

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: P1344517

Luminaire Tested: P3A13R259735DE010 E3A451WH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344517  
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: P3A13R259735DE010 E3A451WH  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3A451WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

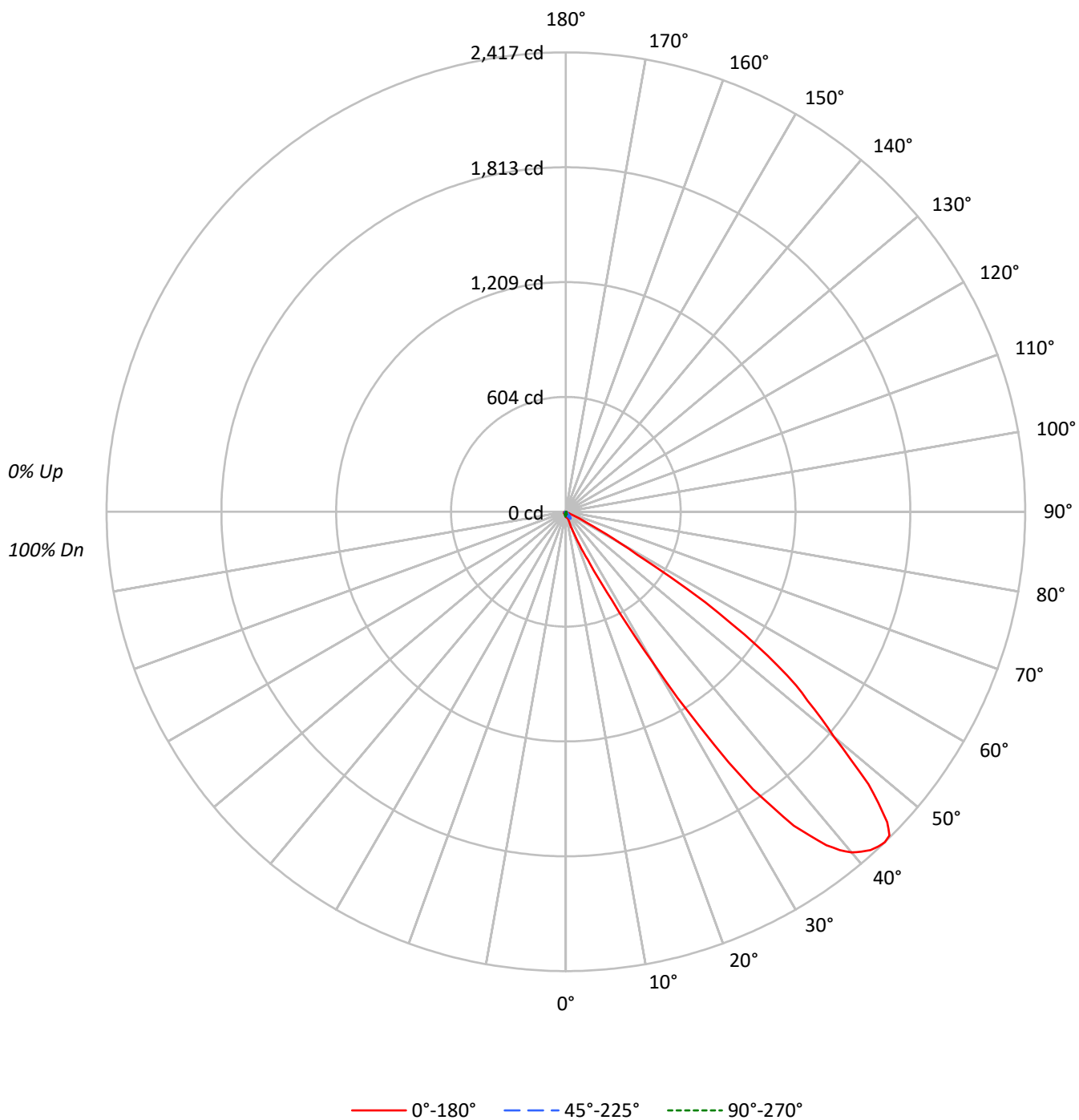
Lumens per Lamp: N/A  
Luminaire Lumens: 504.0 lumens  
Efficiency: N/A  
Efficacy: 34.5 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.61 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1344517

CATALOG NUMBER: P3A13R259735DE010 E3A451WH

### Luminous Intensity Polar Plot



TEST NUMBER: P1344517

CATALOG NUMBER: P3A13R259735DE010 E3A451WH

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

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 5636   | 5636  | 5636 | 5636 | 5636 |
| 5°  | 6449   | 6141  | 5459 | 4887 | 4777 |
| 10° | 6413   | 5834  | 4631 | 4052 | 4052 |
| 15° | 7151   | 5040  | 3632 | 3428 | 3632 |
| 20° | 25249  | 4970  | 2800 | 2894 | 3197 |
| 25° | 72657  | 6339  | 2250 | 2686 | 3121 |
| 30° | 231782 | 9774  | 1798 | 2583 | 3140 |
| 35° | 507652 | 11511 | 1553 | 2490 | 3212 |
| 40° | 669683 | 10420 | 1260 | 2548 | 3435 |
| 45° | 746806 | 7288  | 1240 | 2760 | 3721 |
| 50° | 628653 | 3787  | 1194 | 2866 | 4094 |
| 55° | 470005 | 1529  | 1185 | 3211 | 4588 |
| 60° | 145471 | 395   | 1184 | 3508 | 5043 |
| 65° | 12401  | 0     | 1401 | 3684 | 5500 |
| 70° | 833    | 256   | 1410 | 4296 | 6283 |
| 75° | 763    | 339   | 1864 | 4490 | 7117 |
| 80° | 505    | 505   | 2778 | 5051 | 8461 |
| 85° | 1006   | 1006  | 4529 | 5535 | 8806 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 746806 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.3    | 0.5       |
| 10°-20°   | 5.9    | 1.2       |
| 20°-30°   | 27.9   | 5.5       |
| 30°-40°   | 134.3  | 26.6      |
| 40°-50°   | 210.4  | 41.8      |
| 50°-60°   | 107.9  | 21.4      |
| 60°-70°   | 10.2   | 2.0       |
| 70°-80°   | 3.4    | 0.7       |
| 80°-90°   | 1.7    | 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°    | 36.1   | 7.2       |
| 0°-40°    | 170.4  | 33.8      |
| 0°-60°    | 488.7  | 97.0      |
| 0°-90°    | 504.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 504.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 26   | 26  | 26  | 26   | 26   |      |
| 5°  | 29   | 28  | 25  | 22   | 22   | 3    |
| 15° | 32   | 22  | 16  | 15   | 16   | 13   |
| 25° | 300  | 26  | 9   | 11   | 13   | 186  |
| 35° | 1896 | 43  | 6   | 9    | 12   | 1151 |
| 45° | 2408 | 24  | 4   | 9    | 12   | 1762 |
| 55° | 1229 | 4   | 3   | 8    | 12   | 1023 |
| 65° | 24   | 0   | 3   | 7    | 11   | 75   |
| 75° | 1    | 0   | 2   | 5    | 8    | 1    |
| 85° | 0    | 0   | 2   | 2    | 4    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1344517

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0°    | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7  | 25.7 |
| 2.5°  | 27.9   | 27.9   | 27.9   | 27.9   | 27.9   | 27.9   | 27.5   | 27.5   | 27.9   | 27.5  | 27.5 |
| 5°    | 29.3   | 29.3   | 29.3   | 29.3   | 29.3   | 29.3   | 29.3   | 28.8   | 28.8   | 28.8  | 27.9 |
| 7.5°  | 29.7   | 29.3   | 29.3   | 29.3   | 29.3   | 29.3   | 29.3   | 29.3   | 28.8   | 28.8  | 27.5 |
| 10°   | 28.8   | 28.8   | 28.8   | 28.8   | 28.4   | 28.4   | 28.4   | 27.9   | 27.9   | 27.9  | 26.2 |
| 12.5° | 28.8   | 28.8   | 28.8   | 28.8   | 28.4   | 28.4   | 27.9   | 27.9   | 27.5   | 27.1  | 23.9 |
| 15°   | 31.5   | 31.5   | 31.5   | 31.0   | 30.6   | 30.2   | 29.7   | 29.3   | 28.8   | 27.9  | 22.2 |
| 17.5° | 46.1   | 44.8   | 44.4   | 42.6   | 40.4   | 38.1   | 36.4   | 34.6   | 32.8   | 31.5  | 21.3 |
| 20°   | 108.2  | 107.8  | 105.6  | 100.2  | 94.5   | 87.8   | 81.2   | 73.6   | 63.0   | 55.9  | 21.3 |
| 22.5° | 187.6  | 184.9  | 181.0  | 177.0  | 166.8  | 154.8  | 142.4  | 128.2  | 114.4  | 99.8  | 22.6 |
| 25°   | 300.3  | 306.5  | 293.2  | 282.5  | 264.8  | 243.0  | 219.5  | 200.0  | 175.2  | 152.1 | 26.2 |
| 27.5° | 522.0  | 526.0  | 499.8  | 465.2  | 424.0  | 378.3  | 334.0  | 300.7  | 259.0  | 220.9 | 32.8 |
| 30°   | 915.4  | 919.4  | 875.5  | 801.9  | 716.7  | 641.8  | 540.2  | 451.0  | 369.0  | 305.6 | 38.6 |
| 31°   | 1142.5 | 1111.4 | 1060.4 | 989.0  | 881.3  | 768.2  | 646.2  | 538.4  | 434.6  | 351.3 | 40.4 |
| 32°   | 1339.8 | 1337.2 | 1277.7 | 1169.5 | 1061.3 | 921.6  | 770.4  | 629.8  | 502.5  | 397.4 | 41.7 |
| 33°   | 1572.7 | 1554.9 | 1471.1 | 1369.1 | 1225.9 | 1085.3 | 890.1  | 729.6  | 572.1  | 448.8 | 42.6 |
| 34°   | 1759.4 | 1711.5 | 1676.9 | 1560.3 | 1409.0 | 1229.8 | 1021.0 | 835.1  | 659.1  | 498.5 | 43.0 |
| 35°   | 1896.4 | 1886.2 | 1818.8 | 1710.2 | 1556.3 | 1373.1 | 1162.0 | 944.7  | 731.8  | 556.2 | 43.0 |
| 36°   | 2041.5 | 2010.0 | 1944.3 | 1845.9 | 1696.0 | 1506.6 | 1269.8 | 1039.6 | 816.5  | 608.0 | 42.6 |
| 37°   | 2132.4 | 2113.8 | 2048.6 | 1947.0 | 1800.2 | 1619.2 | 1390.4 | 1139.8 | 883.9  | 659.9 | 41.7 |
| 38°   | 2226.0 | 2188.3 | 2124.0 | 2026.8 | 1882.7 | 1712.8 | 1477.8 | 1217.0 | 946.0  | 705.6 | 40.4 |
| 39°   | 2290.7 | 2251.7 | 2186.1 | 2089.4 | 1948.3 | 1779.8 | 1547.0 | 1282.6 | 1000.1 | 739.8 | 38.6 |
| 40°   | 2339.5 | 2301.8 | 2235.3 | 2135.9 | 1996.7 | 1832.6 | 1604.6 | 1340.7 | 1045.3 | 769.5 | 36.4 |
| 41°   | 2369.7 | 2334.6 | 2268.5 | 2169.6 | 2029.9 | 1862.7 | 1642.3 | 1378.4 | 1076.0 | 789.4 | 34.2 |
| 42°   | 2394.9 | 2359.0 | 2291.6 | 2190.5 | 2050.3 | 1888.5 | 1665.4 | 1402.4 | 1096.8 | 799.6 | 32.4 |
| 43°   | 2409.1 | 2373.2 | 2307.6 | 2204.2 | 2062.8 | 1900.4 | 1677.8 | 1413.5 | 1103.9 | 798.3 | 29.3 |
| 44°   | 2417.1 | 2379.9 | 2313.8 | 2210.4 | 2068.1 | 1903.5 | 1678.7 | 1411.2 | 1099.0 | 787.7 | 26.6 |
| 45°   | 2408.2 | 2371.4 | 2307.6 | 2204.2 | 2058.8 | 1893.8 | 1669.8 | 1399.3 | 1080.4 | 766.8 | 23.5 |
| 46°   | 2350.6 | 2322.2 | 2263.7 | 2168.8 | 2029.5 | 1868.9 | 1647.2 | 1376.2 | 1051.6 | 741.1 | 20.0 |
| 47°   | 2249.0 | 2226.4 | 2169.6 | 2099.1 | 1973.2 | 1823.3 | 1605.5 | 1332.3 | 1011.2 | 702.5 | 16.0 |
| 48°   | 2143.0 | 2109.8 | 2057.0 | 1984.7 | 1878.3 | 1741.2 | 1536.8 | 1268.0 | 950.0  | 652.0 | 14.2 |
| 49°   | 1986.5 | 1967.0 | 1920.4 | 1839.7 | 1751.4 | 1630.8 | 1439.6 | 1185.5 | 875.0  | 597.0 | 12.4 |
| 50°   | 1842.8 | 1829.5 | 1764.3 | 1704.8 | 1611.3 | 1498.6 | 1307.9 | 1076.8 | 781.9  | 528.7 | 11.1 |
| 51°   | 1730.6 | 1714.6 | 1667.6 | 1593.5 | 1493.7 | 1362.9 | 1183.3 | 935.8  | 675.0  | 447.5 | 8.9  |
| 52°   | 1613.5 | 1604.6 | 1562.9 | 1486.6 | 1388.6 | 1258.2 | 1062.2 | 816.1  | 571.2  | 378.3 | 7.1  |
| 53°   | 1517.7 | 1504.8 | 1453.8 | 1386.0 | 1280.0 | 1145.1 | 930.9  | 704.7  | 483.9  | 318.0 | 6.2  |
| 54°   | 1378.0 | 1372.7 | 1339.8 | 1268.9 | 1154.0 | 1007.2 | 812.1  | 593.4  | 403.6  | 269.7 | 5.3  |
| 55°   | 1229.4 | 1211.7 | 1178.4 | 1122.1 | 1016.5 | 879.5  | 674.6  | 491.9  | 326.4  | 227.1 | 4.0  |
| 56°   | 1048.5 | 1047.6 | 988.1  | 941.1  | 847.5  | 702.1  | 538.9  | 384.1  | 265.2  | 189.4 | 3.5  |
| 57°   | 875.5  | 847.5  | 790.3  | 743.8  | 643.1  | 532.7  | 400.0  | 287.8  | 207.6  | 153.5 | 2.7  |
| 58°   | 647.5  | 632.9  | 617.8  | 549.5  | 456.4  | 377.4  | 285.6  | 202.2  | 153.5  | 117.1 | 1.8  |
| 59°   | 439.5  | 439.1  | 421.3  | 369.4  | 315.8  | 235.1  | 178.3  | 137.5  | 105.6  | 86.0  | 1.3  |
| 60°   | 331.7  | 323.8  | 288.3  | 254.1  | 198.7  | 148.6  | 105.6  | 81.2   | 65.6   | 55.4  | 0.9  |
| 62.5° | 116.2  | 120.6  | 106.0  | 87.8   | 67.0   | 55.0   | 42.1   | 34.2   | 27.9   | 22.6  | 0.0  |
| 65°   | 23.9   | 26.2   | 22.6   | 21.3   | 16.9   | 14.6   | 12.9   | 11.1   | 9.3    | 8.0   | 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° | 3.1 | 2.7  | 2.7 | 2.7  | 2.2 | 2.2   | 2.2 | 2.2   | 1.8 | 1.8   | 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°    | 25.7  | 25.7 | 25.7   | 25.7 | 25.7   | 25.7 |
| 2.5°  | 27.1  | 26.2 | 24.8   | 24.4 | 23.9   | 23.9 |
| 5°    | 26.6  | 24.8 | 23.5   | 22.2 | 21.7   | 21.7 |
| 7.5°  | 25.3  | 23.1 | 21.3   | 20.4 | 20.0   | 19.5 |
| 10°   | 23.9  | 20.8 | 19.1   | 18.2 | 18.2   | 18.2 |
| 12.5° | 21.3  | 18.6 | 16.9   | 16.4 | 16.9   | 16.9 |
| 15°   | 19.1  | 16.0 | 15.1   | 15.1 | 15.5   | 16.0 |
| 17.5° | 16.4  | 14.2 | 13.3   | 13.7 | 14.2   | 14.6 |
| 20°   | 14.6  | 12.0 | 12.0   | 12.4 | 13.7   | 13.7 |
| 22.5° | 12.9  | 10.6 | 10.6   | 12.0 | 12.9   | 13.3 |
| 25°   | 11.5  | 9.3  | 9.8    | 11.1 | 12.4   | 12.9 |
| 27.5° | 9.8   | 8.0  | 8.9    | 10.6 | 12.0   | 12.4 |
| 30°   | 8.4   | 7.1  | 8.4    | 10.2 | 11.5   | 12.4 |
| 31°   | 8.0   | 6.7  | 8.4    | 9.8  | 11.5   | 12.4 |
| 32°   | 7.1   | 6.7  | 8.0    | 9.8  | 11.5   | 12.0 |
| 33°   | 6.7   | 6.2  | 8.0    | 9.8  | 11.5   | 12.0 |
| 34°   | 6.2   | 5.8  | 7.5    | 9.8  | 11.5   | 12.0 |
| 35°   | 5.3   | 5.8  | 7.5    | 9.3  | 11.1   | 12.0 |
| 36°   | 4.9   | 5.3  | 7.5    | 9.3  | 11.1   | 12.0 |
| 37°   | 4.4   | 5.3  | 7.1    | 9.3  | 11.1   | 12.0 |
| 38°   | 4.0   | 4.9  | 7.1    | 9.3  | 11.1   | 12.0 |
| 39°   | 3.5   | 4.9  | 6.7    | 9.3  | 11.1   | 12.0 |
| 40°   | 3.1   | 4.4  | 6.7    | 8.9  | 11.1   | 12.0 |
| 41°   | 3.1   | 4.4  | 6.7    | 8.9  | 11.1   | 12.0 |
| 42°   | 2.7   | 4.4  | 6.7    | 8.9  | 11.1   | 12.0 |
| 43°   | 2.2   | 4.0  | 6.7    | 8.9  | 11.1   | 12.0 |
| 44°   | 1.8   | 4.0  | 6.2    | 8.9  | 11.1   | 12.0 |
| 45°   | 1.8   | 4.0  | 6.2    | 8.9  | 11.1   | 12.0 |
| 46°   | 1.3   | 3.5  | 6.2    | 8.9  | 11.1   | 12.0 |
| 47°   | 0.9   | 3.5  | 6.2    | 8.4  | 11.1   | 12.0 |
| 48°   | 0.9   | 3.5  | 6.2    | 8.4  | 11.1   | 12.0 |
| 49°   | 0.9   | 3.5  | 5.8    | 8.4  | 11.1   | 12.0 |
| 50°   | 0.9   | 3.5  | 5.8    | 8.4  | 11.1   | 12.0 |
| 51°   | 0.4   | 3.1  | 5.8    | 8.4  | 11.1   | 12.0 |
| 52°   | 0.4   | 3.1  | 5.8    | 8.4  | 11.1   | 12.4 |
| 53°   | 0.4   | 3.1  | 5.8    | 8.4  | 11.1   | 12.0 |
| 54°   | 0.4   | 3.1  | 5.3    | 8.4  | 11.1   | 12.0 |
| 55°   | 0.4   | 3.1  | 5.3    | 8.4  | 11.1   | 12.0 |
| 56°   | 0.4   | 2.7  | 5.3    | 8.0  | 11.1   | 12.0 |
| 57°   | 0.9   | 2.7  | 5.3    | 8.0  | 11.1   | 11.5 |
| 58°   | 0.9   | 2.7  | 5.3    | 8.0  | 10.6   | 11.5 |
| 59°   | 0.9   | 2.7  | 5.3    | 8.0  | 10.6   | 11.5 |
| 60°   | 0.9   | 2.7  | 4.9    | 8.0  | 10.6   | 11.5 |
| 62.5° | 0.9   | 2.7  | 4.9    | 7.5  | 10.2   | 11.1 |
| 65°   | 0.9   | 2.7  | 4.4    | 7.1  | 10.2   | 10.6 |





TEST NUMBER: P1344517

CATALOG NUMBER: P3A13R259735DE010 E3A451WH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.9   | 2.2 | 4.4    | 6.7  | 9.8    | 10.2 |
| 70°   | 1.3   | 2.2 | 4.0    | 6.7  | 9.3    | 9.8  |
| 72.5° | 1.3   | 2.2 | 4.0    | 5.8  | 8.4    | 9.3  |
| 75°   | 1.3   | 2.2 | 3.5    | 5.3  | 8.0    | 8.4  |
| 77.5° | 1.3   | 2.2 | 3.1    | 4.9  | 7.1    | 7.5  |
| 80°   | 1.8   | 2.2 | 2.7    | 4.0  | 6.2    | 6.7  |
| 82.5° | 1.8   | 2.2 | 2.2    | 3.1  | 4.9    | 5.3  |
| 85°   | 1.3   | 1.8 | 1.8    | 2.2  | 3.1    | 3.5  |
| 87.5° | 1.3   | 1.8 | 1.3    | 0.9  | 1.8    | 1.8  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)