

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: P1340453

Luminaire Tested: P3A09R209730DE010 E3A451LI

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1340453  
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: P3A09R209730DE010 E3A451LI  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3A451LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

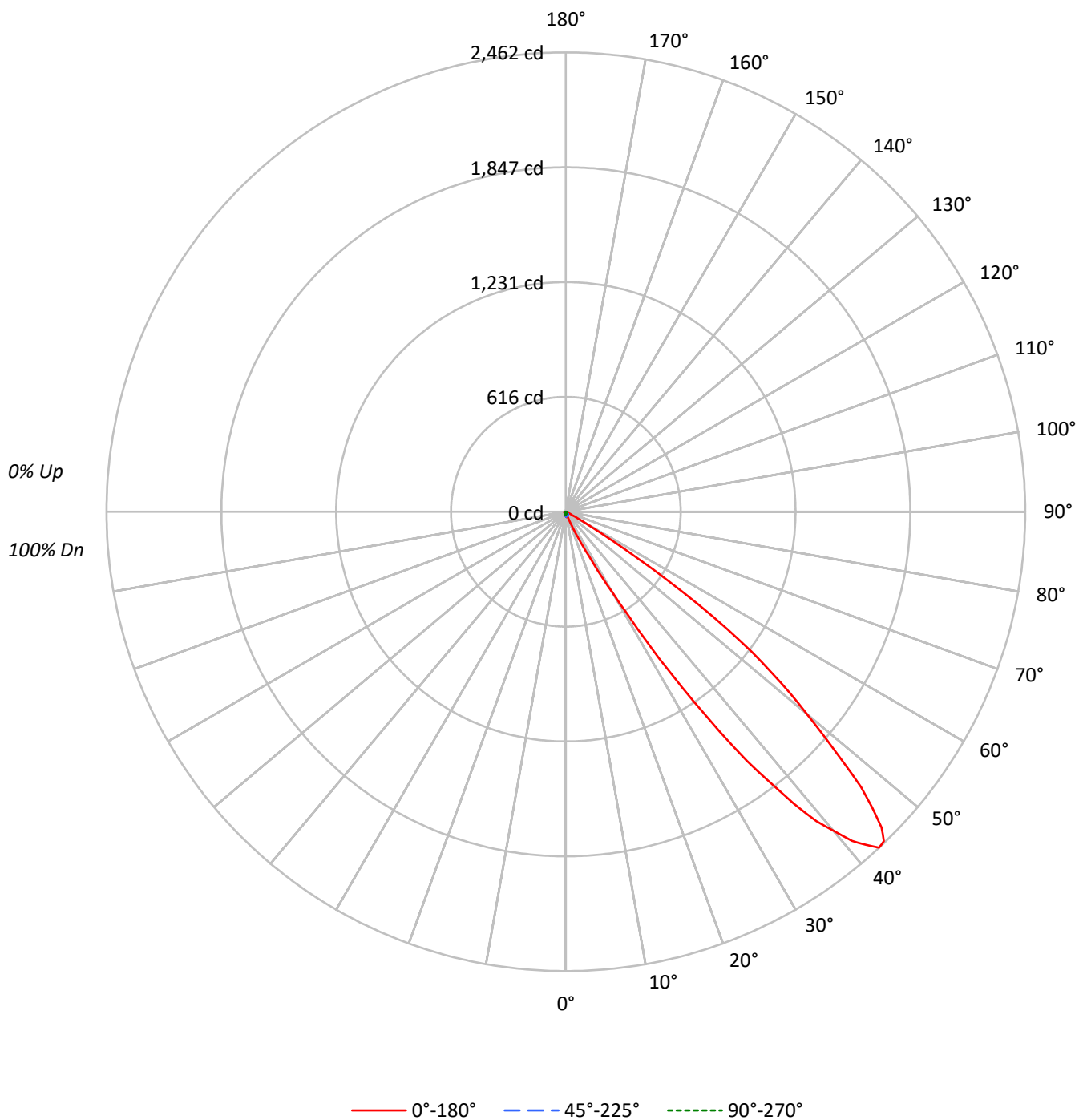
Lumens per Lamp: N/A  
Luminaire Lumens: 342.0 lumens  
Efficiency: N/A  
Efficacy: 30.8 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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: P1340453

CATALOG NUMBER: P3A09R209730DE010 E3A451LI

### Luminous Intensity Polar Plot



TEST NUMBER: P1340453

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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°  | 5219   | 5219 | 5219 | 5219 | 5219 |
| 5°  | 6075   | 5657 | 4887 | 4248 | 4094 |
| 10° | 6012   | 5144 | 3874 | 3295 | 3229 |
| 15° | 5244   | 3950 | 2838 | 2633 | 2770 |
| 20° | 7794   | 3290 | 2100 | 2240 | 2474 |
| 25° | 33583  | 3411 | 1621 | 2032 | 2419 |
| 30° | 127032 | 4153 | 1393 | 1950 | 2355 |
| 35° | 385102 | 4979 | 1285 | 1981 | 2490 |
| 40° | 638568 | 4981 | 1116 | 2118 | 2662 |
| 45° | 742248 | 3380 | 992  | 2202 | 2884 |
| 50° | 576186 | 1876 | 989  | 2286 | 3275 |
| 55° | 333484 | 1223 | 994  | 2561 | 3555 |
| 60° | 56399  | 263  | 833  | 2675 | 3947 |
| 65° | 4358   | 0    | 986  | 3009 | 4514 |
| 70° | 641    | 0    | 1218 | 3270 | 5129 |
| 75° | 508    | 254  | 1356 | 3813 | 6015 |
| 80° | 379    | 379  | 2020 | 4041 | 6945 |
| 85° | 755    | 755  | 3271 | 4026 | 7296 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 742248 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.0    | 0.6       |
| 10°-20°   | 4.3    | 1.3       |
| 20°-30°   | 13.7   | 4.0       |
| 30°-40°   | 87.2   | 25.5      |
| 40°-50°   | 159.6  | 46.7      |
| 50°-60°   | 65.6   | 19.2      |
| 60°-70°   | 5.5    | 1.6       |
| 70°-80°   | 2.7    | 0.8       |
| 80°-90°   | 1.3    | 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°    | 20.0   | 5.8       |
| 0°-40°    | 107.2  | 31.3      |
| 0°-60°    | 332.4  | 97.2      |
| 0°-90°    | 342.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 342.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 24   | 24  | 24  | 24   | 24   |      |
| 5°  | 28   | 26  | 22  | 19   | 19   | 3    |
| 15° | 23   | 17  | 12  | 12   | 12   | 7    |
| 25° | 139  | 14  | 7   | 8    | 10   | 91   |
| 35° | 1439 | 19  | 5   | 7    | 9    | 911  |
| 45° | 2394 | 11  | 3   | 7    | 9    | 1719 |
| 55° | 872  | 3   | 3   | 7    | 9    | 762  |
| 65° | 8    | 0   | 2   | 6    | 9    | 27   |
| 75° | 1    | 0   | 2   | 4    | 7    | 1    |
| 85° | 0    | 0   | 1   | 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°    | 23.8   | 23.8   | 23.8   | 23.8   | 23.8   | 23.8   | 23.8   | 23.8  | 23.8  | 23.8  | 23.8 |
| 2.5°  | 26.0   | 26.0   | 26.0   | 25.7   | 25.7   | 26.0   | 25.7   | 25.7  | 25.7  | 25.7  | 25.4 |
| 5°    | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.3  | 27.3  | 27.0  | 25.7 |
| 7.5°  | 28.3   | 28.3   | 28.3   | 28.3   | 28.0   | 28.0   | 28.0   | 28.0  | 27.6  | 27.3  | 25.1 |
| 10°   | 27.0   | 27.0   | 27.0   | 26.7   | 26.7   | 26.7   | 26.4   | 26.4  | 26.0  | 25.7  | 23.1 |
| 12.5° | 24.4   | 24.4   | 24.4   | 24.4   | 24.1   | 24.1   | 23.8   | 23.8  | 23.5  | 23.1  | 20.2 |
| 15°   | 23.1   | 23.1   | 23.1   | 22.8   | 22.8   | 22.5   | 22.2   | 21.9  | 21.5  | 20.9  | 17.4 |
| 17.5° | 25.1   | 25.1   | 24.7   | 24.7   | 24.1   | 23.5   | 23.1   | 22.2  | 21.5  | 20.6  | 15.4 |
| 20°   | 33.4   | 33.7   | 32.5   | 31.5   | 30.9   | 28.9   | 28.0   | 26.4  | 25.1  | 23.5  | 14.1 |
| 22.5° | 67.5   | 66.2   | 64.0   | 60.4   | 56.2   | 52.7   | 46.3   | 41.1  | 37.6  | 32.8  | 13.8 |
| 25°   | 138.8  | 137.6  | 131.5  | 126.3  | 113.5  | 103.5  | 89.7   | 78.4  | 66.9  | 55.6  | 14.1 |
| 27.5° | 263.9  | 255.2  | 253.6  | 230.1  | 212.1  | 186.4  | 159.7  | 137.2 | 116.7 | 93.8  | 15.1 |
| 30°   | 501.7  | 491.7  | 456.7  | 421.4  | 372.8  | 317.9  | 265.5  | 216.6 | 175.8 | 138.8 | 16.4 |
| 31°   | 636.7  | 646.3  | 605.2  | 534.2  | 462.5  | 392.1  | 320.4  | 258.4 | 205.7 | 159.7 | 17.0 |
| 32°   | 836.9  | 794.8  | 751.4  | 678.5  | 574.3  | 484.3  | 394.4  | 305.0 | 235.6 | 182.2 | 17.7 |
| 33°   | 1026.2 | 1001.5 | 935.3  | 844.3  | 719.3  | 593.0  | 476.3  | 360.0 | 272.2 | 209.6 | 18.0 |
| 34°   | 1228.1 | 1200.7 | 1147.1 | 1016.6 | 879.3  | 713.8  | 558.3  | 423.3 | 315.9 | 236.2 | 18.3 |
| 35°   | 1438.6 | 1427.0 | 1323.5 | 1210.4 | 1041.7 | 842.1  | 656.9  | 492.7 | 358.7 | 260.7 | 18.6 |
| 36°   | 1650.4 | 1613.1 | 1532.1 | 1366.9 | 1190.8 | 960.7  | 760.4  | 557.3 | 402.1 | 289.6 | 18.6 |
| 37°   | 1809.8 | 1801.4 | 1694.1 | 1533.1 | 1326.1 | 1087.3 | 849.8  | 629.0 | 445.8 | 314.3 | 18.6 |
| 38°   | 1985.6 | 1952.5 | 1843.5 | 1679.6 | 1453.4 | 1203.3 | 943.3  | 691.3 | 487.2 | 336.8 | 18.3 |
| 39°   | 2133.8 | 2084.6 | 1974.7 | 1812.7 | 1564.6 | 1291.4 | 1017.6 | 751.8 | 523.9 | 355.5 | 18.0 |
| 40°   | 2230.8 | 2196.8 | 2082.0 | 1899.8 | 1665.5 | 1374.6 | 1092.8 | 801.6 | 551.2 | 369.6 | 17.4 |
| 41°   | 2337.9 | 2281.3 | 2167.8 | 1984.6 | 1738.8 | 1447.9 | 1140.0 | 834.4 | 572.4 | 378.9 | 16.7 |
| 42°   | 2401.8 | 2355.5 | 2220.9 | 2041.5 | 1791.2 | 1489.7 | 1178.6 | 859.4 | 585.3 | 383.8 | 15.4 |
| 43°   | 2461.6 | 2398.6 | 2267.5 | 2074.6 | 1825.9 | 1519.3 | 1196.2 | 871.0 | 588.2 | 383.8 | 13.8 |
| 44°   | 2453.6 | 2393.8 | 2257.8 | 2079.1 | 1833.6 | 1527.9 | 1203.6 | 871.3 | 583.7 | 378.9 | 12.2 |
| 45°   | 2393.5 | 2334.0 | 2211.6 | 2039.9 | 1805.9 | 1510.9 | 1188.9 | 858.5 | 571.1 | 370.6 | 10.9 |
| 46°   | 2283.2 | 2224.1 | 2130.2 | 1974.4 | 1754.5 | 1472.3 | 1154.5 | 830.5 | 550.2 | 357.1 | 9.6  |
| 47°   | 2163.3 | 2105.8 | 2009.7 | 1868.6 | 1666.8 | 1403.6 | 1104.7 | 791.3 | 521.0 | 337.5 | 8.7  |
| 48°   | 1989.5 | 1953.5 | 1857.0 | 1736.5 | 1545.0 | 1295.9 | 1017.2 | 727.3 | 481.8 | 312.1 | 7.4  |
| 49°   | 1835.8 | 1797.9 | 1713.4 | 1583.9 | 1386.2 | 1170.5 | 912.8  | 649.5 | 430.7 | 283.8 | 6.4  |
| 50°   | 1689.0 | 1655.9 | 1577.8 | 1431.5 | 1242.9 | 1019.2 | 771.7  | 551.5 | 366.4 | 248.8 | 5.5  |
| 51°   | 1545.3 | 1520.5 | 1440.8 | 1306.5 | 1114.9 | 902.8  | 668.5  | 459.3 | 302.8 | 206.3 | 5.1  |
| 52°   | 1401.0 | 1398.1 | 1311.6 | 1175.7 | 990.6  | 786.8  | 568.2  | 387.6 | 256.8 | 173.2 | 4.8  |
| 53°   | 1245.7 | 1227.1 | 1151.6 | 1029.4 | 851.7  | 665.9  | 481.8  | 326.9 | 221.1 | 147.5 | 4.2  |
| 54°   | 1069.0 | 1048.1 | 967.1  | 856.9  | 695.8  | 545.4  | 388.3  | 264.2 | 184.2 | 124.7 | 3.9  |
| 55°   | 872.3  | 836.6  | 777.8  | 664.7  | 543.5  | 416.2  | 299.9  | 209.2 | 147.2 | 103.8 | 3.2  |
| 56°   | 661.8  | 626.1  | 593.0  | 509.7  | 398.9  | 310.5  | 223.4  | 160.4 | 115.1 | 82.0  | 2.9  |
| 57°   | 460.2  | 458.3  | 404.0  | 340.0  | 266.8  | 211.5  | 153.0  | 113.1 | 81.3  | 63.6  | 2.2  |
| 58°   | 298.6  | 288.6  | 253.9  | 216.9  | 174.5  | 132.1  | 98.3   | 76.8  | 55.3  | 43.4  | 1.9  |
| 59°   | 209.2  | 189.3  | 170.7  | 144.6  | 109.9  | 83.2   | 63.3   | 49.2  | 38.2  | 30.2  | 1.3  |
| 60°   | 128.6  | 124.4  | 111.8  | 88.1   | 71.4   | 58.8   | 47.2   | 36.3  | 28.0  | 21.5  | 0.6  |
| 62.5° | 36.6   | 37.3   | 33.7   | 29.9   | 25.7   | 22.2   | 19.9   | 17.0  | 14.1  | 11.2  | 0.0  |
| 65°   | 8.4    | 8.0    | 8.7    | 8.0    | 7.4    | 7.4    | 6.4    | 5.8   | 5.1   | 4.8   | 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° | 2.6 | 2.6  | 2.2 | 2.2  | 2.2 | 1.9   | 1.9 | 1.6   | 1.6 | 1.3   | 0.0 |
| 70°   | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 0.6   | 0.6 | 0.6   | 0.3 | 0.3   | 0.0 |
| 72.5° | 1.0 | 1.0  | 1.0 | 0.6  | 0.6 | 0.6   | 0.6 | 0.6   | 0.3 | 0.3   | 0.3 |
| 75°   | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.6   | 0.6 | 0.3   | 0.3 | 0.3   | 0.3 |
| 77.5° | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.3   | 0.6 | 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°    | 23.8  | 23.8 | 23.8   | 23.8 | 23.8   | 23.8 |
| 2.5°  | 24.7  | 23.5 | 22.5   | 21.5 | 21.2   | 21.2 |
| 5°    | 24.1  | 22.2 | 20.2   | 19.3 | 18.6   | 18.6 |
| 7.5°  | 22.2  | 19.9 | 18.0   | 17.0 | 16.7   | 16.7 |
| 10°   | 19.9  | 17.4 | 15.4   | 14.8 | 14.8   | 14.5 |
| 12.5° | 17.4  | 14.8 | 13.5   | 13.2 | 13.2   | 13.2 |
| 15°   | 14.5  | 12.5 | 11.6   | 11.6 | 11.9   | 12.2 |
| 17.5° | 12.2  | 10.3 | 10.0   | 10.6 | 11.2   | 11.2 |
| 20°   | 10.3  | 9.0  | 9.0    | 9.6  | 10.3   | 10.6 |
| 22.5° | 8.7   | 7.7  | 8.0    | 9.0  | 10.0   | 10.3 |
| 25°   | 7.7   | 6.7  | 7.4    | 8.4  | 9.3    | 10.0 |
| 27.5° | 6.4   | 6.1  | 6.7    | 8.0  | 9.3    | 9.6  |
| 30°   | 5.5   | 5.5  | 6.4    | 7.7  | 9.0    | 9.3  |
| 31°   | 5.1   | 5.1  | 6.4    | 7.7  | 9.0    | 9.3  |
| 32°   | 4.8   | 5.1  | 6.1    | 7.7  | 9.0    | 9.3  |
| 33°   | 4.5   | 4.8  | 6.1    | 7.4  | 9.0    | 9.3  |
| 34°   | 4.2   | 4.8  | 6.1    | 7.4  | 9.0    | 9.3  |
| 35°   | 3.9   | 4.8  | 6.1    | 7.4  | 9.0    | 9.3  |
| 36°   | 3.5   | 4.5  | 5.8    | 7.4  | 9.0    | 9.3  |
| 37°   | 3.2   | 4.5  | 5.8    | 7.4  | 9.0    | 9.3  |
| 38°   | 2.9   | 4.2  | 5.8    | 7.4  | 9.0    | 9.3  |
| 39°   | 2.9   | 4.2  | 5.5    | 7.4  | 8.7    | 9.3  |
| 40°   | 2.6   | 3.9  | 5.5    | 7.4  | 8.7    | 9.3  |
| 41°   | 2.2   | 3.9  | 5.5    | 7.1  | 8.7    | 9.3  |
| 42°   | 1.9   | 3.5  | 5.1    | 7.1  | 8.7    | 9.3  |
| 43°   | 1.6   | 3.5  | 5.1    | 7.1  | 8.7    | 9.3  |
| 44°   | 1.6   | 3.2  | 5.1    | 7.1  | 8.7    | 9.3  |
| 45°   | 1.3   | 3.2  | 5.1    | 7.1  | 8.7    | 9.3  |
| 46°   | 1.0   | 3.2  | 5.1    | 7.1  | 8.7    | 9.3  |
| 47°   | 1.0   | 2.9  | 4.8    | 7.1  | 8.7    | 9.3  |
| 48°   | 0.6   | 2.9  | 4.8    | 7.1  | 8.7    | 9.3  |
| 49°   | 0.6   | 2.9  | 4.8    | 7.1  | 8.7    | 9.6  |
| 50°   | 0.6   | 2.9  | 4.8    | 6.7  | 8.7    | 9.6  |
| 51°   | 0.3   | 2.9  | 4.8    | 6.7  | 8.7    | 9.6  |
| 52°   | 0.3   | 2.9  | 4.5    | 6.7  | 9.0    | 9.6  |
| 53°   | 0.3   | 2.6  | 4.5    | 6.7  | 9.0    | 9.6  |
| 54°   | 0.3   | 2.6  | 4.5    | 6.7  | 9.0    | 9.3  |
| 55°   | 0.3   | 2.6  | 4.5    | 6.7  | 8.7    | 9.3  |
| 56°   | 0.3   | 2.2  | 4.5    | 6.7  | 8.7    | 9.3  |
| 57°   | 0.3   | 2.2  | 4.2    | 6.4  | 8.7    | 9.0  |
| 58°   | 0.3   | 2.2  | 4.2    | 6.4  | 8.7    | 9.0  |
| 59°   | 0.3   | 2.2  | 4.2    | 6.4  | 8.4    | 9.0  |
| 60°   | 0.6   | 1.9  | 3.9    | 6.1  | 8.4    | 9.0  |
| 62.5° | 0.6   | 1.9  | 3.9    | 6.1  | 8.0    | 8.7  |
| 65°   | 0.6   | 1.9  | 3.5    | 5.8  | 8.0    | 8.7  |





TEST NUMBER: P1340453

CATALOG NUMBER: P3A09R209730DE010 E3A451LI

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.6   | 1.6 | 3.2    | 5.5  | 7.7    | 8.4  |
| 70°   | 0.6   | 1.9 | 3.2    | 5.1  | 7.4    | 8.0  |
| 72.5° | 1.0   | 1.6 | 2.9    | 4.8  | 7.1    | 7.7  |
| 75°   | 1.0   | 1.6 | 2.9    | 4.5  | 6.7    | 7.1  |
| 77.5° | 1.3   | 1.6 | 2.6    | 3.9  | 6.1    | 6.4  |
| 80°   | 1.3   | 1.6 | 2.2    | 3.2  | 5.1    | 5.5  |
| 82.5° | 1.3   | 1.6 | 1.6    | 2.6  | 3.9    | 4.2  |
| 85°   | 1.0   | 1.3 | 1.3    | 1.6  | 2.6    | 2.9  |
| 87.5° | 1.0   | 1.3 | 1.0    | 0.6  | 1.3    | 1.3  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)