

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: P1315771

Luminaire Tested: P3SQAS02R209827DE010 E3SQCA451MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315771  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R209827DE010 E3SQCA451MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQCA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

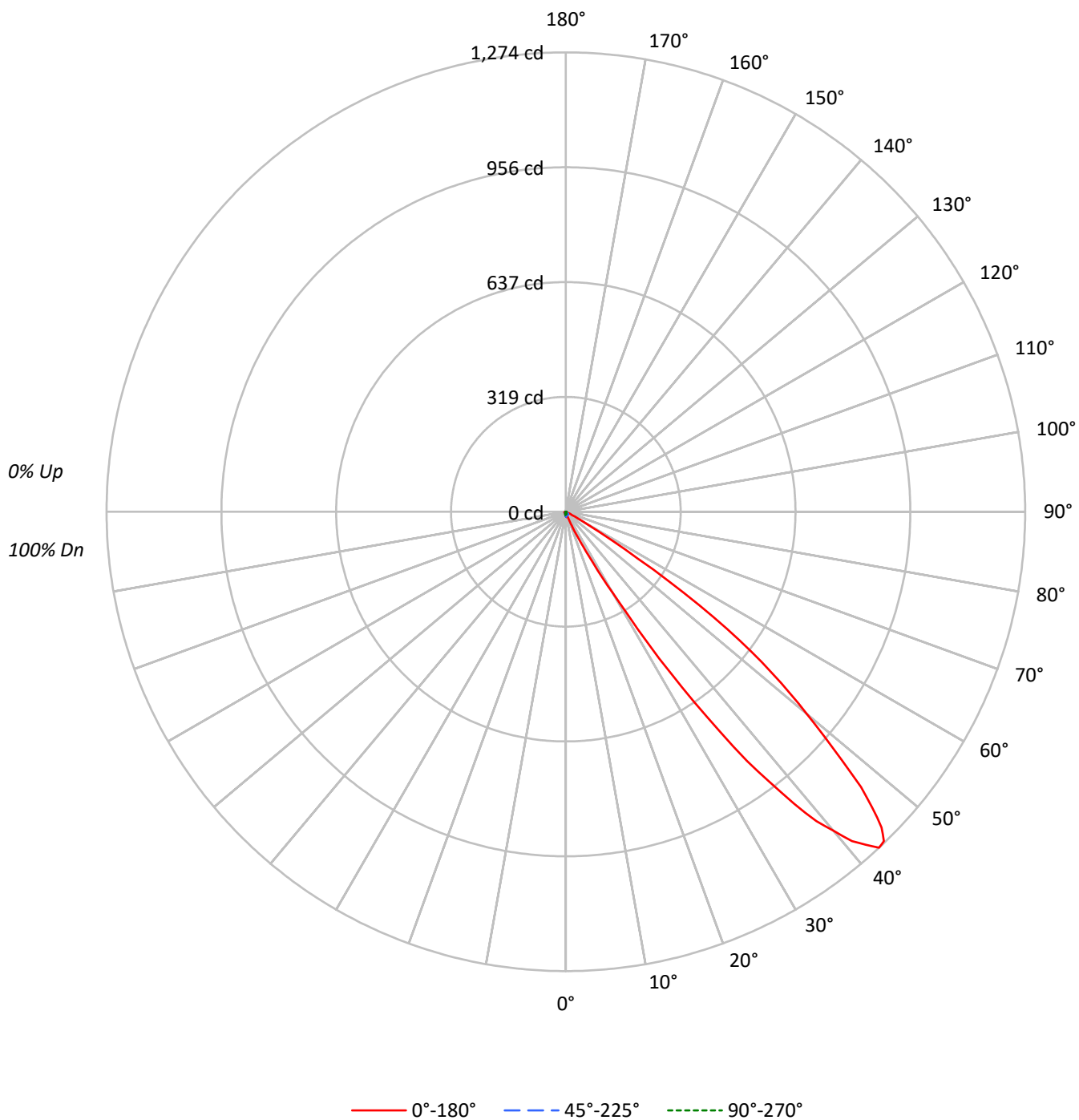
Lumens per Lamp: N/A  
Luminaire Lumens: 177.0 lumens  
Efficiency: N/A  
Efficacy: 49.2 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1315771

CATALOG NUMBER: P3SQAS02R209827DE010 E3SQCA451MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1315771

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**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  | 65  |  | 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  | 38  |  | 52  | 44  | 38  |  | 50  | 43  | 38  |  | 48  | 42  | 37  |
| 7   | 62  | 48  | 39  | 32  |  | 60  | 47  | 38  | 32  |  | 46  | 38  | 32  |  | 44  | 37  | 32  |  | 43  | 36  | 31  |
| 8   | 57  | 42  | 33  | 27  |  | 55  | 42  | 33  | 27  |  | 40  | 33  | 27  |  | 39  | 32  | 27  |  | 38  | 31  | 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  | 19  |  | 31  | 24  | 19  |  | 30  | 24  | 19  |

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

|     | 0°     | 45°  | 90°  | 135° | 180° |
|-----|--------|------|------|------|------|
| 0°  | 2118   | 2118 | 2118 | 2118 | 2118 |
| 5°  | 2472   | 2299 | 1988 | 1729 | 1660 |
| 10° | 2448   | 2099 | 1574 | 1347 | 1312 |
| 15° | 2140   | 1605 | 1159 | 1070 | 1123 |
| 20° | 3171   | 1338 | 861  | 916  | 1008 |
| 25° | 13663  | 1387 | 665  | 817  | 988  |
| 30° | 51645  | 1690 | 557  | 795  | 955  |
| 35° | 156527 | 2018 | 526  | 799  | 1009 |
| 40° | 259578 | 2023 | 450  | 854  | 1079 |
| 45° | 301697 | 1388 | 414  | 901  | 1169 |
| 50° | 234198 | 750  | 402  | 938  | 1340 |
| 55° | 135538 | 510  | 390  | 1051 | 1441 |
| 60° | 22906  | 103  | 344  | 1102 | 1619 |
| 65° | 1752   | 0    | 408  | 1223 | 1834 |
| 70° | 252    | 0    | 504  | 1360 | 2115 |
| 75° | 200    | 133  | 532  | 1530 | 2462 |
| 80° | 198    | 198  | 793  | 1686 | 2777 |
| 85° | 395    | 395  | 1383 | 1581 | 2964 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 301697 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.1    | 0.6       |
| 10°-20°   | 2.2    | 1.3       |
| 20°-30°   | 7.1    | 4.0       |
| 30°-40°   | 45.1   | 25.5      |
| 40°-50°   | 82.6   | 46.7      |
| 50°-60°   | 34.0   | 19.2      |
| 60°-70°   | 2.9    | 1.6       |
| 70°-80°   | 1.4    | 0.8       |
| 80°-90°   | 0.7    | 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°    | 10.3   | 5.8       |
| 0°-40°    | 55.5   | 31.3      |
| 0°-60°    | 172.1  | 97.2      |
| 0°-90°    | 177.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 177.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 12   | 12  | 12  | 12   | 12   |      |
| 5°  | 14   | 13  | 12  | 10   | 10   | 1    |
| 15° | 12   | 9   | 6   | 6    | 6    | 4    |
| 25° | 72   | 7   | 4   | 4    | 5    | 47   |
| 35° | 744  | 10  | 2   | 4    | 5    | 471  |
| 45° | 1239 | 6   | 2   | 4    | 5    | 889  |
| 55° | 451  | 2   | 1   | 4    | 5    | 395  |
| 65° | 4    | 0   | 1   | 3    | 4    | 14   |
| 75° | 0    | 0   | 1   | 2    | 4    | 0    |
| 85° | 0    | 0   | 1   | 1    | 2    | 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°    | 12.3   | 12.3   | 12.3   | 12.3   | 12.3  | 12.3  | 12.3  | 12.3  | 12.3  | 12.3  | 12.3 |
| 2.5°  | 13.5   | 13.5   | 13.5   | 13.3   | 13.3  | 13.5  | 13.3  | 13.3  | 13.3  | 13.3  | 13.1 |
| 5°    | 14.3   | 14.3   | 14.3   | 14.3   | 14.3  | 14.3  | 14.3  | 14.1  | 14.1  | 14.0  | 13.3 |
| 7.5°  | 14.6   | 14.6   | 14.6   | 14.6   | 14.5  | 14.5  | 14.5  | 14.5  | 14.3  | 14.1  | 13.0 |
| 10°   | 14.0   | 14.0   | 14.0   | 13.8   | 13.8  | 13.8  | 13.6  | 13.6  | 13.5  | 13.3  | 12.0 |
| 12.5° | 12.6   | 12.6   | 12.6   | 12.6   | 12.5  | 12.5  | 12.3  | 12.3  | 12.1  | 12.0  | 10.5 |
| 15°   | 12.0   | 12.0   | 12.0   | 11.8   | 11.8  | 11.6  | 11.5  | 11.3  | 11.1  | 10.8  | 9.0  |
| 17.5° | 13.0   | 13.0   | 12.8   | 12.8   | 12.5  | 12.1  | 12.0  | 11.5  | 11.1  | 10.6  | 8.0  |
| 20°   | 17.3   | 17.5   | 16.8   | 16.3   | 16.0  | 15.0  | 14.5  | 13.6  | 13.0  | 12.1  | 7.3  |
| 22.5° | 34.9   | 34.3   | 33.1   | 31.3   | 29.1  | 27.3  | 24.0  | 21.3  | 19.5  | 17.0  | 7.2  |
| 25°   | 71.9   | 71.2   | 68.0   | 65.4   | 58.7  | 53.6  | 46.4  | 40.6  | 34.6  | 28.8  | 7.3  |
| 27.5° | 136.6  | 132.1  | 131.2  | 119.1  | 109.8 | 96.5  | 82.7  | 71.0  | 60.4  | 48.6  | 7.8  |
| 30°   | 259.7  | 254.5  | 236.4  | 218.1  | 193.0 | 164.5 | 137.4 | 112.1 | 91.0  | 71.9  | 8.5  |
| 31°   | 329.5  | 334.5  | 313.2  | 276.5  | 239.4 | 202.9 | 165.8 | 133.7 | 106.5 | 82.7  | 8.8  |
| 32°   | 433.1  | 411.4  | 388.9  | 351.1  | 297.2 | 250.7 | 204.1 | 157.9 | 121.9 | 94.3  | 9.1  |
| 33°   | 531.1  | 518.3  | 484.0  | 437.0  | 372.3 | 306.9 | 246.5 | 186.3 | 140.9 | 108.5 | 9.3  |
| 34°   | 635.6  | 621.4  | 593.7  | 526.1  | 455.1 | 369.4 | 288.9 | 219.1 | 163.5 | 122.3 | 9.5  |
| 35°   | 744.5  | 738.5  | 685.0  | 626.4  | 539.1 | 435.8 | 340.0 | 255.0 | 185.6 | 134.9 | 9.6  |
| 36°   | 854.1  | 834.9  | 792.9  | 707.4  | 616.3 | 497.2 | 393.6 | 288.4 | 208.1 | 149.9 | 9.6  |
| 37°   | 936.7  | 932.3  | 876.8  | 793.4  | 686.3 | 562.7 | 439.8 | 325.5 | 230.7 | 162.7 | 9.6  |
| 38°   | 1027.6 | 1010.5 | 954.1  | 869.3  | 752.2 | 622.8 | 488.2 | 357.8 | 252.2 | 174.3 | 9.5  |
| 39°   | 1104.3 | 1078.9 | 1022.0 | 938.1  | 809.7 | 668.3 | 526.6 | 389.1 | 271.1 | 184.0 | 9.3  |
| 40°   | 1154.6 | 1136.9 | 1077.5 | 983.2  | 862.0 | 711.4 | 565.6 | 414.8 | 285.3 | 191.3 | 9.0  |
| 41°   | 1209.9 | 1180.7 | 1122.0 | 1027.1 | 899.9 | 749.4 | 590.0 | 431.8 | 296.2 | 196.1 | 8.6  |
| 42°   | 1243.0 | 1219.1 | 1149.4 | 1056.6 | 927.0 | 771.0 | 610.0 | 444.8 | 302.9 | 198.6 | 8.0  |
| 43°   | 1274.0 | 1241.4 | 1173.5 | 1073.7 | 945.0 | 786.3 | 619.1 | 450.8 | 304.4 | 198.6 | 7.2  |
| 44°   | 1269.8 | 1238.9 | 1168.5 | 1076.0 | 949.0 | 790.8 | 622.9 | 450.9 | 302.1 | 196.1 | 6.3  |
| 45°   | 1238.7 | 1207.9 | 1144.6 | 1055.8 | 934.7 | 782.0 | 615.3 | 444.3 | 295.6 | 191.8 | 5.7  |
| 46°   | 1181.7 | 1151.1 | 1102.5 | 1021.8 | 908.0 | 762.0 | 597.5 | 429.8 | 284.8 | 184.8 | 5.0  |
| 47°   | 1119.6 | 1089.8 | 1040.1 | 967.1  | 862.6 | 726.4 | 571.7 | 409.5 | 269.6 | 174.7 | 4.5  |
| 48°   | 1029.6 | 1011.0 | 961.1  | 898.7  | 799.6 | 670.7 | 526.5 | 376.4 | 249.3 | 161.5 | 3.8  |
| 49°   | 950.1  | 930.5  | 886.8  | 819.7  | 717.4 | 605.8 | 472.4 | 336.2 | 222.9 | 146.9 | 3.3  |
| 50°   | 874.1  | 857.0  | 816.6  | 740.9  | 643.2 | 527.5 | 399.4 | 285.4 | 189.6 | 128.7 | 2.8  |
| 51°   | 799.8  | 786.9  | 745.7  | 676.2  | 577.0 | 467.2 | 346.0 | 237.7 | 156.7 | 106.8 | 2.7  |
| 52°   | 725.1  | 723.6  | 678.8  | 608.5  | 512.7 | 407.2 | 294.1 | 200.6 | 132.9 | 89.7  | 2.5  |
| 53°   | 644.7  | 635.1  | 596.0  | 532.8  | 440.8 | 344.7 | 249.3 | 169.2 | 114.4 | 76.3  | 2.2  |
| 54°   | 553.2  | 542.4  | 500.5  | 443.5  | 360.1 | 282.3 | 200.9 | 136.7 | 95.3  | 64.5  | 2.0  |
| 55°   | 451.4  | 433.0  | 402.5  | 344.0  | 281.3 | 215.4 | 155.2 | 108.3 | 76.2  | 53.7  | 1.7  |
| 56°   | 342.5  | 324.0  | 306.9  | 263.8  | 206.4 | 160.7 | 115.6 | 83.0  | 59.5  | 42.4  | 1.5  |
| 57°   | 238.2  | 237.2  | 209.1  | 176.0  | 138.1 | 109.5 | 79.2  | 58.6  | 42.1  | 32.9  | 1.2  |
| 58°   | 154.5  | 149.4  | 131.4  | 112.3  | 90.3  | 68.4  | 50.9  | 39.8  | 28.6  | 22.5  | 1.0  |
| 59°   | 108.3  | 98.0   | 88.3   | 74.9   | 56.9  | 43.1  | 32.8  | 25.4  | 19.8  | 15.6  | 0.7  |
| 60°   | 66.5   | 64.4   | 57.9   | 45.6   | 36.9  | 30.4  | 24.5  | 18.8  | 14.5  | 11.1  | 0.3  |
| 62.5° | 19.0   | 19.3   | 17.5   | 15.5   | 13.3  | 11.5  | 10.3  | 8.8   | 7.3   | 5.8   | 0.0  |
| 65°   | 4.3    | 4.2    | 4.5    | 4.2    | 3.8   | 3.8   | 3.3   | 3.0   | 2.7   | 2.5   | 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° | 1.3 | 1.3  | 1.2 | 1.2  | 1.2 | 1.0   | 1.0 | 0.8   | 0.8 | 0.7   | 0.0 |
| 70°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.3   | 0.3 | 0.3   | 0.2 | 0.2   | 0.0 |
| 72.5° | 0.5 | 0.5  | 0.5 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3   | 0.2 | 0.2   | 0.2 |
| 75°   | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.2   | 0.2 | 0.2   | 0.2 |
| 77.5° | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.2   | 0.3 | 0.2   | 0.2 | 0.2   | 0.2 |
| 80°   | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 82.5° | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 85°   | 0.2 | 0.2  | 0.2 | 0.2  | 0.0 | 0.0   | 0.2 | 0.2   | 0.2 | 0.0   | 0.2 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 |
| 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°    | 12.3  | 12.3 | 12.3   | 12.3 | 12.3   | 12.3 |
| 2.5°  | 12.8  | 12.1 | 11.6   | 11.1 | 11.0   | 11.0 |
| 5°    | 12.5  | 11.5 | 10.5   | 10.0 | 9.6    | 9.6  |
| 7.5°  | 11.5  | 10.3 | 9.3    | 8.8  | 8.6    | 8.6  |
| 10°   | 10.3  | 9.0  | 8.0    | 7.7  | 7.7    | 7.5  |
| 12.5° | 9.0   | 7.7  | 7.0    | 6.8  | 6.8    | 6.8  |
| 15°   | 7.5   | 6.5  | 6.0    | 6.0  | 6.2    | 6.3  |
| 17.5° | 6.3   | 5.3  | 5.2    | 5.5  | 5.8    | 5.8  |
| 20°   | 5.3   | 4.7  | 4.7    | 5.0  | 5.3    | 5.5  |
| 22.5° | 4.5   | 4.0  | 4.2    | 4.7  | 5.2    | 5.3  |
| 25°   | 4.0   | 3.5  | 3.8    | 4.3  | 4.8    | 5.2  |
| 27.5° | 3.3   | 3.2  | 3.5    | 4.2  | 4.8    | 5.0  |
| 30°   | 2.8   | 2.8  | 3.3    | 4.0  | 4.7    | 4.8  |
| 31°   | 2.7   | 2.7  | 3.3    | 4.0  | 4.7    | 4.8  |
| 32°   | 2.5   | 2.7  | 3.2    | 4.0  | 4.7    | 4.8  |
| 33°   | 2.3   | 2.5  | 3.2    | 3.8  | 4.7    | 4.8  |
| 34°   | 2.2   | 2.5  | 3.2    | 3.8  | 4.7    | 4.8  |
| 35°   | 2.0   | 2.5  | 3.2    | 3.8  | 4.7    | 4.8  |
| 36°   | 1.8   | 2.3  | 3.0    | 3.8  | 4.7    | 4.8  |
| 37°   | 1.7   | 2.3  | 3.0    | 3.8  | 4.7    | 4.8  |
| 38°   | 1.5   | 2.2  | 3.0    | 3.8  | 4.7    | 4.8  |
| 39°   | 1.5   | 2.2  | 2.8    | 3.8  | 4.5    | 4.8  |
| 40°   | 1.3   | 2.0  | 2.8    | 3.8  | 4.5    | 4.8  |
| 41°   | 1.2   | 2.0  | 2.8    | 3.7  | 4.5    | 4.8  |
| 42°   | 1.0   | 1.8  | 2.7    | 3.7  | 4.5    | 4.8  |
| 43°   | 0.8   | 1.8  | 2.7    | 3.7  | 4.5    | 4.8  |
| 44°   | 0.8   | 1.7  | 2.7    | 3.7  | 4.5    | 4.8  |
| 45°   | 0.7   | 1.7  | 2.7    | 3.7  | 4.5    | 4.8  |
| 46°   | 0.5   | 1.7  | 2.7    | 3.7  | 4.5    | 4.8  |
| 47°   | 0.5   | 1.5  | 2.5    | 3.7  | 4.5    | 4.8  |
| 48°   | 0.3   | 1.5  | 2.5    | 3.7  | 4.5    | 4.8  |
| 49°   | 0.3   | 1.5  | 2.5    | 3.7  | 4.5    | 5.0  |
| 50°   | 0.3   | 1.5  | 2.5    | 3.5  | 4.5    | 5.0  |
| 51°   | 0.2   | 1.5  | 2.5    | 3.5  | 4.5    | 5.0  |
| 52°   | 0.2   | 1.5  | 2.3    | 3.5  | 4.7    | 5.0  |
| 53°   | 0.2   | 1.3  | 2.3    | 3.5  | 4.7    | 5.0  |
| 54°   | 0.2   | 1.3  | 2.3    | 3.5  | 4.7    | 4.8  |
| 55°   | 0.2   | 1.3  | 2.3    | 3.5  | 4.5    | 4.8  |
| 56°   | 0.2   | 1.2  | 2.3    | 3.5  | 4.5    | 4.8  |
| 57°   | 0.2   | 1.2  | 2.2    | 3.3  | 4.5    | 4.7  |
| 58°   | 0.2   | 1.2  | 2.2    | 3.3  | 4.5    | 4.7  |
| 59°   | 0.2   | 1.2  | 2.2    | 3.3  | 4.3    | 4.7  |
| 60°   | 0.3   | 1.0  | 2.0    | 3.2  | 4.3    | 4.7  |
| 62.5° | 0.3   | 1.0  | 2.0    | 3.2  | 4.2    | 4.5  |
| 65°   | 0.3   | 1.0  | 1.8    | 3.0  | 4.2    | 4.5  |





TEST NUMBER: P1315771

CATALOG NUMBER: P3SQAS02R209827DE010 E3SQCA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.3   | 0.8 | 1.7    | 2.8  | 4.0    | 4.3  |
| 70°   | 0.3   | 1.0 | 1.7    | 2.7  | 3.8    | 4.2  |
| 72.5° | 0.5   | 0.8 | 1.5    | 2.5  | 3.7    | 4.0  |
| 75°   | 0.5   | 0.8 | 1.5    | 2.3  | 3.5    | 3.7  |
| 77.5° | 0.7   | 0.8 | 1.3    | 2.0  | 3.2    | 3.3  |
| 80°   | 0.7   | 0.8 | 1.2    | 1.7  | 2.7    | 2.8  |
| 82.5° | 0.7   | 0.8 | 0.8    | 1.3  | 2.0    | 2.2  |
| 85°   | 0.5   | 0.7 | 0.7    | 0.8  | 1.3    | 1.5  |
| 87.5° | 0.5   | 0.7 | 0.5    | 0.3  | 0.7    | 0.7  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)