

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: P1337310

Luminaire Tested: P3A05R259027DE010 E3CA451MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337310  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-75)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R259027DE010 E3CA451MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3CA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

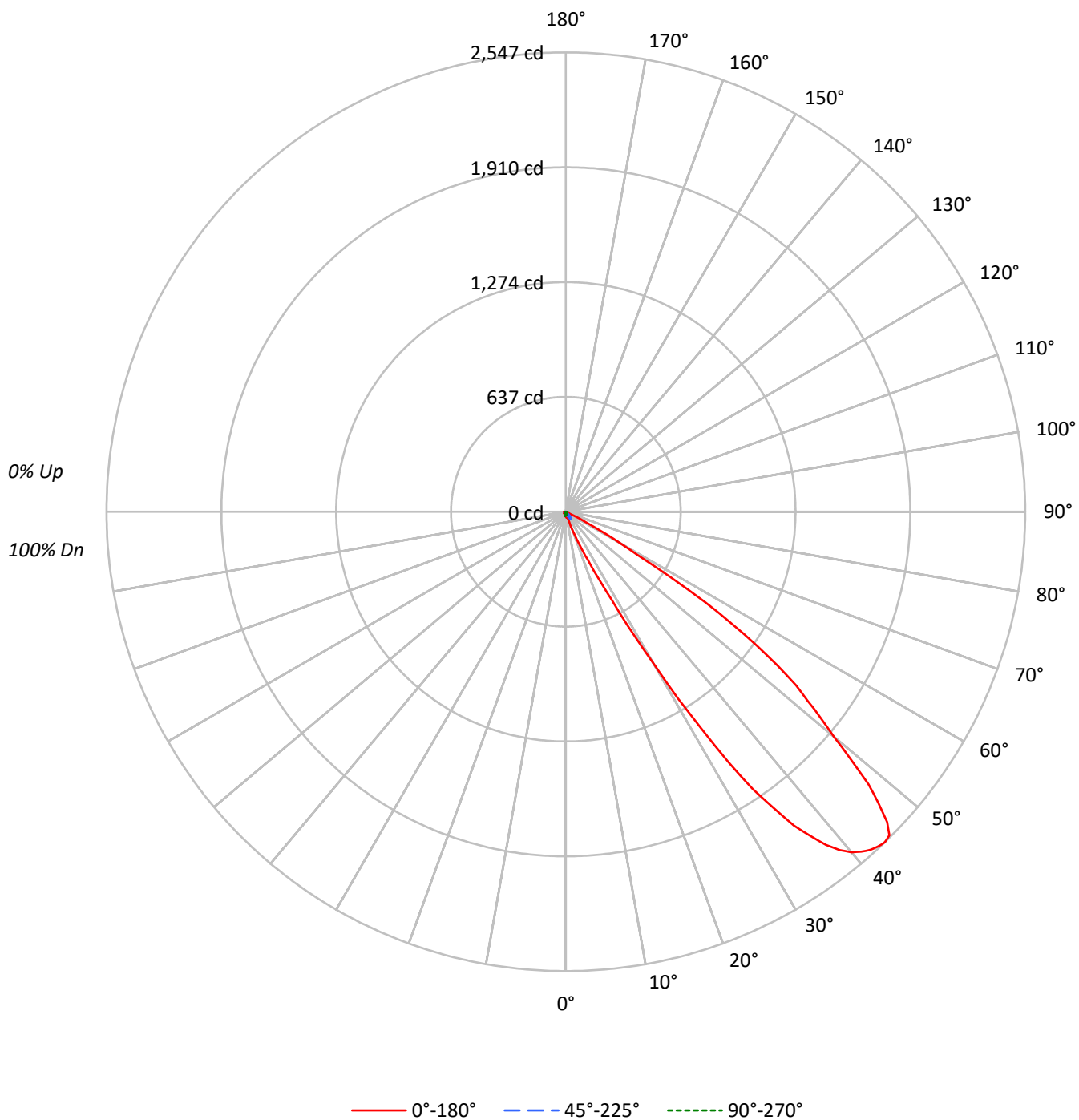
Lumens per Lamp: N/A  
Luminaire Lumens: 531.0 lumens  
Efficiency: N/A  
Efficacy: 73.7 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.61 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1337310

CATALOG NUMBER: P3A05R259027DE010 E3CA451MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1337310

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 97  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 91  | 89  | 87  | 87  |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 78  | 75  | 73  | 73  |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 64  | 72  | 67  | 63  | 61  | 61  |
| 4   | 83  | 71  | 62  | 56  | 81  | 70  | 62  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 53  | 51  | 51  |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 53  | 46  | 59  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 42  | 42  |
| 6   | 68  | 55  | 45  | 39  | 66  | 54  | 45  | 39  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35  | 35  |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 39  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 29  | 29  |
| 8   | 57  | 43  | 34  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 32  | 27  | 25  | 25  |
| 9   | 52  | 38  | 29  | 23  | 51  | 37  | 29  | 23  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 27  | 23  | 21  | 21  |
| 10  | 48  | 34  | 25  | 20  | 47  | 33  | 25  | 20  | 32  | 25  | 20  | 31  | 24  | 19  | 30  | 24  | 19  | 17  | 17  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 5943   | 5943  | 5943 | 5943 | 5943 |
| 5°  | 6780   | 6471  | 5767 | 5151 | 5041 |
| 10° | 6769   | 6146  | 4899 | 4275 | 4275 |
| 15° | 7537   | 5312  | 3814 | 3610 | 3814 |
| 20° | 26602  | 5227  | 2940 | 3057 | 3384 |
| 25° | 76529  | 6678  | 2371 | 2831 | 3291 |
| 30° | 244189 | 10305 | 1899 | 2709 | 3317 |
| 35° | 534849 | 12126 | 1633 | 2623 | 3373 |
| 40° | 705550 | 10963 | 1345 | 2662 | 3607 |
| 45° | 786841 | 7691  | 1302 | 2884 | 3907 |
| 50° | 662324 | 3991  | 1262 | 3036 | 4298 |
| 55° | 495199 | 1606  | 1262 | 3403 | 4817 |
| 60° | 153277 | 395   | 1228 | 3684 | 5307 |
| 65° | 13075  | 0     | 1453 | 3891 | 5811 |
| 70° | 898    | 321   | 1475 | 4488 | 6604 |
| 75° | 763    | 424   | 1949 | 4745 | 7540 |
| 80° | 631    | 631   | 2904 | 5304 | 8840 |
| 85° | 1258   | 1258  | 4780 | 5787 | 9309 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 786841 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.4    | 0.5       |
| 10°-20°   | 6.3    | 1.2       |
| 20°-30°   | 29.4   | 5.5       |
| 30°-40°   | 141.4  | 26.6      |
| 40°-50°   | 221.7  | 41.8      |
| 50°-60°   | 113.7  | 21.4      |
| 60°-70°   | 10.7   | 2.0       |
| 70°-80°   | 3.6    | 0.7       |
| 80°-90°   | 1.8    | 0.3       |
| 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°    | 38.1   | 7.2       |
| 0°-40°    | 179.5  | 33.8      |
| 0°-60°    | 514.9  | 97.0      |
| 0°-90°    | 531.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 531.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 27   | 27  | 27  | 27   | 27   |      |
| 5°  | 31   | 29  | 26  | 23   | 23   | 3    |
| 15° | 33   | 23  | 17  | 16   | 17   | 14   |
| 25° | 316  | 28  | 10  | 12   | 14   | 196  |
| 35° | 1998 | 45  | 6   | 10   | 13   | 1213 |
| 45° | 2537 | 25  | 4   | 9    | 13   | 1857 |
| 55° | 1295 | 4   | 3   | 9    | 13   | 1078 |
| 65° | 25   | 0   | 3   | 8    | 11   | 79   |
| 75° | 1    | 0   | 2   | 6    | 9    | 1    |
| 85° | 0    | 0   | 2   | 2    | 4    | 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°    | 27.1   | 27.1   | 27.1   | 27.1   | 27.1   | 27.1   | 27.1   | 27.1   | 27.1   | 27.1  | 27.1 |
| 2.5°  | 29.4   | 29.4   | 29.4   | 29.4   | 29.4   | 29.4   | 29.0   | 29.0   | 29.4   | 29.0  | 29.0 |
| 5°    | 30.8   | 30.8   | 30.8   | 30.8   | 30.8   | 30.8   | 30.8   | 30.4   | 30.4   | 30.4  | 29.4 |
| 7.5°  | 31.3   | 30.8   | 30.8   | 30.8   | 30.8   | 30.8   | 30.8   | 30.8   | 30.4   | 30.4  | 29.0 |
| 10°   | 30.4   | 30.4   | 30.4   | 30.4   | 29.9   | 29.9   | 29.9   | 29.4   | 29.4   | 29.4  | 27.6 |
| 12.5° | 30.4   | 30.4   | 30.4   | 30.4   | 29.9   | 29.9   | 29.4   | 29.4   | 29.0   | 28.5  | 25.2 |
| 15°   | 33.2   | 33.2   | 33.2   | 32.7   | 32.2   | 31.8   | 31.3   | 30.8   | 30.4   | 29.4  | 23.4 |
| 17.5° | 48.6   | 47.2   | 46.7   | 44.9   | 42.5   | 40.2   | 38.3   | 36.4   | 34.6   | 33.2  | 22.4 |
| 20°   | 114.0  | 113.5  | 111.2  | 105.6  | 99.5   | 92.5   | 85.5   | 77.6   | 66.4   | 58.9  | 22.4 |
| 22.5° | 197.7  | 194.9  | 190.6  | 186.4  | 175.7  | 163.1  | 150.0  | 135.0  | 120.6  | 105.1 | 23.8 |
| 25°   | 316.3  | 322.9  | 308.9  | 297.6  | 279.0  | 256.1  | 231.3  | 210.7  | 184.6  | 160.3 | 27.6 |
| 27.5° | 550.0  | 554.2  | 526.6  | 490.2  | 446.7  | 398.6  | 351.9  | 316.8  | 272.9  | 232.7 | 34.6 |
| 30°   | 964.4  | 968.6  | 922.4  | 844.8  | 755.1  | 676.1  | 569.1  | 475.2  | 388.8  | 321.9 | 40.7 |
| 31°   | 1203.7 | 1171.0 | 1117.2 | 1042.0 | 928.5  | 809.3  | 680.8  | 567.3  | 457.9  | 370.1 | 42.5 |
| 32°   | 1411.6 | 1408.8 | 1346.2 | 1232.2 | 1118.2 | 971.0  | 811.6  | 663.5  | 529.4  | 418.7 | 43.9 |
| 33°   | 1656.9 | 1638.2 | 1549.9 | 1442.5 | 1291.5 | 1143.4 | 937.8  | 768.7  | 602.8  | 472.9 | 44.9 |
| 34°   | 1853.7 | 1803.2 | 1766.7 | 1643.8 | 1484.5 | 1295.7 | 1075.6 | 879.9  | 694.4  | 525.2 | 45.3 |
| 35°   | 1998.0 | 1987.3 | 1916.3 | 1801.8 | 1639.6 | 1446.7 | 1224.2 | 995.3  | 771.0  | 586.0 | 45.3 |
| 36°   | 2150.8 | 2117.7 | 2048.5 | 1944.8 | 1786.8 | 1587.3 | 1337.8 | 1095.3 | 860.2  | 640.6 | 44.9 |
| 37°   | 2246.6 | 2227.0 | 2158.3 | 2051.3 | 1896.6 | 1706.0 | 1464.9 | 1200.9 | 931.3  | 695.3 | 43.9 |
| 38°   | 2345.2 | 2305.5 | 2237.7 | 2135.4 | 1983.6 | 1804.6 | 1556.9 | 1282.2 | 996.7  | 743.4 | 42.5 |
| 39°   | 2413.4 | 2372.3 | 2303.2 | 2201.3 | 2052.7 | 1875.1 | 1629.8 | 1351.3 | 1053.7 | 779.4 | 40.7 |
| 40°   | 2464.8 | 2425.1 | 2355.0 | 2250.4 | 2103.6 | 1930.7 | 1690.6 | 1412.5 | 1101.3 | 810.7 | 38.3 |
| 41°   | 2496.6 | 2459.7 | 2390.1 | 2285.9 | 2138.7 | 1962.5 | 1730.3 | 1452.3 | 1133.6 | 831.7 | 36.0 |
| 42°   | 2523.2 | 2485.4 | 2414.4 | 2307.8 | 2160.2 | 1989.6 | 1754.6 | 1477.5 | 1155.6 | 842.5 | 34.1 |
| 43°   | 2538.2 | 2500.3 | 2431.2 | 2322.3 | 2173.3 | 2002.2 | 1767.7 | 1489.2 | 1163.0 | 841.1 | 30.8 |
| 44°   | 2546.6 | 2507.4 | 2437.7 | 2328.9 | 2178.9 | 2005.5 | 1768.6 | 1486.8 | 1157.9 | 829.9 | 28.0 |
| 45°   | 2537.3 | 2498.5 | 2431.2 | 2322.3 | 2169.1 | 1995.2 | 1759.3 | 1474.2 | 1138.3 | 807.9 | 24.8 |
| 46°   | 2476.5 | 2446.6 | 2384.9 | 2284.9 | 2138.2 | 1969.1 | 1735.4 | 1449.9 | 1107.9 | 780.8 | 21.0 |
| 47°   | 2369.5 | 2345.7 | 2285.9 | 2211.6 | 2078.9 | 1920.9 | 1691.5 | 1403.7 | 1065.4 | 740.2 | 16.8 |
| 48°   | 2257.8 | 2222.8 | 2167.2 | 2091.0 | 1978.9 | 1834.5 | 1619.1 | 1335.9 | 1000.9 | 686.9 | 15.0 |
| 49°   | 2092.9 | 2072.3 | 2023.3 | 1938.2 | 1845.2 | 1718.1 | 1516.8 | 1249.0 | 921.9  | 628.9 | 13.1 |
| 50°   | 1941.5 | 1927.5 | 1858.8 | 1796.2 | 1697.6 | 1578.9 | 1378.0 | 1134.5 | 823.8  | 557.0 | 11.7 |
| 51°   | 1823.3 | 1806.5 | 1756.9 | 1678.9 | 1573.8 | 1435.9 | 1246.7 | 985.9  | 711.2  | 471.5 | 9.3  |
| 52°   | 1699.9 | 1690.6 | 1646.7 | 1566.3 | 1463.0 | 1325.6 | 1119.1 | 859.8  | 601.8  | 398.6 | 7.5  |
| 53°   | 1599.0 | 1585.4 | 1531.7 | 1460.2 | 1348.5 | 1206.5 | 980.8  | 742.5  | 509.8  | 335.0 | 6.5  |
| 54°   | 1451.8 | 1446.2 | 1411.6 | 1336.9 | 1215.8 | 1061.2 | 855.6  | 625.2  | 425.2  | 284.1 | 5.6  |
| 55°   | 1295.3 | 1276.6 | 1241.5 | 1182.2 | 1071.0 | 926.6  | 710.7  | 518.2  | 343.9  | 239.2 | 4.2  |
| 56°   | 1104.6 | 1103.7 | 1041.1 | 991.5  | 892.9  | 739.7  | 567.7  | 404.7  | 279.4  | 199.5 | 3.7  |
| 57°   | 922.4  | 892.9  | 832.7  | 783.6  | 677.5  | 561.2  | 421.5  | 303.3  | 218.7  | 161.7 | 2.8  |
| 58°   | 682.2  | 666.8  | 650.9  | 578.9  | 480.8  | 397.6  | 300.9  | 213.1  | 161.7  | 123.4 | 1.9  |
| 59°   | 463.1  | 462.6  | 443.9  | 389.2  | 332.7  | 247.7  | 187.8  | 144.9  | 111.2  | 90.6  | 1.4  |
| 60°   | 349.5  | 341.1  | 303.7  | 267.7  | 209.3  | 156.5  | 111.2  | 85.5   | 69.2   | 58.4  | 0.9  |
| 62.5° | 122.4  | 127.1  | 111.7  | 92.5   | 70.6   | 57.9   | 44.4   | 36.0   | 29.4   | 23.8  | 0.0  |
| 65°   | 25.2   | 27.6   | 23.8   | 22.4   | 17.8   | 15.4   | 13.6   | 11.7   | 9.8    | 8.4   | 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° | 3.3 | 2.8  | 2.8 | 2.8  | 2.3 | 2.3   | 2.3 | 2.3   | 1.9 | 1.9   | 0.5 |
| 70°   | 1.4 | 1.4  | 1.4 | 1.4  | 1.4 | 1.4   | 0.9 | 0.9   | 0.9 | 0.9   | 0.5 |
| 72.5° | 1.4 | 1.4  | 1.4 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.5   | 0.5 |
| 75°   | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.5   | 0.5 | 0.5   | 0.5 |
| 77.5° | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 |
| 80°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 |
| 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 | 0.0  | 0.0 | 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°    | 27.1  | 27.1 | 27.1   | 27.1 | 27.1   | 27.1 |
| 2.5°  | 28.5  | 27.6 | 26.2   | 25.7 | 25.2   | 25.2 |
| 5°    | 28.0  | 26.2 | 24.8   | 23.4 | 22.9   | 22.9 |
| 7.5°  | 26.6  | 24.3 | 22.4   | 21.5 | 21.0   | 20.6 |
| 10°   | 25.2  | 22.0 | 20.1   | 19.2 | 19.2   | 19.2 |
| 12.5° | 22.4  | 19.6 | 17.8   | 17.3 | 17.8   | 17.8 |
| 15°   | 20.1  | 16.8 | 15.9   | 15.9 | 16.4   | 16.8 |
| 17.5° | 17.3  | 15.0 | 14.0   | 14.5 | 15.0   | 15.4 |
| 20°   | 15.4  | 12.6 | 12.6   | 13.1 | 14.5   | 14.5 |
| 22.5° | 13.6  | 11.2 | 11.2   | 12.6 | 13.6   | 14.0 |
| 25°   | 12.1  | 9.8  | 10.3   | 11.7 | 13.1   | 13.6 |
| 27.5° | 10.3  | 8.4  | 9.3    | 11.2 | 12.6   | 13.1 |
| 30°   | 8.9   | 7.5  | 8.9    | 10.7 | 12.1   | 13.1 |
| 31°   | 8.4   | 7.0  | 8.9    | 10.3 | 12.1   | 13.1 |
| 32°   | 7.5   | 7.0  | 8.4    | 10.3 | 12.1   | 12.6 |
| 33°   | 7.0   | 6.5  | 8.4    | 10.3 | 12.1   | 12.6 |
| 34°   | 6.5   | 6.1  | 7.9    | 10.3 | 12.1   | 12.6 |
| 35°   | 5.6   | 6.1  | 7.9    | 9.8  | 11.7   | 12.6 |
| 36°   | 5.1   | 5.6  | 7.9    | 9.8  | 11.7   | 12.6 |
| 37°   | 4.7   | 5.6  | 7.5    | 9.8  | 11.7   | 12.6 |
| 38°   | 4.2   | 5.1  | 7.5    | 9.8  | 11.7   | 12.6 |
| 39°   | 3.7   | 5.1  | 7.0    | 9.8  | 11.7   | 12.6 |
| 40°   | 3.3   | 4.7  | 7.0    | 9.3  | 11.7   | 12.6 |
| 41°   | 3.3   | 4.7  | 7.0    | 9.3  | 11.7   | 12.6 |
| 42°   | 2.8   | 4.7  | 7.0    | 9.3  | 11.7   | 12.6 |
| 43°   | 2.3   | 4.2  | 7.0    | 9.3  | 11.7   | 12.6 |
| 44°   | 1.9   | 4.2  | 6.5    | 9.3  | 11.7   | 12.6 |
| 45°   | 1.9   | 4.2  | 6.5    | 9.3  | 11.7   | 12.6 |
| 46°   | 1.4   | 3.7  | 6.5    | 9.3  | 11.7   | 12.6 |
| 47°   | 0.9   | 3.7  | 6.5    | 8.9  | 11.7   | 12.6 |
| 48°   | 0.9   | 3.7  | 6.5    | 8.9  | 11.7   | 12.6 |
| 49°   | 0.9   | 3.7  | 6.1    | 8.9  | 11.7   | 12.6 |
| 50°   | 0.9   | 3.7  | 6.1    | 8.9  | 11.7   | 12.6 |
| 51°   | 0.5   | 3.3  | 6.1    | 8.9  | 11.7   | 12.6 |
| 52°   | 0.5   | 3.3  | 6.1    | 8.9  | 11.7   | 13.1 |
| 53°   | 0.5   | 3.3  | 6.1    | 8.9  | 11.7   | 12.6 |
| 54°   | 0.5   | 3.3  | 5.6    | 8.9  | 11.7   | 12.6 |
| 55°   | 0.5   | 3.3  | 5.6    | 8.9  | 11.7   | 12.6 |
| 56°   | 0.5   | 2.8  | 5.6    | 8.4  | 11.7   | 12.6 |
| 57°   | 0.9   | 2.8  | 5.6    | 8.4  | 11.7   | 12.1 |
| 58°   | 0.9   | 2.8  | 5.6    | 8.4  | 11.2   | 12.1 |
| 59°   | 0.9   | 2.8  | 5.6    | 8.4  | 11.2   | 12.1 |
| 60°   | 0.9   | 2.8  | 5.1    | 8.4  | 11.2   | 12.1 |
| 62.5° | 0.9   | 2.8  | 5.1    | 7.9  | 10.7   | 11.7 |
| 65°   | 0.9   | 2.8  | 4.7    | 7.5  | 10.7   | 11.2 |



TEST NUMBER: P1337310

CATALOG NUMBER: P3A05R259027DE010 E3CA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.9   | 2.3 | 4.7    | 7.0  | 10.3   | 10.7 |
| 70°   | 1.4   | 2.3 | 4.2    | 7.0  | 9.8    | 10.3 |
| 72.5° | 1.4   | 2.3 | 4.2    | 6.1  | 8.9    | 9.8  |
| 75°   | 1.4   | 2.3 | 3.7    | 5.6  | 8.4    | 8.9  |
| 77.5° | 1.4   | 2.3 | 3.3    | 5.1  | 7.5    | 7.9  |
| 80°   | 1.9   | 2.3 | 2.8    | 4.2  | 6.5    | 7.0  |
| 82.5° | 1.9   | 2.3 | 2.3    | 3.3  | 5.1    | 5.6  |
| 85°   | 1.4   | 1.9 | 1.9    | 2.3  | 3.3    | 3.7  |
| 87.5° | 1.4   | 1.9 | 1.4    | 0.9  | 1.9    | 1.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)