

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: P1344501

Luminaire Tested: P3A13R259730DE010 E3A451WH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344501  
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: P3A13R259730DE010 E3A451WH  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3A451WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

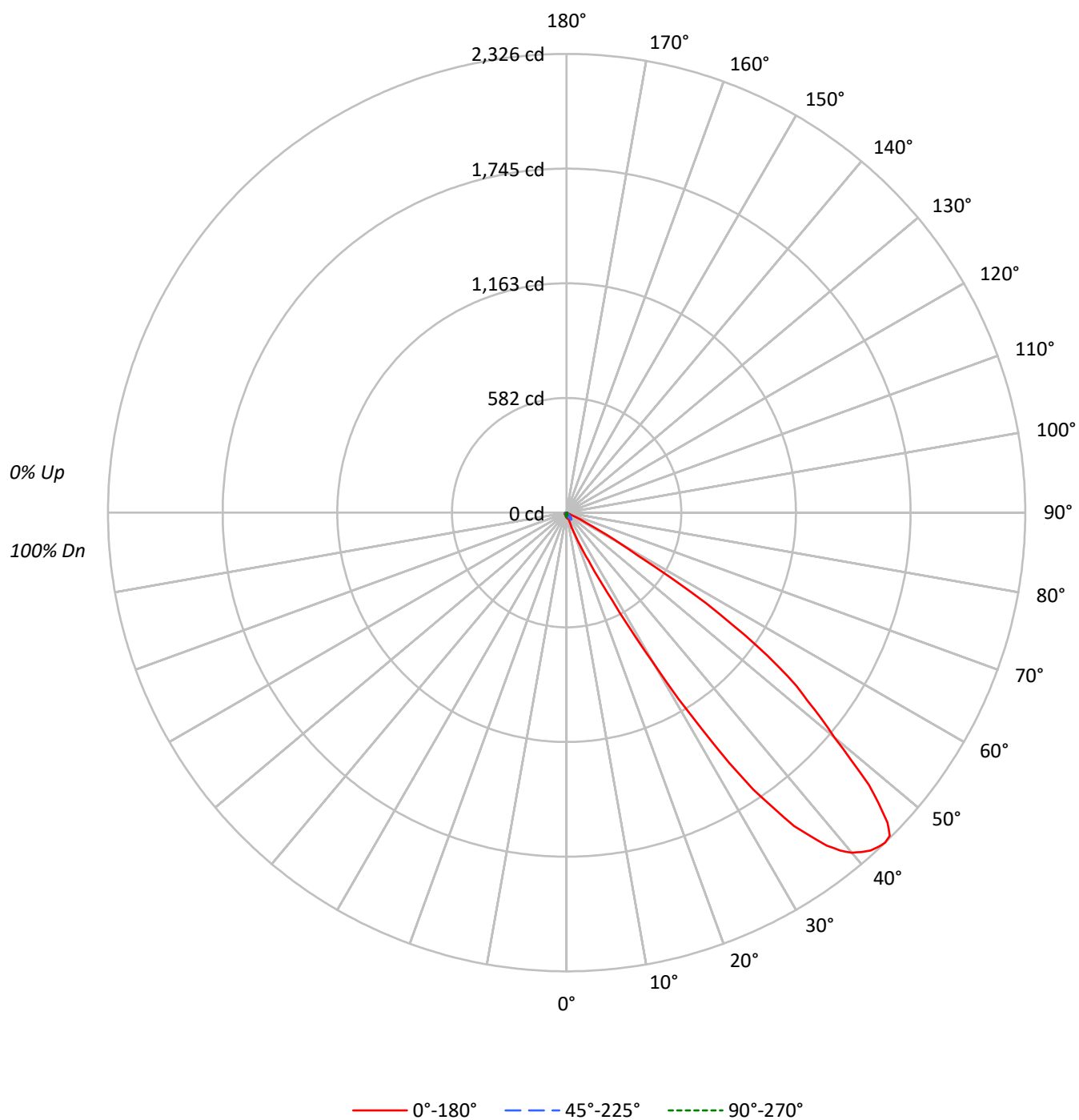
Lumens per Lamp: N/A  
Luminaire Lumens: 485.0 lumens  
Efficiency: N/A  
Efficacy: 33.2 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.61 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P1344501

CATALOG NUMBER: P3A13R259730DE010 E3A451WH

### Luminous Intensity Polar Plot



TEST NUMBER: P1344501

CATALOG NUMBER: P3A13R259730DE010 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  | 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  | 64  |  | 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  | 39  | 52  | 44  | 38  |  | 50  | 43  | 38  |  | 48  | 42  | 37  | 35  |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 39  | 32  | 46  | 38  | 32  |  | 44  | 37  | 32  |  | 43  | 36  | 32  | 29  |
| 8   | 57  | 43  | 34  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  |  | 39  | 32  | 27  |  | 38  | 32  | 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  | 20  |  | 31  | 24  | 19  |  | 30  | 24  | 19  | 17  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 5438   | 5438  | 5438 | 5438 | 5438 |
| 5°  | 6207   | 5921  | 5261 | 4689 | 4600 |
| 10° | 6168   | 5611  | 4476 | 3897 | 3897 |
| 15° | 6879   | 4835  | 3496 | 3292 | 3496 |
| 20° | 24292  | 4784  | 2684 | 2800 | 3080 |
| 25° | 69899  | 6097  | 2178 | 2589 | 3000 |
| 30° | 223047 | 9394  | 1722 | 2481 | 3038 |
| 35° | 488512 | 11082 | 1472 | 2409 | 3078 |
| 40° | 644436 | 10019 | 1231 | 2433 | 3292 |
| 45° | 718679 | 7008  | 1178 | 2636 | 3566 |
| 50° | 604944 | 3650  | 1160 | 2763 | 3923 |
| 55° | 452304 | 1453  | 1147 | 3097 | 4396 |
| 60° | 139989 | 395   | 1140 | 3377 | 4868 |
| 65° | 11934  | 0     | 1349 | 3528 | 5292 |
| 70° | 833    | 256   | 1346 | 4103 | 6027 |
| 75° | 763    | 339   | 1779 | 4321 | 6863 |
| 80° | 505    | 505   | 2652 | 4799 | 8082 |
| 85° | 1006   | 1006  | 4277 | 5284 | 8554 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 718679 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.2    | 0.5       |
| 10°-20°   | 5.7    | 1.2       |
| 20°-30°   | 26.8   | 5.5       |
| 30°-40°   | 129.2  | 26.6      |
| 40°-50°   | 202.5  | 41.8      |
| 50°-60°   | 103.8  | 21.4      |
| 60°-70°   | 9.8    | 2.0       |
| 70°-80°   | 3.3    | 0.7       |
| 80°-90°   | 1.6    | 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°    | 34.8   | 7.2       |
| 0°-40°    | 164.0  | 33.8      |
| 0°-60°    | 470.3  | 97.0      |
| 0°-90°    | 485.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 485.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 25   | 25  | 25  | 25   | 25   |      |
| 5°  | 28   | 27  | 24  | 21   | 21   | 3    |
| 15° | 30   | 21  | 15  | 14   | 15   | 13   |
| 25° | 289  | 25  | 9   | 11   | 12   | 179  |
| 35° | 1825 | 41  | 6   | 9    | 12   | 1108 |
| 45° | 2318 | 23  | 4   | 8    | 12   | 1696 |
| 55° | 1183 | 4   | 3   | 8    | 12   | 985  |
| 65° | 23   | 0   | 3   | 7    | 10   | 72   |
| 75° | 1    | 0   | 2   | 5    | 8    | 1    |
| 85° | 0    | 0   | 2   | 2    | 3    | 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°    | 24.8   | 24.8   | 24.8   | 24.8   | 24.8   | 24.8   | 24.8   | 24.8   | 24.8   | 24.8  | 24.8 |
| 2.5°  | 26.9   | 26.9   | 26.9   | 26.9   | 26.9   | 26.9   | 26.5   | 26.5   | 26.9   | 26.5  | 26.5 |
| 5°    | 28.2   | 28.2   | 28.2   | 28.2   | 28.2   | 28.2   | 28.2   | 27.7   | 27.7   | 27.7  | 26.9 |
| 7.5°  | 28.6   | 28.2   | 28.2   | 28.2   | 28.2   | 28.2   | 28.2   | 28.2   | 27.7   | 27.7  | 26.5 |
| 10°   | 27.7   | 27.7   | 27.7   | 27.7   | 27.3   | 27.3   | 27.3   | 26.9   | 26.9   | 26.9  | 25.2 |
| 12.5° | 27.7   | 27.7   | 27.7   | 27.7   | 27.3   | 27.3   | 26.9   | 26.9   | 26.5   | 26.0  | 23.0 |
| 15°   | 30.3   | 30.3   | 30.3   | 29.9   | 29.4   | 29.0   | 28.6   | 28.2   | 27.7   | 26.9  | 21.3 |
| 17.5° | 44.4   | 43.1   | 42.7   | 41.0   | 38.8   | 36.7   | 35.0   | 33.3   | 31.6   | 30.3  | 20.5 |
| 20°   | 104.1  | 103.7  | 101.6  | 96.5   | 90.9   | 84.5   | 78.1   | 70.8   | 60.6   | 53.8  | 20.5 |
| 22.5° | 180.5  | 178.0  | 174.1  | 170.3  | 160.5  | 148.9  | 137.0  | 123.3  | 110.1  | 96.0  | 21.8 |
| 25°   | 288.9  | 294.9  | 282.1  | 271.9  | 254.8  | 233.9  | 211.3  | 192.5  | 168.6  | 146.4 | 25.2 |
| 27.5° | 502.3  | 506.2  | 481.0  | 447.7  | 408.0  | 364.1  | 321.4  | 289.4  | 249.2  | 212.5 | 31.6 |
| 30°   | 880.9  | 884.7  | 842.5  | 771.6  | 689.7  | 617.6  | 519.8  | 434.0  | 355.1  | 294.1 | 37.1 |
| 31°   | 1099.4 | 1069.5 | 1020.5 | 951.7  | 848.0  | 739.2  | 621.8  | 518.1  | 418.3  | 338.0 | 38.8 |
| 32°   | 1289.3 | 1286.8 | 1229.6 | 1125.4 | 1021.3 | 886.9  | 741.3  | 606.0  | 483.6  | 382.4 | 40.1 |
| 33°   | 1513.4 | 1496.3 | 1415.7 | 1317.5 | 1179.6 | 1044.4 | 856.6  | 702.1  | 550.6  | 431.9 | 41.0 |
| 34°   | 1693.1 | 1647.0 | 1613.7 | 1501.4 | 1355.9 | 1183.5 | 982.5  | 803.6  | 634.2  | 479.7 | 41.4 |
| 35°   | 1824.9 | 1815.1 | 1750.3 | 1645.7 | 1497.6 | 1321.3 | 1118.2 | 909.1  | 704.2  | 535.2 | 41.4 |
| 36°   | 1964.5 | 1934.2 | 1871.0 | 1776.3 | 1632.0 | 1449.8 | 1221.9 | 1000.4 | 785.7  | 585.1 | 41.0 |
| 37°   | 2052.0 | 2034.1 | 1971.3 | 1873.6 | 1732.3 | 1558.2 | 1338.0 | 1096.8 | 850.6  | 635.1 | 40.1 |
| 38°   | 2142.1 | 2105.8 | 2043.9 | 1950.4 | 1811.7 | 1648.3 | 1422.1 | 1171.1 | 910.3  | 679.0 | 38.8 |
| 39°   | 2204.4 | 2166.8 | 2103.6 | 2010.6 | 1874.9 | 1712.7 | 1488.6 | 1234.3 | 962.4  | 711.9 | 37.1 |
| 40°   | 2251.3 | 2215.0 | 2151.0 | 2055.4 | 1921.4 | 1763.5 | 1544.1 | 1290.2 | 1005.9 | 740.5 | 35.0 |
| 41°   | 2280.3 | 2246.6 | 2183.0 | 2087.8 | 1953.4 | 1792.5 | 1580.4 | 1326.5 | 1035.4 | 759.7 | 32.9 |
| 42°   | 2304.7 | 2270.1 | 2205.2 | 2107.9 | 1973.0 | 1817.3 | 1602.6 | 1349.5 | 1055.4 | 769.5 | 31.2 |
| 43°   | 2318.3 | 2283.7 | 2220.6 | 2121.1 | 1985.0 | 1828.8 | 1614.5 | 1360.2 | 1062.3 | 768.2 | 28.2 |
| 44°   | 2326.0 | 2290.1 | 2226.6 | 2127.1 | 1990.1 | 1831.8 | 1615.4 | 1358.0 | 1057.6 | 758.0 | 25.6 |
| 45°   | 2317.5 | 2282.0 | 2220.6 | 2121.1 | 1981.2 | 1822.4 | 1606.9 | 1346.5 | 1039.7 | 737.9 | 22.6 |
| 46°   | 2262.0 | 2234.7 | 2178.3 | 2087.0 | 1953.0 | 1798.5 | 1585.1 | 1324.3 | 1011.9 | 713.2 | 19.2 |
| 47°   | 2164.2 | 2142.5 | 2087.8 | 2020.0 | 1898.8 | 1754.5 | 1545.0 | 1282.1 | 973.1  | 676.0 | 15.4 |
| 48°   | 2062.2 | 2030.2 | 1979.4 | 1909.9 | 1807.4 | 1675.6 | 1478.8 | 1220.2 | 914.2  | 627.4 | 13.7 |
| 49°   | 1911.6 | 1892.8 | 1848.0 | 1770.3 | 1685.4 | 1569.3 | 1385.4 | 1140.8 | 842.1  | 574.5 | 12.0 |
| 50°   | 1773.3 | 1760.5 | 1697.8 | 1640.6 | 1550.5 | 1442.1 | 1258.6 | 1036.2 | 752.4  | 508.7 | 10.7 |
| 51°   | 1665.3 | 1650.0 | 1604.7 | 1533.5 | 1437.4 | 1311.5 | 1138.7 | 900.5  | 649.6  | 430.6 | 8.5  |
| 52°   | 1552.7 | 1544.1 | 1504.0 | 1430.6 | 1336.3 | 1210.8 | 1022.2 | 785.3  | 549.7  | 364.1 | 6.8  |
| 53°   | 1460.5 | 1448.1 | 1399.0 | 1333.7 | 1231.7 | 1102.0 | 895.8  | 678.2  | 465.6  | 306.0 | 6.0  |
| 54°   | 1326.0 | 1320.9 | 1289.3 | 1221.0 | 1110.5 | 969.2  | 781.4  | 571.0  | 388.4  | 259.5 | 5.1  |
| 55°   | 1183.1 | 1166.0 | 1134.0 | 1079.8 | 978.2  | 846.3  | 649.1  | 473.3  | 314.1  | 218.5 | 3.8  |
| 56°   | 1008.9 | 1008.1 | 950.9  | 905.6  | 815.6  | 675.6  | 518.5  | 369.6  | 255.2  | 182.2 | 3.4  |
| 57°   | 842.5  | 815.6  | 760.5  | 715.7  | 618.8  | 512.6  | 385.0  | 277.0  | 199.7  | 147.7 | 2.6  |
| 58°   | 623.1  | 609.0  | 594.5  | 528.8  | 439.2  | 363.2  | 274.9  | 194.6  | 147.7  | 112.7 | 1.7  |
| 59°   | 422.9  | 422.5  | 405.4  | 355.5  | 303.9  | 226.2  | 171.6  | 132.3  | 101.6  | 82.8  | 1.3  |
| 60°   | 319.2  | 311.6  | 277.4  | 244.5  | 191.2  | 143.0  | 101.6  | 78.1   | 63.2   | 53.3  | 0.9  |
| 62.5° | 111.8  | 116.1  | 102.0  | 84.5   | 64.4   | 52.9   | 40.5   | 32.9   | 26.9   | 21.8  | 0.0  |
| 65°   | 23.0   | 25.2   | 21.8   | 20.5   | 16.2   | 14.1   | 12.4   | 10.7   | 9.0    | 7.7   | 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° | 3.0 | 2.6  | 2.6 | 2.6  | 2.1 | 2.1   | 2.1 | 2.1   | 1.7 | 1.7   | 0.4 |
| 70°   | 1.3 | 1.3  | 1.3 | 1.3  | 1.3 | 1.3   | 0.9 | 0.9   | 0.9 | 0.9   | 0.4 |
| 72.5° | 1.3 | 1.3  | 1.3 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.4   | 0.4 |
| 75°   | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.4   | 0.4 | 0.4   | 0.4 |
| 77.5° | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 |
| 80°   | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 |
| 82.5° | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 | 0.4   | 0.9 |
| 85°   | 0.4 | 0.4  | 0.4 | 0.0  | 0.0 | 0.4   | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.4 |
| 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°    | 24.8  | 24.8 | 24.8   | 24.8 | 24.8   | 24.8 |
| 2.5°  | 26.0  | 25.2 | 23.9   | 23.5 | 23.0   | 23.0 |
| 5°    | 25.6  | 23.9 | 22.6   | 21.3 | 20.9   | 20.9 |
| 7.5°  | 24.3  | 22.2 | 20.5   | 19.6 | 19.2   | 18.8 |
| 10°   | 23.0  | 20.1 | 18.4   | 17.5 | 17.5   | 17.5 |
| 12.5° | 20.5  | 17.9 | 16.2   | 15.8 | 16.2   | 16.2 |
| 15°   | 18.4  | 15.4 | 14.5   | 14.5 | 14.9   | 15.4 |
| 17.5° | 15.8  | 13.7 | 12.8   | 13.2 | 13.7   | 14.1 |
| 20°   | 14.1  | 11.5 | 11.5   | 12.0 | 13.2   | 13.2 |
| 22.5° | 12.4  | 10.2 | 10.2   | 11.5 | 12.4   | 12.8 |
| 25°   | 11.1  | 9.0  | 9.4    | 10.7 | 12.0   | 12.4 |
| 27.5° | 9.4   | 7.7  | 8.5    | 10.2 | 11.5   | 12.0 |
| 30°   | 8.1   | 6.8  | 8.1    | 9.8  | 11.1   | 12.0 |
| 31°   | 7.7   | 6.4  | 8.1    | 9.4  | 11.1   | 12.0 |
| 32°   | 6.8   | 6.4  | 7.7    | 9.4  | 11.1   | 11.5 |
| 33°   | 6.4   | 6.0  | 7.7    | 9.4  | 11.1   | 11.5 |
| 34°   | 6.0   | 5.5  | 7.3    | 9.4  | 11.1   | 11.5 |
| 35°   | 5.1   | 5.5  | 7.3    | 9.0  | 10.7   | 11.5 |
| 36°   | 4.7   | 5.1  | 7.3    | 9.0  | 10.7   | 11.5 |
| 37°   | 4.3   | 5.1  | 6.8    | 9.0  | 10.7   | 11.5 |
| 38°   | 3.8   | 4.7  | 6.8    | 9.0  | 10.7   | 11.5 |
| 39°   | 3.4   | 4.7  | 6.4    | 9.0  | 10.7   | 11.5 |
| 40°   | 3.0   | 4.3  | 6.4    | 8.5  | 10.7   | 11.5 |
| 41°   | 3.0   | 4.3  | 6.4    | 8.5  | 10.7   | 11.5 |
| 42°   | 2.6   | 4.3  | 6.4    | 8.5  | 10.7   | 11.5 |
| 43°   | 2.1   | 3.8  | 6.4    | 8.5  | 10.7   | 11.5 |
| 44°   | 1.7   | 3.8  | 6.0    | 8.5  | 10.7   | 11.5 |
| 45°   | 1.7   | 3.8  | 6.0    | 8.5  | 10.7   | 11.5 |
| 46°   | 1.3   | 3.4  | 6.0    | 8.5  | 10.7   | 11.5 |
| 47°   | 0.9   | 3.4  | 6.0    | 8.1  | 10.7   | 11.5 |
| 48°   | 0.9   | 3.4  | 6.0    | 8.1  | 10.7   | 11.5 |
| 49°   | 0.9   | 3.4  | 5.5    | 8.1  | 10.7   | 11.5 |
| 50°   | 0.9   | 3.4  | 5.5    | 8.1  | 10.7   | 11.5 |
| 51°   | 0.4   | 3.0  | 5.5    | 8.1  | 10.7   | 11.5 |
| 52°   | 0.4   | 3.0  | 5.5    | 8.1  | 10.7   | 12.0 |
| 53°   | 0.4   | 3.0  | 5.5    | 8.1  | 10.7   | 11.5 |
| 54°   | 0.4   | 3.0  | 5.1    | 8.1  | 10.7   | 11.5 |
| 55°   | 0.4   | 3.0  | 5.1    | 8.1  | 10.7   | 11.5 |
| 56°   | 0.4   | 2.6  | 5.1    | 7.7  | 10.7   | 11.5 |
| 57°   | 0.9   | 2.6  | 5.1    | 7.7  | 10.7   | 11.1 |
| 58°   | 0.9   | 2.6  | 5.1    | 7.7  | 10.2   | 11.1 |
| 59°   | 0.9   | 2.6  | 5.1    | 7.7  | 10.2   | 11.1 |
| 60°   | 0.9   | 2.6  | 4.7    | 7.7  | 10.2   | 11.1 |
| 62.5° | 0.9   | 2.6  | 4.7    | 7.3  | 9.8    | 10.7 |
| 65°   | 0.9   | 2.6  | 4.3    | 6.8  | 9.8    | 10.2 |



TEST NUMBER: P1344501

CATALOG NUMBER: P3A13R259730DE010 E3A451WH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.9   | 2.1 | 4.3    | 6.4  | 9.4    | 9.8  |
| 70°   | 1.3   | 2.1 | 3.8    | 6.4  | 9.0    | 9.4  |
| 72.5° | 1.3   | 2.1 | 3.8    | 5.5  | 8.1    | 9.0  |
| 75°   | 1.3   | 2.1 | 3.4    | 5.1  | 7.7    | 8.1  |
| 77.5° | 1.3   | 2.1 | 3.0    | 4.7  | 6.8    | 7.3  |
| 80°   | 1.7   | 2.1 | 2.6    | 3.8  | 6.0    | 6.4  |
| 82.5° | 1.7   | 2.1 | 2.1    | 3.0  | 4.7    | 5.1  |
| 85°   | 1.3   | 1.7 | 1.7    | 2.1  | 3.0    | 3.4  |
| 87.5° | 1.3   | 1.7 | 1.3    | 0.9  | 1.7    | 1.7  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)