

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: P1334052

Luminaire Tested: P3A02R159040DE010 E3CA451MB

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1334052  
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: P3A02R159040DE010 E3CA451MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3CA451MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

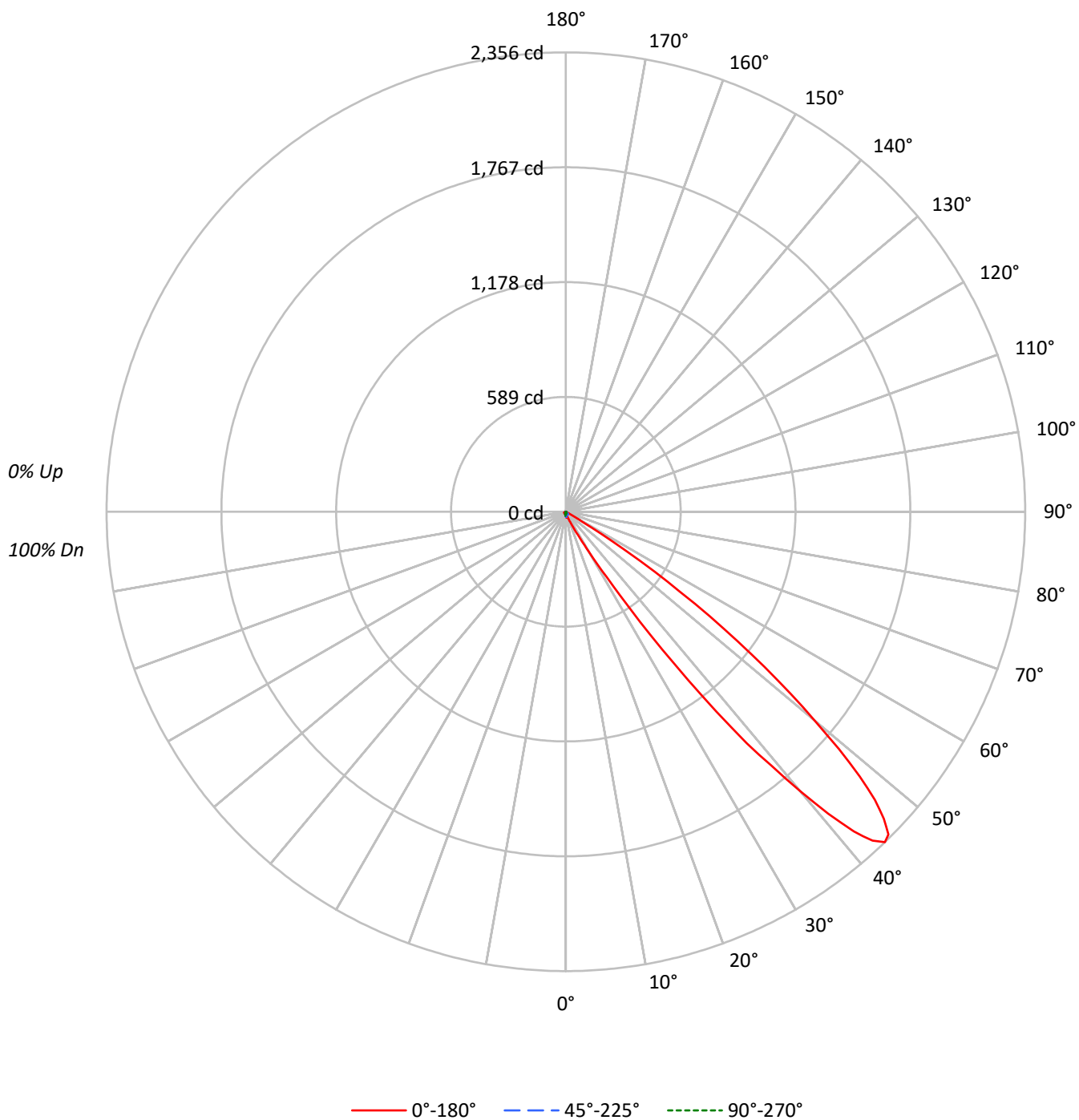
Lumens per Lamp: N/A  
Luminaire Lumens: 263.0 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.48 / 1.09  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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: P1334052

CATALOG NUMBER: P3A02R159040DE010 E3CA451MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1334052

CATALOG NUMBER: P3A02R159040DE010 E3CA451MB

**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°  | 5109   | 5109 | 5109 | 5109 | 5109 |
| 5°  | 6339   | 5657 | 4622 | 4050 | 3984 |
| 10° | 6257   | 4854 | 3563 | 3162 | 3206 |
| 15° | 5176   | 3451 | 2565 | 2611 | 2792 |
| 20° | 8984   | 2754 | 1960 | 2264 | 2567 |
| 25° | 20058  | 3291 | 1597 | 2105 | 2419 |
| 30° | 59959  | 4051 | 1393 | 2051 | 2532 |
| 35° | 230804 | 4551 | 1258 | 2115 | 2677 |
| 40° | 535747 | 3979 | 1202 | 2176 | 2863 |
| 45° | 725626 | 3008 | 1054 | 2357 | 3101 |
| 50° | 568954 | 1774 | 1058 | 2490 | 3411 |
| 55° | 273080 | 803  | 994  | 2714 | 3708 |
| 60° | 24954  | 132  | 921  | 2895 | 4122 |
| 65° | 2698   | 0    | 830  | 3009 | 4514 |
| 70° | 641    | 0    | 1026 | 3206 | 4873 |
| 75° | 678    | 254  | 1356 | 3558 | 5592 |
| 80° | 631    | 631  | 1642 | 3662 | 5935 |
| 85° | 755    | 755  | 2516 | 3271 | 6542 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 725626 cd/sqm

TEST NUMBER: P1334052

CATALOG NUMBER: P3A02R159040DE010 E3CA451MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.0    | 0.8       |
| 10°-20°   | 4.1    | 1.6       |
| 20°-30°   | 9.9    | 3.8       |
| 30°-40°   | 54.4   | 20.7      |
| 40°-50°   | 131.7  | 50.1      |
| 50°-60°   | 52.6   | 20.0      |
| 60°-70°   | 4.5    | 1.7       |
| 70°-80°   | 2.6    | 1.0       |
| 80°-90°   | 1.1    | 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°    | 16.1   | 6.1       |
| 0°-40°    | 70.5   | 26.8      |
| 0°-60°    | 254.8  | 96.9      |
| 0°-90°    | 263.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 263.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 23   | 23  | 23  | 23   | 23   |      |
| 5°  | 29   | 26  | 21  | 18   | 18   | 3    |
| 15° | 23   | 15  | 11  | 12   | 12   | 8    |
| 25° | 83   | 14  | 7   | 9    | 10   | 50   |
| 35° | 862  | 17  | 5   | 8    | 10   | 609  |
| 45° | 2340 | 10  | 3   | 8    | 10   | 1651 |
| 55° | 714  | 2   | 3   | 7    | 10   | 665  |
| 65° | 5    | 0   | 2   | 6    | 9    | 13   |
| 75° | 1    | 0   | 2   | 4    | 7    | 1    |
| 85° | 0    | 0   | 1   | 1    | 3    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1334052

CATALOG NUMBER: P3A02R159040DE010 E3CA451MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°   | 17.5° | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|------|
| 0°    | 23.3   | 23.3   | 23.3   | 23.3   | 23.3   | 23.3   | 23.3  | 23.3  | 23.3  | 23.3  | 23.3 |
| 2.5°  | 26.2   | 26.2   | 26.5   | 26.2   | 26.2   | 26.2   | 26.2  | 26.0  | 26.0  | 26.0  | 25.2 |
| 5°    | 28.8   | 28.8   | 28.8   | 28.8   | 28.6   | 28.6   | 28.6  | 28.3  | 28.3  | 28.1  | 25.7 |
| 7.5°  | 29.9   | 29.9   | 29.6   | 29.6   | 29.4   | 29.4   | 29.1  | 28.8  | 28.6  | 28.3  | 24.7 |
| 10°   | 28.1   | 28.1   | 28.1   | 27.8   | 27.8   | 27.5   | 27.3  | 27.0  | 26.7  | 26.2  | 21.8 |
| 12.5° | 24.9   | 24.9   | 25.2   | 24.9   | 24.7   | 24.4   | 23.9  | 23.6  | 23.3  | 22.8  | 18.1 |
| 15°   | 22.8   | 22.8   | 22.8   | 22.6   | 22.3   | 21.8   | 21.5  | 21.0  | 20.7  | 19.9  | 15.2 |
| 17.5° | 29.1   | 29.1   | 28.8   | 28.3   | 27.3   | 26.5   | 25.2  | 24.1  | 22.8  | 21.2  | 13.1 |
| 20°   | 38.5   | 38.5   | 38.0   | 37.5   | 36.2   | 34.9   | 32.8  | 30.9  | 28.8  | 27.0  | 11.8 |
| 22.5° | 55.9   | 56.6   | 55.1   | 53.2   | 51.4   | 48.3   | 45.4  | 42.5  | 38.8  | 35.7  | 12.1 |
| 25°   | 82.9   | 83.7   | 82.9   | 78.7   | 75.3   | 71.1   | 65.6  | 59.8  | 53.5  | 47.7  | 13.6 |
| 27.5° | 134.3  | 134.8  | 133.5  | 123.3  | 117.7  | 106.7  | 97.0  | 87.6  | 77.1  | 66.6  | 14.9 |
| 30°   | 236.8  | 237.1  | 228.7  | 208.2  | 190.1  | 166.0  | 145.5 | 125.9 | 109.4 | 92.6  | 16.0 |
| 31°   | 311.8  | 304.5  | 286.6  | 262.0  | 233.1  | 200.6  | 172.6 | 147.1 | 122.5 | 104.4 | 16.3 |
| 32°   | 396.0  | 394.9  | 365.3  | 322.5  | 284.0  | 243.4  | 201.1 | 168.6 | 140.3 | 115.6 | 16.5 |
| 33°   | 507.4  | 508.0  | 461.3  | 410.9  | 347.7  | 293.2  | 237.8 | 193.3 | 159.2 | 129.0 | 17.0 |
| 34°   | 681.6  | 640.6  | 585.8  | 517.7  | 431.6  | 349.6  | 277.7 | 221.9 | 176.2 | 141.9 | 17.0 |
| 35°   | 862.2  | 821.1  | 760.7  | 657.4  | 539.4  | 424.6  | 325.2 | 252.5 | 196.7 | 155.8 | 17.0 |
| 36°   | 1064.7 | 1029.8 | 938.5  | 806.6  | 656.1  | 495.4  | 375.5 | 287.9 | 216.9 | 168.4 | 16.8 |
| 37°   | 1283.4 | 1232.2 | 1131.0 | 987.1  | 785.7  | 595.0  | 436.9 | 323.1 | 237.1 | 182.0 | 16.3 |
| 38°   | 1505.5 | 1459.3 | 1331.6 | 1157.2 | 940.4  | 700.2  | 498.2 | 356.9 | 255.7 | 192.2 | 15.5 |
| 39°   | 1673.9 | 1648.7 | 1522.0 | 1327.2 | 1063.9 | 799.8  | 561.4 | 393.1 | 275.3 | 202.4 | 14.7 |
| 40°   | 1871.6 | 1830.9 | 1710.8 | 1469.8 | 1210.0 | 901.3  | 623.3 | 425.1 | 291.6 | 210.6 | 13.9 |
| 41°   | 2052.0 | 2000.6 | 1849.0 | 1616.2 | 1326.9 | 992.6  | 682.1 | 458.1 | 304.7 | 215.3 | 13.4 |
| 42°   | 2206.7 | 2146.9 | 1988.5 | 1741.5 | 1424.7 | 1065.5 | 729.0 | 481.7 | 317.0 | 219.2 | 12.6 |
| 43°   | 2306.9 | 2255.2 | 2099.5 | 1835.7 | 1508.4 | 1132.3 | 772.8 | 506.4 | 324.6 | 221.9 | 11.5 |
| 44°   | 2355.7 | 2303.5 | 2152.7 | 1894.7 | 1559.8 | 1172.5 | 801.1 | 523.4 | 333.0 | 225.3 | 10.8 |
| 45°   | 2339.9 | 2287.0 | 2141.2 | 1895.7 | 1575.8 | 1186.9 | 813.2 | 531.0 | 337.5 | 228.4 | 9.7  |
| 46°   | 2267.8 | 2230.6 | 2083.7 | 1846.4 | 1545.4 | 1171.4 | 806.4 | 525.3 | 335.9 | 228.4 | 8.7  |
| 47°   | 2166.6 | 2124.1 | 1984.3 | 1761.7 | 1471.7 | 1131.5 | 778.8 | 507.7 | 326.2 | 223.2 | 7.6  |
| 48°   | 2028.7 | 1992.5 | 1845.6 | 1627.2 | 1358.6 | 1044.7 | 716.7 | 479.1 | 311.0 | 212.9 | 6.6  |
| 49°   | 1855.6 | 1805.2 | 1668.6 | 1455.1 | 1211.3 | 921.5  | 635.1 | 430.9 | 286.6 | 198.5 | 5.8  |
| 50°   | 1667.8 | 1605.7 | 1500.3 | 1282.9 | 1058.9 | 790.1  | 527.9 | 364.2 | 252.3 | 179.6 | 5.2  |
| 51°   | 1484.0 | 1420.8 | 1320.4 | 1135.5 | 896.3  | 655.6  | 425.9 | 290.8 | 207.7 | 153.7 | 4.5  |
| 52°   | 1293.3 | 1240.4 | 1127.9 | 982.6  | 767.3  | 531.3  | 354.8 | 246.0 | 172.6 | 129.0 | 3.7  |
| 53°   | 1103.5 | 1067.3 | 960.3  | 813.2  | 616.5  | 434.0  | 289.8 | 210.6 | 150.5 | 110.4 | 2.9  |
| 54°   | 913.4  | 873.8  | 792.5  | 661.4  | 496.9  | 342.5  | 245.7 | 176.2 | 130.6 | 96.2  | 2.6  |
| 55°   | 714.3  | 693.9  | 618.9  | 504.3  | 376.6  | 273.2  | 199.3 | 151.6 | 109.4 | 80.5  | 2.1  |
| 56°   | 550.2  | 527.1  | 458.7  | 365.8  | 279.8  | 214.0  | 161.3 | 123.8 | 92.6  | 67.4  | 1.6  |
| 57°   | 360.3  | 336.7  | 291.3  | 255.4  | 203.8  | 156.0  | 123.3 | 97.6  | 75.3  | 55.9  | 1.3  |
| 58°   | 212.9  | 191.4  | 184.4  | 157.3  | 135.8  | 105.9  | 91.0  | 72.6  | 55.6  | 44.1  | 0.8  |
| 59°   | 97.8   | 99.4   | 88.4   | 82.9   | 75.3   | 67.4   | 55.3  | 48.5  | 38.0  | 31.7  | 0.5  |
| 60°   | 56.9   | 53.8   | 52.4   | 46.9   | 41.7   | 37.0   | 33.3  | 29.4  | 23.9  | 20.5  | 0.3  |
| 62.5° | 19.4   | 18.6   | 19.1   | 17.3   | 16.3   | 15.7   | 14.4  | 12.3  | 10.2  | 8.4   | 0.0  |
| 65°   | 5.2    | 5.2    | 5.0    | 4.7    | 4.5    | 4.2    | 3.9   | 3.4   | 3.1   | 2.6   | 0.0  |



TEST NUMBER: P1334052

CATALOG NUMBER: P3A02R159040DE010 E3CA451MB

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 1.8 | 1.8  | 1.6 | 1.6  | 1.3 | 1.3   | 1.0 | 1.0   | 0.8 | 0.8   | 0.0 |
| 70°   | 1.0 | 1.0  | 1.0 | 0.8  | 0.8 | 0.8   | 0.5 | 0.5   | 0.5 | 0.3   | 0.0 |
| 72.5° | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.5 | 0.5   | 0.5 | 0.3   | 0.3 |
| 75°   | 0.8 | 0.8  | 0.8 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 0.3 |
| 77.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 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 | 0.3   | 0.5 |
| 82.5° | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 | 0.3   | 0.5 |
| 85°   | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 | 0.3   | 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 |

TEST NUMBER: P1334052

CATALOG NUMBER: P3A02R159040DE010 E3CA451MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 23.3  | 23.3 | 23.3   | 23.3 | 23.3   | 23.3 |
| 2.5°  | 24.1  | 23.1 | 21.8   | 21.0 | 20.7   | 20.5 |
| 5°    | 23.1  | 21.0 | 19.4   | 18.4 | 18.1   | 18.1 |
| 7.5°  | 20.7  | 18.4 | 16.8   | 16.3 | 16.0   | 16.0 |
| 10°   | 18.1  | 16.0 | 14.7   | 14.2 | 14.4   | 14.4 |
| 12.5° | 15.2  | 13.4 | 12.8   | 12.8 | 13.1   | 13.4 |
| 15°   | 12.3  | 11.3 | 11.3   | 11.5 | 12.1   | 12.3 |
| 17.5° | 10.2  | 9.7  | 10.0   | 10.5 | 11.0   | 11.5 |
| 20°   | 8.4   | 8.4  | 8.9    | 9.7  | 10.5   | 11.0 |
| 22.5° | 7.1   | 7.3  | 8.1    | 8.9  | 10.0   | 10.5 |
| 25°   | 6.0   | 6.6  | 7.3    | 8.7  | 9.7    | 10.0 |
| 27.5° | 5.2   | 6.0  | 7.1    | 8.4  | 9.4    | 10.0 |
| 30°   | 4.5   | 5.5  | 6.8    | 8.1  | 9.4    | 10.0 |
| 31°   | 4.2   | 5.2  | 6.6    | 8.1  | 9.4    | 10.0 |
| 32°   | 3.9   | 5.2  | 6.6    | 8.1  | 9.4    | 10.0 |
| 33°   | 3.7   | 5.0  | 6.6    | 7.9  | 9.4    | 10.0 |
| 34°   | 3.4   | 5.0  | 6.6    | 8.1  | 9.4    | 10.0 |
| 35°   | 3.1   | 4.7  | 6.3    | 7.9  | 9.2    | 10.0 |
| 36°   | 2.9   | 4.7  | 6.3    | 7.9  | 9.4    | 10.0 |
| 37°   | 2.6   | 4.7  | 6.3    | 7.9  | 9.2    | 10.0 |
| 38°   | 2.6   | 4.5  | 6.0    | 7.9  | 9.2    | 10.0 |
| 39°   | 2.4   | 4.2  | 6.0    | 7.9  | 9.2    | 10.0 |
| 40°   | 2.1   | 4.2  | 5.8    | 7.6  | 9.2    | 10.0 |
| 41°   | 1.8   | 3.9  | 5.8    | 7.6  | 9.2    | 10.0 |
| 42°   | 1.6   | 3.9  | 5.8    | 7.6  | 9.2    | 10.0 |
| 43°   | 1.3   | 3.7  | 5.5    | 7.6  | 9.2    | 10.0 |
| 44°   | 1.3   | 3.7  | 5.5    | 7.6  | 9.2    | 10.0 |
| 45°   | 1.0   | 3.4  | 5.2    | 7.6  | 9.2    | 10.0 |
| 46°   | 1.0   | 3.4  | 5.2    | 7.3  | 9.2    | 10.0 |
| 47°   | 0.8   | 3.4  | 5.2    | 7.3  | 9.2    | 10.0 |
| 48°   | 0.8   | 3.1  | 5.2    | 7.3  | 9.2    | 10.0 |
| 49°   | 0.5   | 3.1  | 5.2    | 7.3  | 9.2    | 10.0 |
| 50°   | 0.5   | 3.1  | 5.0    | 7.3  | 9.2    | 10.0 |
| 51°   | 0.5   | 3.1  | 5.0    | 7.3  | 9.2    | 10.0 |
| 52°   | 0.5   | 2.9  | 5.0    | 7.3  | 9.2    | 10.0 |
| 53°   | 0.5   | 2.9  | 5.0    | 7.3  | 9.2    | 10.0 |
| 54°   | 0.5   | 2.9  | 4.7    | 7.3  | 9.2    | 10.0 |
| 55°   | 0.5   | 2.6  | 4.7    | 7.1  | 9.2    | 9.7  |
| 56°   | 0.5   | 2.6  | 4.7    | 7.1  | 9.2    | 9.7  |
| 57°   | 0.5   | 2.6  | 4.5    | 7.1  | 9.2    | 9.7  |
| 58°   | 0.5   | 2.4  | 4.5    | 6.8  | 8.9    | 9.7  |
| 59°   | 0.5   | 2.4  | 4.2    | 6.8  | 8.9    | 9.4  |
| 60°   | 0.5   | 2.1  | 4.2    | 6.6  | 8.7    | 9.4  |
| 62.5° | 0.5   | 1.8  | 3.7    | 6.3  | 8.4    | 8.9  |
| 65°   | 0.5   | 1.6  | 3.4    | 5.8  | 8.1    | 8.7  |



TEST NUMBER: P1334052

CATALOG NUMBER: P3A02R159040DE010 E3CA451MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.5   | 1.6 | 3.1    | 5.5  | 7.6    | 8.4  |
| 70°   | 0.5   | 1.6 | 2.9    | 5.0  | 7.3    | 7.6  |
| 72.5° | 0.8   | 1.6 | 2.6    | 4.7  | 6.8    | 7.1  |
| 75°   | 1.0   | 1.6 | 2.4    | 4.2  | 6.3    | 6.6  |
| 77.5° | 1.0   | 1.6 | 2.1    | 3.7  | 5.5    | 5.8  |
| 80°   | 1.0   | 1.3 | 1.8    | 2.9  | 4.5    | 4.7  |
| 82.5° | 1.0   | 1.3 | 1.3    | 2.4  | 3.4    | 3.7  |
| 85°   | 0.8   | 1.0 | 1.0    | 1.3  | 2.4    | 2.6  |
| 87.5° | 0.8   | 1.0 | 0.5    | 0.8  | 1.0    | 1.0  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)