6  | 8.3    | 12.5 | 16.2   | 17.1 |
| 57°   | 0.9   | 4.6  | 7.8    | 12.5 | 16.2   | 17.1 |
| 58°   | 0.9   | 4.2  | 7.8    | 12.0 | 15.7   | 17.1 |
| 59°   | 0.9   | 4.2  | 7.4    | 12.0 | 15.7   | 16.6 |
| 60°   | 0.9   | 3.7  | 7.4    | 11.5 | 15.2   | 16.6 |
| 62.5° | 0.9   | 3.2  | 6.5    | 11.1 | 14.8   | 15.7 |
| 65°   | 0.9   | 2.8  | 6.0    | 10.2 | 14.3   | 15.2 |





TEST NUMBER: P1343532

CATALOG NUMBER: P3A13R159740DE010 E3A451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.9   | 2.8 | 5.5    | 9.7  | 13.4   | 14.8 |
| 70°   | 0.9   | 2.8 | 5.1    | 8.8  | 12.9   | 13.4 |
| 72.5° | 1.4   | 2.8 | 4.6    | 8.3  | 12.0   | 12.5 |
| 75°   | 1.8   | 2.8 | 4.2    | 7.4  | 11.1   | 11.5 |
| 77.5° | 1.8   | 2.8 | 3.7    | 6.5  | 9.7    | 10.2 |
| 80°   | 1.8   | 2.3 | 3.2    | 5.1  | 7.8    | 8.3  |
| 82.5° | 1.8   | 2.3 | 2.3    | 4.2  | 6.0    | 6.5  |
| 85°   | 1.4   | 1.8 | 1.8    | 2.3  | 4.2    | 4.6  |
| 87.5° | 1.4   | 1.8 | 0.9    | 1.4  | 1.8    | 1.8  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)