

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: P1341053

Luminaire Tested: P3A09R259840DE010 E3CA301MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1341053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R259840DE010 E3CA301MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , E3CA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

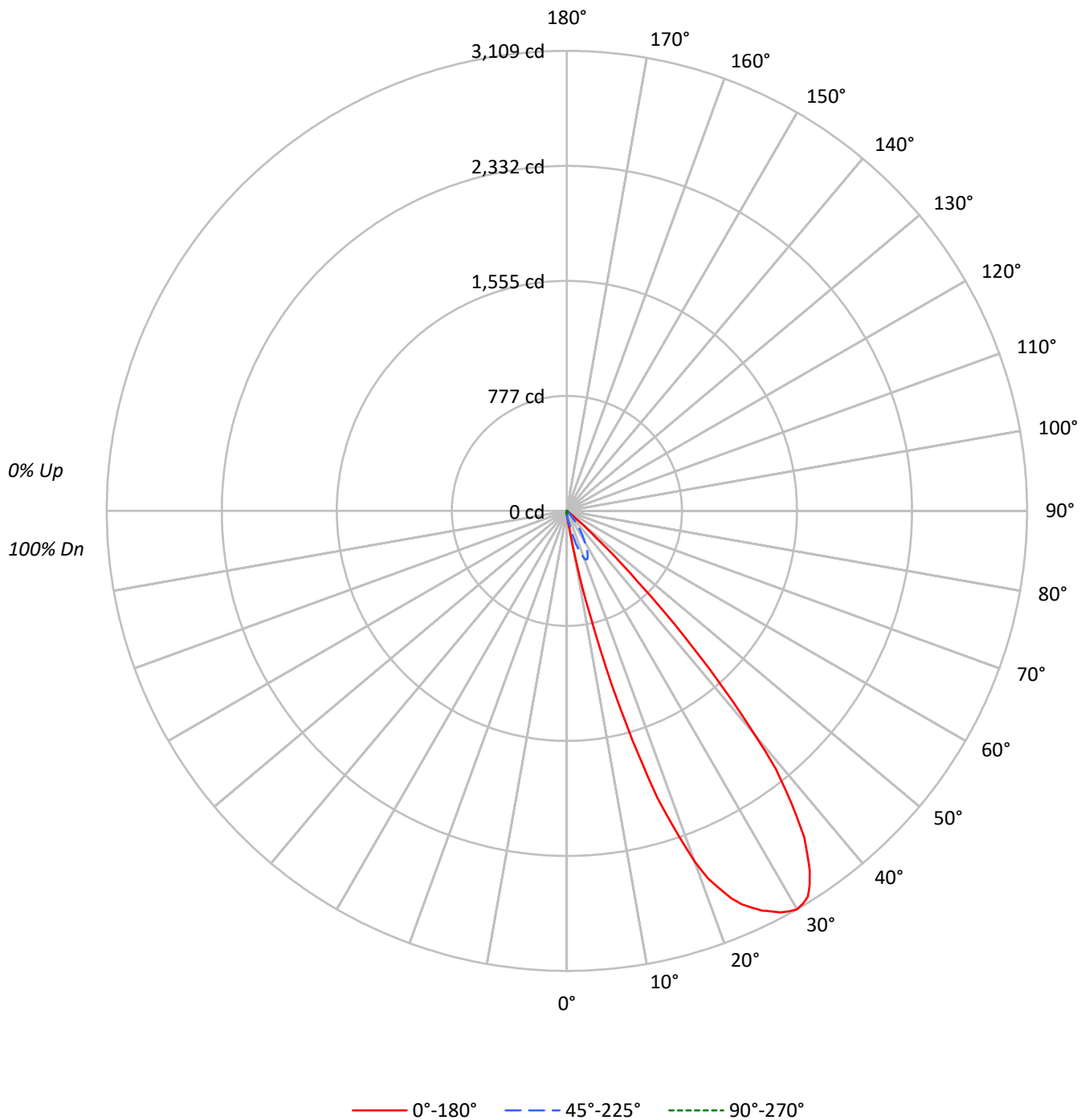
Lumens per Lamp: N/A  
Luminaire Lumens: 622.0 lumens  
Efficiency: N/A  
Efficacy: 56.5 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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: P1341053

CATALOG NUMBER: P3A09R259840DE010 E3CA301MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1341053

CATALOG NUMBER: P3A09R259840DE010 E3CA301MW

**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  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 93  | 93  | 92  |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 85  | 85  | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 77  | 77  | 75  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 69  | 69  | 68  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 63  | 63  | 61  |
| 6   | 81  | 71  | 63  | 58  | 79  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 60  | 57  | 57  | 57  | 55  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 52  | 52  | 50  |
| 8   | 71  | 60  | 52  | 48  | 70  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 47  | 47  | 45  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 42  | 42  | 42  | 41  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  | 39  | 39  | 37  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 5855   | 5855  | 5855 | 5855 | 5855 |
| 5°  | 14682  | 10852 | 5503 | 2818 | 2179 |
| 10° | 64216  | 18481 | 4520 | 1291 | 913  |
| 15° | 305382 | 49807 | 3156 | 522  | 386  |
| 20° | 587864 | 79760 | 2030 | 140  | 140  |
| 25° | 715953 | 80448 | 1113 | 0    | 0    |
| 30° | 787159 | 61579 | 430  | 0    | 0    |
| 35° | 758586 | 39137 | 161  | 0    | 0    |
| 40° | 566805 | 16946 | 0    | 0    | 172  |
| 45° | 209851 | 4497  | 186  | 186  | 527  |
| 50° | 24733  | 580   | 409  | 409  | 785  |
| 55° | 2447   | 0     | 459  | 650  | 1109 |
| 60° | 263    | 0     | 746  | 1009 | 1272 |
| 65° | 311    | 311   | 1193 | 1505 | 1816 |
| 70° | 385    | 385   | 1475 | 1475 | 2244 |
| 75° | 508    | 508   | 1440 | 1440 | 1949 |
| 80° | 0      | 758   | 2147 | 1515 | 2147 |
| 85° | 0      | 1510  | 4277 | 1510 | 1510 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 209851 cd/sqm

TEST NUMBER: P1341053

CATALOG NUMBER: P3A09R259840DE010 E3CA301MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.9    | 0.6       |
| 10°-20°   | 72.5   | 11.7      |
| 20°-30°   | 227.6  | 36.6      |
| 30°-40°   | 239.6  | 38.5      |
| 40°-50°   | 70.4   | 11.3      |
| 50°-60°   | 3.8    | 0.6       |
| 60°-70°   | 1.8    | 0.3       |
| 70°-80°   | 1.6    | 0.3       |
| 80°-90°   | 0.8    | 0.1       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 304.0  | 48.9      |
| 0°-40°    | 543.6  | 87.4      |
| 0°-60°    | 617.8  | 99.3      |
| 0°-90°    | 622.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 622.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 27   | 27  | 27  | 27   | 27   |      |
| 5°  | 67   | 49  | 25  | 13   | 10   | 12   |
| 15° | 1345 | 219 | 14  | 2    | 2    | 424  |
| 25° | 2959 | 332 | 5   | 0    | 0    | 1357 |
| 35° | 2834 | 146 | 1   | 0    | 0    | 1710 |
| 45° | 677  | 14  | 1   | 1    | 2    | 615  |
| 55° | 6    | 0   | 1   | 2    | 3    | 16   |
| 65° | 1    | 1   | 2   | 3    | 4    | 1    |
| 75° | 1    | 1   | 2   | 2    | 2    | 0    |
| 85° | 0    | 1   | 2   | 1    | 1    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1341053

CATALOG NUMBER: P3A09R259840DE010 E3CA301MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 45°   | 67.5° | 90°  | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0°    | 26.7   | 26.7   | 26.7   | 26.7   | 26.7   | 26.7   | 26.7   | 26.7  | 26.7  | 26.7 | 26.7   |
| 2.5°  | 41.2   | 41.8   | 40.0   | 41.2   | 40.0   | 39.5   | 38.9   | 36.0  | 31.3  | 26.7 | 22.1   |
| 5°    | 66.7   | 66.7   | 63.8   | 63.3   | 62.1   | 59.8   | 57.5   | 49.3  | 35.4  | 25.0 | 17.4   |
| 7.5°  | 104.5  | 103.9  | 102.7  | 99.8   | 94.0   | 88.2   | 82.4   | 64.4  | 38.9  | 23.2 | 13.3   |
| 10°   | 288.4  | 284.4  | 279.1  | 247.8  | 212.4  | 181.1  | 153.8  | 83.0  | 41.8  | 20.3 | 9.9    |
| 12.5° | 716.7  | 693.5  | 638.4  | 575.7  | 495.6  | 411.5  | 329.0  | 135.2 | 42.9  | 16.8 | 7.0    |
| 15°   | 1345.2 | 1297.0 | 1211.2 | 1085.8 | 922.2  | 738.2  | 581.5  | 219.4 | 41.8  | 13.9 | 5.2    |
| 17.5° | 2031.2 | 1984.7 | 1865.8 | 1675.4 | 1434.6 | 1152.0 | 874.6  | 290.7 | 38.9  | 11.6 | 3.5    |
| 20°   | 2519.2 | 2469.9 | 2358.5 | 2156.5 | 1896.0 | 1519.3 | 1151.4 | 341.8 | 36.6  | 8.7  | 1.7    |
| 21°   | 2662.0 | 2612.7 | 2494.9 | 2299.9 | 2025.9 | 1648.1 | 1240.2 | 350.5 | 34.8  | 7.5  | 1.2    |
| 22°   | 2752.5 | 2723.5 | 2597.0 | 2407.8 | 2128.7 | 1751.4 | 1316.2 | 354.6 | 33.7  | 7.0  | 1.2    |
| 23°   | 2843.6 | 2800.1 | 2681.7 | 2482.1 | 2207.0 | 1828.1 | 1372.5 | 351.7 | 32.5  | 5.8  | 0.6    |
| 24°   | 2911.0 | 2874.4 | 2736.9 | 2539.5 | 2261.6 | 1875.1 | 1405.6 | 344.1 | 30.8  | 5.2  | 0.6    |
| 25°   | 2959.1 | 2925.5 | 2782.1 | 2578.4 | 2298.1 | 1900.6 | 1416.0 | 332.5 | 29.0  | 4.6  | 0.6    |
| 26°   | 3005.0 | 2968.4 | 2819.8 | 2601.1 | 2317.3 | 1908.7 | 1406.1 | 319.8 | 27.3  | 4.1  | 0.0    |
| 27°   | 3038.0 | 3000.9 | 2846.0 | 2614.4 | 2318.4 | 1898.9 | 1379.5 | 302.4 | 25.5  | 3.5  | 0.0    |
| 28°   | 3073.4 | 3030.5 | 2863.9 | 2621.9 | 2311.5 | 1875.6 | 1341.2 | 283.8 | 24.4  | 2.9  | 0.0    |
| 29°   | 3094.9 | 3054.3 | 2882.5 | 2630.1 | 2297.0 | 1836.8 | 1285.4 | 261.7 | 21.5  | 1.7  | 0.0    |
| 30°   | 3108.8 | 3060.7 | 2880.8 | 2621.4 | 2277.8 | 1795.0 | 1218.7 | 243.2 | 18.6  | 1.7  | 0.0    |
| 31°   | 3097.2 | 3046.8 | 2862.2 | 2597.0 | 2247.1 | 1740.4 | 1150.2 | 219.9 | 15.1  | 1.2  | 0.0    |
| 32°   | 3072.3 | 3012.5 | 2829.7 | 2554.6 | 2191.9 | 1670.2 | 1079.4 | 200.8 | 11.0  | 1.2  | 0.0    |
| 33°   | 3011.4 | 2960.9 | 2771.1 | 2497.8 | 2120.0 | 1575.0 | 987.1  | 182.2 | 7.5   | 0.6  | 0.0    |
| 34°   | 2934.7 | 2884.3 | 2691.0 | 2421.7 | 2023.6 | 1452.0 | 875.1  | 163.1 | 6.4   | 0.6  | 0.0    |
| 35°   | 2833.8 | 2783.9 | 2600.5 | 2315.5 | 1896.0 | 1304.0 | 759.7  | 146.2 | 5.2   | 0.6  | 0.0    |
| 36°   | 2727.6 | 2661.4 | 2486.2 | 2202.4 | 1724.8 | 1135.7 | 636.0  | 127.1 | 4.1   | 0.6  | 0.0    |
| 37°   | 2571.5 | 2526.8 | 2332.4 | 2030.0 | 1539.6 | 974.4  | 546.1  | 109.7 | 2.9   | 0.6  | 0.0    |
| 38°   | 2409.5 | 2368.3 | 2178.6 | 1856.5 | 1333.0 | 814.8  | 457.3  | 92.9  | 2.3   | 0.0  | 0.0    |
| 39°   | 2242.4 | 2173.9 | 1986.5 | 1634.2 | 1116.6 | 682.5  | 384.8  | 77.8  | 1.2   | 0.0  | 0.0    |
| 40°   | 1980.1 | 1927.9 | 1727.7 | 1367.3 | 923.9  | 553.1  | 327.9  | 59.2  | 1.2   | 0.0  | 0.0    |
| 42.5° | 1312.7 | 1264.0 | 1053.9 | 741.7  | 491.0  | 323.2  | 216.5  | 23.2  | 0.0   | 0.6  | 0.0    |
| 45°   | 676.7  | 645.9  | 524.6  | 388.2  | 278.6  | 198.5  | 139.3  | 14.5  | 0.0   | 0.6  | 0.6    |
| 47.5° | 268.7  | 263.5  | 237.9  | 205.4  | 158.4  | 117.8  | 76.0   | 6.4   | 0.0   | 0.6  | 0.6    |
| 50°   | 72.5   | 73.1   | 68.5   | 63.3   | 57.5   | 54.0   | 31.9   | 1.7   | 0.0   | 1.2  | 0.6    |
| 52.5° | 30.8   | 31.3   | 30.2   | 28.4   | 25.5   | 19.2   | 12.8   | 0.6   | 0.6   | 1.2  | 1.2    |
| 55°   | 6.4    | 7.0    | 7.5    | 8.1    | 9.3    | 8.1    | 5.2    | 0.0   | 0.6   | 1.2  | 1.2    |
| 57.5° | 1.2    | 1.2    | 1.2    | 1.2    | 1.7    | 1.7    | 1.2    | 0.0   | 0.6   | 1.2  | 1.7    |
| 60°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.0    | 0.0    | 0.0   | 1.2   | 1.7  | 1.7    |
| 62.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6   | 1.2   | 1.7  | 2.3    |
| 65°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6   | 1.2   | 2.3  | 2.3    |
| 67.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6   | 1.7   | 2.3  | 2.3    |
| 70°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6   | 1.7   | 2.3  | 2.3    |
| 72.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6   | 1.7   | 2.3  | 1.7    |
| 75°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6   | 1.7   | 1.7  | 1.7    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    | 0.6    | 0.6   | 1.2   | 1.7  | 1.7    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    | 0.6    | 0.6   | 1.2   | 1.7  | 1.2    |



TEST NUMBER: P1341053

CATALOG NUMBER: P3A09R259840DE010 E3CA301MW

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 1.2   | 1.7 | 1.2    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.2   | 1.7 | 1.2    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.2   | 1.7 | 1.2    |
| 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: P1341053

CATALOG NUMBER: P3A09R259840DE010 E3CA301MW

**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 26.7 | 26.7   | 26.7 |
| 2.5°  | 18.6 | 16.8   | 16.2 |
| 5°    | 12.8 | 11.0   | 9.9  |
| 7.5°  | 8.7  | 7.0    | 6.4  |
| 10°   | 5.8  | 4.6    | 4.1  |
| 12.5° | 4.1  | 2.3    | 2.3  |
| 15°   | 2.3  | 1.7    | 1.7  |
| 17.5° | 1.2  | 0.6    | 0.6  |
| 20°   | 0.6  | 0.6    | 0.6  |
| 21°   | 0.0  | 0.0    | 0.0  |
| 22°   | 0.0  | 0.0    | 0.0  |
| 23°   | 0.0  | 0.0    | 0.0  |
| 24°   | 0.0  | 0.0    | 0.0  |
| 25°   | 0.0  | 0.0    | 0.0  |
| 26°   | 0.0  | 0.0    | 0.0  |
| 27°   | 0.0  | 0.0    | 0.0  |
| 28°   | 0.0  | 0.0    | 0.0  |
| 29°   | 0.0  | 0.0    | 0.0  |
| 30°   | 0.0  | 0.0    | 0.0  |
| 31°   | 0.0  | 0.0    | 0.0  |
| 32°   | 0.0  | 0.0    | 0.0  |
| 33°   | 0.0  | 0.0    | 0.0  |
| 34°   | 0.0  | 0.0    | 0.0  |
| 35°   | 0.0  | 0.0    | 0.0  |
| 36°   | 0.0  | 0.0    | 0.0  |
| 37°   | 0.0  | 0.0    | 0.0  |
| 38°   | 0.0  | 0.0    | 0.6  |
| 39°   | 0.0  | 0.6    | 0.6  |
| 40°   | 0.0  | 0.6    | 0.6  |
| 42.5° | 0.0  | 0.6    | 1.2  |
| 45°   | 0.6  | 1.2    | 1.7  |
| 47.5° | 1.2  | 1.7    | 2.3  |
| 50°   | 1.2  | 2.3    | 2.3  |
| 52.5° | 1.7  | 2.3    | 2.9  |
| 55°   | 1.7  | 2.9    | 2.9  |
| 57.5° | 2.3  | 2.9    | 3.5  |
| 60°   | 2.3  | 2.9    | 2.9  |
| 62.5° | 2.3  | 3.5    | 3.5  |
| 65°   | 2.9  | 3.5    | 3.5  |
| 67.5° | 2.9  | 3.5    | 3.5  |
| 70°   | 2.3  | 2.9    | 3.5  |
| 72.5° | 2.3  | 2.9    | 2.9  |
| 75°   | 1.7  | 2.3    | 2.3  |
| 77.5° | 1.7  | 1.7    | 2.3  |
| 80°   | 1.2  | 1.7    | 1.7  |





TEST NUMBER: P1341053

CATALOG NUMBER: P3A09R259840DE010 E3CA301MW

**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 1.2  | 1.2    | 1.2  |
| 85°   | 0.6  | 0.6    | 0.6  |
| 87.5° | 0.6  | 0.6    | 0.6  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)