

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: P1306362

Luminaire Tested: P3SQAS02R209027DE010 E3SQCA451MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306362  
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: P3SQAS02R209027DE010 E3SQCA451MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQCA451MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

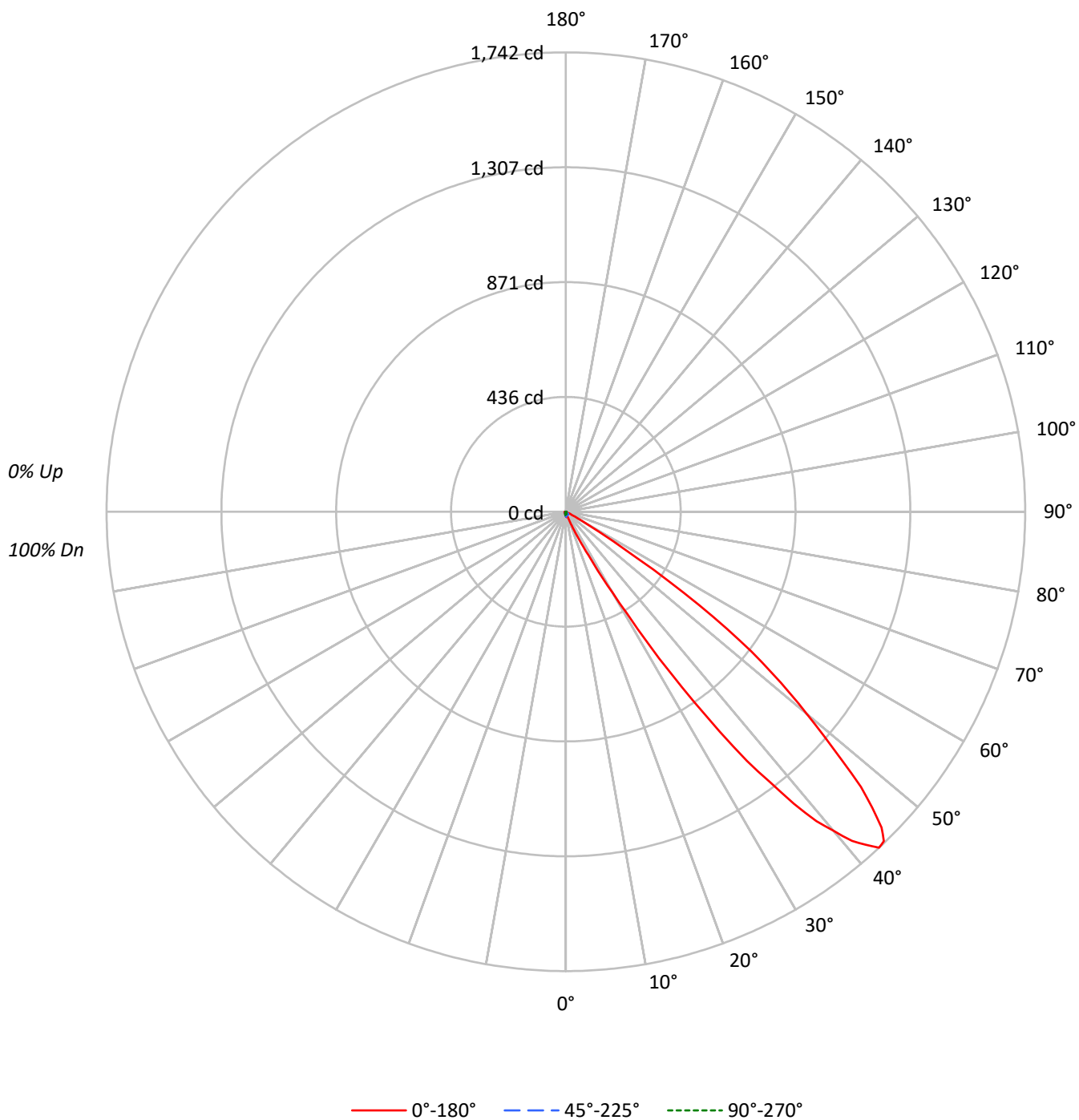
Lumens per Lamp: N/A  
Luminaire Lumens: 242.0 lumens  
Efficiency: N/A  
Efficacy: 67.2 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.52 / 1.13  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1306362

CATALOG NUMBER: P3SQAS02R209027DE010 E3SQCA451MB

### Luminous Intensity Polar Plot



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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  | 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°  | 2893   | 2893 | 2893 | 2893 | 2893 |
| 5°  | 3388   | 3146 | 2714 | 2351 | 2282 |
| 10° | 3340   | 2868 | 2151 | 1836 | 1784 |
| 15° | 2924   | 2193 | 1587 | 1462 | 1533 |
| 20° | 4344   | 1833 | 1173 | 1246 | 1375 |
| 25° | 18661  | 1900 | 912  | 1121 | 1349 |
| 30° | 70597  | 2307 | 776  | 1094 | 1313 |
| 35° | 214008 | 2775 | 715  | 1093 | 1388 |
| 40° | 354879 | 2765 | 607  | 1169 | 1484 |
| 45° | 412493 | 1875 | 560  | 1218 | 1607 |
| 50° | 320204 | 1045 | 536  | 1286 | 1822 |
| 55° | 185321 | 691  | 540  | 1441 | 1982 |
| 60° | 31345  | 172  | 482  | 1481 | 2204 |
| 65° | 2404   | 0    | 571  | 1671 | 2486 |
| 70° | 352    | 0    | 705  | 1813 | 2870 |
| 75° | 333    | 133  | 732  | 2129 | 3327 |
| 80° | 198    | 198  | 1091 | 2281 | 3868 |
| 85° | 395    | 395  | 1778 | 2174 | 3952 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 412493 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.4    | 0.6       |
| 10°-20°   | 3.0    | 1.3       |
| 20°-30°   | 9.7    | 4.0       |
| 30°-40°   | 61.7   | 25.5      |
| 40°-50°   | 112.9  | 46.7      |
| 50°-60°   | 46.4   | 19.2      |
| 60°-70°   | 3.9    | 1.6       |
| 70°-80°   | 1.9    | 0.8       |
| 80°-90°   | 0.9    | 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°    | 14.1   | 5.8       |
| 0°-40°    | 75.9   | 31.3      |
| 0°-60°    | 235.2  | 97.2      |
| 0°-90°    | 242.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 242.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 17   | 17  | 17  | 17   | 17   |      |
| 5°  | 20   | 18  | 16  | 14   | 13   | 2    |
| 15° | 16   | 12  | 9   | 8    | 9    | 5    |
| 25° | 98   | 10  | 5   | 6    | 7    | 65   |
| 35° | 1018 | 13  | 3   | 5    | 7    | 644  |
| 45° | 1694 | 8   | 2   | 5    | 7    | 1216 |
| 55° | 617  | 2   | 2   | 5    | 7    | 540  |
| 65° | 6    | 0   | 1   | 4    | 6    | 19   |
| 75° | 0    | 0   | 1   | 3    | 5    | 1    |
| 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°    | 16.8   | 16.8   | 16.8   | 16.8   | 16.8   | 16.8   | 16.8  | 16.8  | 16.8  | 16.8  | 16.8 |
| 2.5°  | 18.4   | 18.4   | 18.4   | 18.2   | 18.2   | 18.4   | 18.2  | 18.2  | 18.2  | 18.2  | 18.0 |
| 5°    | 19.6   | 19.6   | 19.6   | 19.6   | 19.6   | 19.6   | 19.6  | 19.3  | 19.3  | 19.1  | 18.2 |
| 7.5°  | 20.0   | 20.0   | 20.0   | 20.0   | 19.8   | 19.8   | 19.8  | 19.8  | 19.6  | 19.3  | 17.7 |
| 10°   | 19.1   | 19.1   | 19.1   | 18.9   | 18.9   | 18.9   | 18.6  | 18.6  | 18.4  | 18.2  | 16.4 |
| 12.5° | 17.3   | 17.3   | 17.3   | 17.3   | 17.1   | 17.1   | 16.8  | 16.8  | 16.6  | 16.4  | 14.3 |
| 15°   | 16.4   | 16.4   | 16.4   | 16.1   | 16.1   | 15.9   | 15.7  | 15.5  | 15.2  | 14.8  | 12.3 |
| 17.5° | 17.7   | 17.7   | 17.5   | 17.5   | 17.1   | 16.6   | 16.4  | 15.7  | 15.2  | 14.6  | 10.9 |
| 20°   | 23.7   | 23.9   | 23.0   | 22.3   | 21.8   | 20.5   | 19.8  | 18.6  | 17.7  | 16.6  | 10.0 |
| 22.5° | 47.8   | 46.8   | 45.3   | 42.8   | 39.8   | 37.3   | 32.7  | 29.1  | 26.6  | 23.2  | 9.8  |
| 25°   | 98.2   | 97.3   | 93.0   | 89.4   | 80.3   | 73.2   | 63.5  | 55.5  | 47.3  | 39.3  | 10.0 |
| 27.5° | 186.7  | 180.6  | 179.4  | 162.8  | 150.1  | 131.9  | 113.0 | 97.1  | 82.6  | 66.4  | 10.7 |
| 30°   | 355.0  | 348.0  | 323.2  | 298.2  | 263.8  | 224.9  | 187.9 | 153.3 | 124.4 | 98.2  | 11.6 |
| 31°   | 450.5  | 457.3  | 428.2  | 378.0  | 327.3  | 277.5  | 226.7 | 182.8 | 145.6 | 113.0 | 12.1 |
| 32°   | 592.2  | 562.4  | 531.7  | 480.1  | 406.4  | 342.7  | 279.0 | 215.8 | 166.7 | 128.9 | 12.5 |
| 33°   | 726.2  | 708.7  | 661.8  | 597.4  | 509.0  | 419.6  | 337.0 | 254.7 | 192.6 | 148.3 | 12.7 |
| 34°   | 869.0  | 849.7  | 811.7  | 719.3  | 622.2  | 505.1  | 395.0 | 299.5 | 223.6 | 167.2 | 13.0 |
| 35°   | 1017.9 | 1009.8 | 936.5  | 856.5  | 737.1  | 595.8  | 464.9 | 348.6 | 253.8 | 184.4 | 13.2 |
| 36°   | 1167.8 | 1141.4 | 1084.1 | 967.2  | 842.6  | 679.8  | 538.1 | 394.4 | 284.5 | 204.9 | 13.2 |
| 37°   | 1280.6 | 1274.7 | 1198.7 | 1084.8 | 938.3  | 769.4  | 601.3 | 445.1 | 315.4 | 222.4 | 13.2 |
| 38°   | 1405.0 | 1381.6 | 1304.5 | 1188.5 | 1028.4 | 851.5  | 667.5 | 489.2 | 344.8 | 238.3 | 13.0 |
| 39°   | 1509.9 | 1475.1 | 1397.3 | 1282.7 | 1107.1 | 913.8  | 720.0 | 531.9 | 370.7 | 251.5 | 12.7 |
| 40°   | 1578.5 | 1554.4 | 1473.2 | 1344.3 | 1178.5 | 972.7  | 773.2 | 567.2 | 390.0 | 261.5 | 12.3 |
| 41°   | 1654.3 | 1614.2 | 1534.0 | 1404.3 | 1230.4 | 1024.5 | 806.7 | 590.4 | 405.0 | 268.1 | 11.8 |
| 42°   | 1699.5 | 1666.8 | 1571.5 | 1444.6 | 1267.4 | 1054.1 | 834.0 | 608.1 | 414.1 | 271.5 | 10.9 |
| 43°   | 1741.8 | 1697.3 | 1604.5 | 1468.0 | 1292.0 | 1075.0 | 846.5 | 616.3 | 416.2 | 271.5 | 9.8  |
| 44°   | 1736.1 | 1693.8 | 1597.6 | 1471.2 | 1297.4 | 1081.2 | 851.7 | 616.5 | 413.0 | 268.1 | 8.6  |
| 45°   | 1693.6 | 1651.5 | 1564.9 | 1443.5 | 1277.9 | 1069.1 | 841.2 | 607.4 | 404.1 | 262.2 | 7.7  |
| 46°   | 1615.6 | 1573.8 | 1507.4 | 1397.1 | 1241.5 | 1041.8 | 816.9 | 587.7 | 389.3 | 252.7 | 6.8  |
| 47°   | 1530.8 | 1490.1 | 1422.1 | 1322.2 | 1179.4 | 993.2  | 781.7 | 559.9 | 368.7 | 238.8 | 6.1  |
| 48°   | 1407.7 | 1382.3 | 1314.1 | 1228.8 | 1093.2 | 917.0  | 719.8 | 514.7 | 340.9 | 220.8 | 5.2  |
| 49°   | 1299.0 | 1272.2 | 1212.4 | 1120.7 | 980.9  | 828.3  | 645.9 | 459.6 | 304.7 | 200.8 | 4.5  |
| 50°   | 1195.1 | 1171.7 | 1116.4 | 1012.9 | 879.4  | 721.2  | 546.0 | 390.3 | 259.3 | 176.0 | 3.9  |
| 51°   | 1093.5 | 1075.9 | 1019.5 | 924.5  | 788.9  | 638.8  | 473.0 | 325.0 | 214.2 | 146.0 | 3.6  |
| 52°   | 991.3  | 989.3  | 928.1  | 831.9  | 700.9  | 556.7  | 402.1 | 274.3 | 181.7 | 122.6 | 3.4  |
| 53°   | 881.5  | 868.3  | 814.9  | 728.4  | 602.7  | 471.2  | 340.9 | 231.3 | 156.5 | 104.4 | 3.0  |
| 54°   | 756.4  | 741.6  | 684.3  | 606.3  | 492.4  | 385.9  | 274.7 | 186.9 | 130.3 | 88.2  | 2.7  |
| 55°   | 617.2  | 592.0  | 550.4  | 470.3  | 384.6  | 294.5  | 212.2 | 148.1 | 104.2 | 73.5  | 2.3  |
| 56°   | 468.3  | 443.0  | 419.6  | 360.7  | 282.2  | 219.7  | 158.1 | 113.5 | 81.4  | 58.0  | 2.0  |
| 57°   | 325.7  | 324.3  | 285.9  | 240.6  | 188.8  | 149.6  | 108.3 | 80.1  | 57.5  | 45.0  | 1.6  |
| 58°   | 211.3  | 204.2  | 179.7  | 153.5  | 123.5  | 93.5   | 69.6  | 54.4  | 39.1  | 30.7  | 1.4  |
| 59°   | 148.1  | 134.0  | 120.8  | 102.3  | 77.8   | 58.9   | 44.8  | 34.8  | 27.1  | 21.4  | 0.9  |
| 60°   | 91.0   | 88.0   | 79.1   | 62.3   | 50.5   | 41.6   | 33.4  | 25.7  | 19.8  | 15.2  | 0.5  |
| 62.5° | 25.9   | 26.4   | 23.9   | 21.2   | 18.2   | 15.7   | 14.1  | 12.1  | 10.0  | 8.0   | 0.0  |
| 65°   | 5.9    | 5.7    | 6.1    | 5.7    | 5.2    | 5.2    | 4.5   | 4.1   | 3.6   | 3.4   | 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° | 1.8 | 1.8  | 1.6 | 1.6  | 1.6 | 1.4   | 1.4 | 1.1   | 1.1 | 0.9   | 0.0 |
| 70°   | 0.7 | 0.7  | 0.7 | 0.7  | 0.7 | 0.5   | 0.5 | 0.5   | 0.2 | 0.2   | 0.0 |
| 72.5° | 0.7 | 0.7  | 0.7 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.2 | 0.2   | 0.2 |
| 75°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.2   | 0.2 | 0.2   | 0.2 |
| 77.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.2   | 0.5 | 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°    | 16.8  | 16.8 | 16.8   | 16.8 | 16.8   | 16.8 |
| 2.5°  | 17.5  | 16.6 | 15.9   | 15.2 | 15.0   | 15.0 |
| 5°    | 17.1  | 15.7 | 14.3   | 13.6 | 13.2   | 13.2 |
| 7.5°  | 15.7  | 14.1 | 12.7   | 12.1 | 11.8   | 11.8 |
| 10°   | 14.1  | 12.3 | 10.9   | 10.5 | 10.5   | 10.2 |
| 12.5° | 12.3  | 10.5 | 9.6    | 9.3  | 9.3    | 9.3  |
| 15°   | 10.2  | 8.9  | 8.2    | 8.2  | 8.4    | 8.6  |
| 17.5° | 8.6   | 7.3  | 7.1    | 7.5  | 8.0    | 8.0  |
| 20°   | 7.3   | 6.4  | 6.4    | 6.8  | 7.3    | 7.5  |
| 22.5° | 6.1   | 5.5  | 5.7    | 6.4  | 7.1    | 7.3  |
| 25°   | 5.5   | 4.8  | 5.2    | 5.9  | 6.6    | 7.1  |
| 27.5° | 4.5   | 4.3  | 4.8    | 5.7  | 6.6    | 6.8  |
| 30°   | 3.9   | 3.9  | 4.5    | 5.5  | 6.4    | 6.6  |
| 31°   | 3.6   | 3.6  | 4.5    | 5.5  | 6.4    | 6.6  |
| 32°   | 3.4   | 3.6  | 4.3    | 5.5  | 6.4    | 6.6  |
| 33°   | 3.2   | 3.4  | 4.3    | 5.2  | 6.4    | 6.6  |
| 34°   | 3.0   | 3.4  | 4.3    | 5.2  | 6.4    | 6.6  |
| 35°   | 2.7   | 3.4  | 4.3    | 5.2  | 6.4    | 6.6  |
| 36°   | 2.5   | 3.2  | 4.1    | 5.2  | 6.4    | 6.6  |
| 37°   | 2.3   | 3.2  | 4.1    | 5.2  | 6.4    | 6.6  |
| 38°   | 2.0   | 3.0  | 4.1    | 5.2  | 6.4    | 6.6  |
| 39°   | 2.0   | 3.0  | 3.9    | 5.2  | 6.1    | 6.6  |
| 40°   | 1.8   | 2.7  | 3.9    | 5.2  | 6.1    | 6.6  |
| 41°   | 1.6   | 2.7  | 3.9    | 5.0  | 6.1    | 6.6  |
| 42°   | 1.4   | 2.5  | 3.6    | 5.0  | 6.1    | 6.6  |
| 43°   | 1.1   | 2.5  | 3.6    | 5.0  | 6.1    | 6.6  |
| 44°   | 1.1   | 2.3  | 3.6    | 5.0  | 6.1    | 6.6  |
| 45°   | 0.9   | 2.3  | 3.6    | 5.0  | 6.1    | 6.6  |
| 46°   | 0.7   | 2.3  | 3.6    | 5.0  | 6.1    | 6.6  |
| 47°   | 0.7   | 2.0  | 3.4    | 5.0  | 6.1    | 6.6  |
| 48°   | 0.5   | 2.0  | 3.4    | 5.0  | 6.1    | 6.6  |
| 49°   | 0.5   | 2.0  | 3.4    | 5.0  | 6.1    | 6.8  |
| 50°   | 0.5   | 2.0  | 3.4    | 4.8  | 6.1    | 6.8  |
| 51°   | 0.2   | 2.0  | 3.4    | 4.8  | 6.1    | 6.8  |
| 52°   | 0.2   | 2.0  | 3.2    | 4.8  | 6.4    | 6.8  |
| 53°   | 0.2   | 1.8  | 3.2    | 4.8  | 6.4    | 6.8  |
| 54°   | 0.2   | 1.8  | 3.2    | 4.8  | 6.4    | 6.6  |
| 55°   | 0.2   | 1.8  | 3.2    | 4.8  | 6.1    | 6.6  |
| 56°   | 0.2   | 1.6  | 3.2    | 4.8  | 6.1    | 6.6  |
| 57°   | 0.2   | 1.6  | 3.0    | 4.5  | 6.1    | 6.4  |
| 58°   | 0.2   | 1.6  | 3.0    | 4.5  | 6.1    | 6.4  |
| 59°   | 0.2   | 1.6  | 3.0    | 4.5  | 5.9    | 6.4  |
| 60°   | 0.5   | 1.4  | 2.7    | 4.3  | 5.9    | 6.4  |
| 62.5° | 0.5   | 1.4  | 2.7    | 4.3  | 5.7    | 6.1  |
| 65°   | 0.5   | 1.4  | 2.5    | 4.1  | 5.7    | 6.1  |



TEST NUMBER: P1306362

CATALOG NUMBER: P3SQAS02R209027DE010 E3SQCA451MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.5   | 1.1 | 2.3    | 3.9  | 5.5    | 5.9  |
| 70°   | 0.5   | 1.4 | 2.3    | 3.6  | 5.2    | 5.7  |
| 72.5° | 0.7   | 1.1 | 2.0    | 3.4  | 5.0    | 5.5  |
| 75°   | 0.7   | 1.1 | 2.0    | 3.2  | 4.8    | 5.0  |
| 77.5° | 0.9   | 1.1 | 1.8    | 2.7  | 4.3    | 4.5  |
| 80°   | 0.9   | 1.1 | 1.6    | 2.3  | 3.6    | 3.9  |
| 82.5° | 0.9   | 1.1 | 1.1    | 1.8  | 2.7    | 3.0  |
| 85°   | 0.7   | 0.9 | 0.9    | 1.1  | 1.8    | 2.0  |
| 87.5° | 0.7   | 0.9 | 0.7    | 0.5  | 0.9    | 0.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)