

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: P1305587

Luminaire Tested: P3SQASS05R309024DE010 E3SQCA301MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305587  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS05R309024DE010 E3SQCA301MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

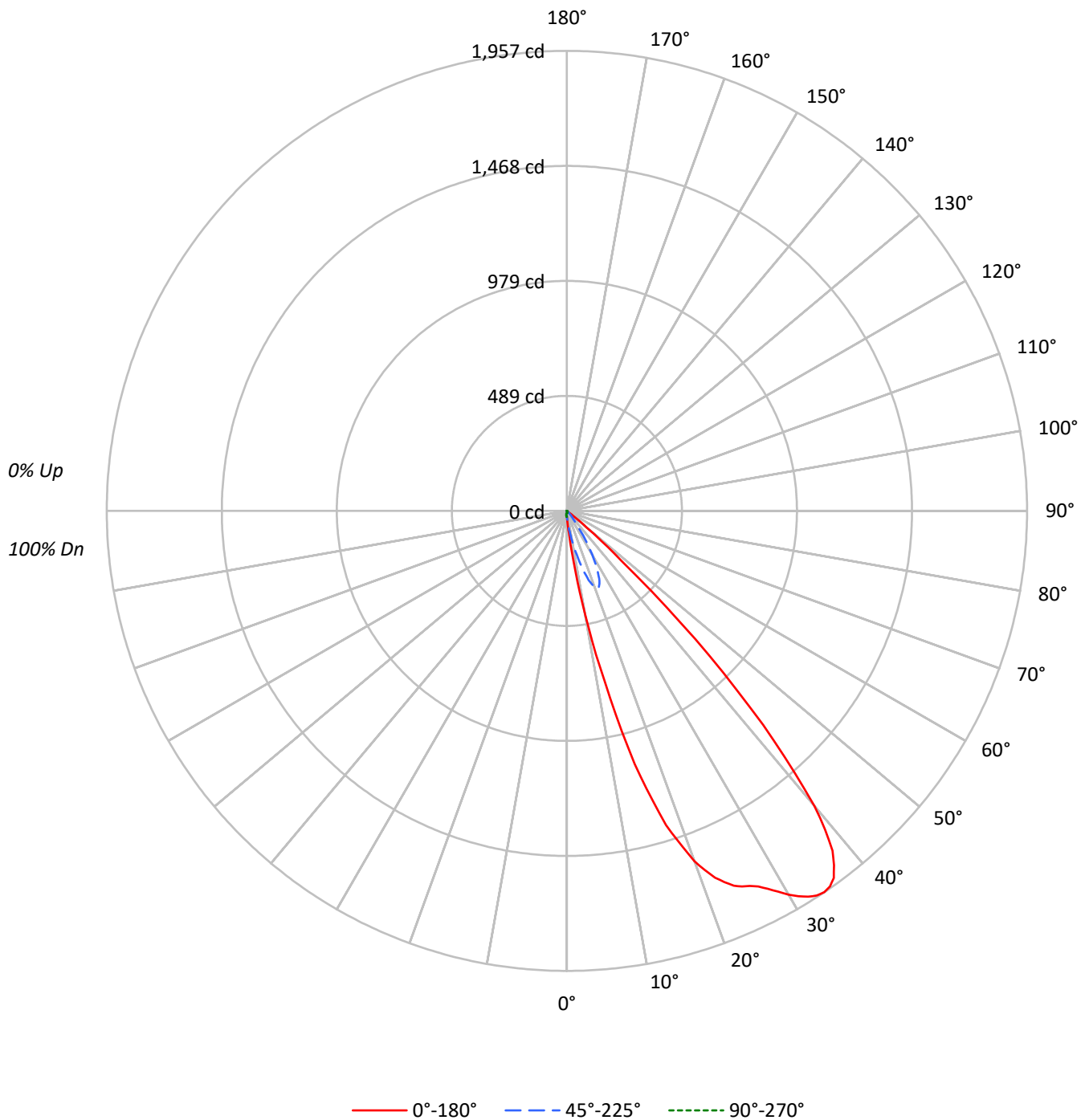
Lumens per Lamp: N/A  
Luminaire Lumens: 471.0 lumens  
Efficiency: N/A  
Efficacy: 65.4 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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

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### 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 | 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 | 96  | 92  | 104 | 98  | 94  | 91  | 95  | 92  | 89  | 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  | 80  | 77  | 77  | 77  | 75  |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 70  | 70  | 70  | 68  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 63  | 63  | 61  |
| 6   | 81  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 57  | 57  | 55  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 52  | 52  | 50  |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 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  | 43  | 43  | 43  | 41  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 43  | 39  | 39  | 39  | 37  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 4340   | 4340  | 4340 | 4340 | 4340 |
| 5°  | 15749  | 9785  | 3976 | 1608 | 1141 |
| 10° | 77909  | 23416 | 3095 | 315  | 0    |
| 15° | 198749 | 44610 | 1979 | 0    | 0    |
| 20° | 290418 | 63432 | 806  | 0    | 0    |
| 25° | 335055 | 62234 | 171  | 0    | 0    |
| 30° | 374981 | 42716 | 0    | 0    | 0    |
| 35° | 410104 | 18396 | 0    | 0    | 0    |
| 40° | 368076 | 7149  | 0    | 0    | 0    |
| 45° | 187955 | 2898  | 0    | 0    | 0    |
| 50° | 29017  | 348   | 0    | 0    | 0    |
| 55° | 1711   | 0     | 120  | 0    | 0    |
| 60° | 0      | 0     | 138  | 0    | 0    |
| 65° | 0      | 0     | 367  | 0    | 0    |
| 70° | 0      | 201   | 453  | 0    | 0    |
| 75° | 0      | 266   | 865  | 0    | 0    |
| 80° | 0      | 397   | 1289 | 0    | 0    |
| 85° | 0      | 790   | 2569 | 0    | 0    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 187955 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.3    | 1.1       |
| 10°-20°   | 62.8   | 13.3      |
| 20°-30°   | 155.1  | 32.9      |
| 30°-40°   | 178.3  | 37.9      |
| 40°-50°   | 66.2   | 14.0      |
| 50°-60°   | 2.4    | 0.5       |
| 60°-70°   | 0.2    | 0.0       |
| 70°-80°   | 0.4    | 0.1       |
| 80°-90°   | 0.3    | 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°    | 223.1  | 47.4      |
| 0°-40°    | 401.5  | 85.2      |
| 0°-60°    | 470.0  | 99.8      |
| 0°-90°    | 471.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 471.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 25   | 25  | 25  | 25   | 25   |      |
| 5°  | 91   | 57  | 23  | 9    | 7    | 20   |
| 15° | 1115 | 250 | 11  | 0    | 0    | 320  |
| 25° | 1763 | 328 | 1   | 0    | 0    | 815  |
| 35° | 1951 | 88  | 0   | 0    | 0    | 1183 |
| 45° | 772  | 12  | 0   | 0    | 0    | 601  |
| 55° | 6    | 0   | 0   | 0    | 0    | 20   |
| 65° | 0    | 0   | 1   | 0    | 0    | 0    |
| 75° | 0    | 0   | 1   | 0    | 0    | 0    |
| 85° | 0    | 0   | 1   | 0    | 0    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1305587

CATALOG NUMBER: P3SQASS05R309024DE010 E3SQCA301MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 45°   | 67.5° | 90°  | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0°    | 25.2   | 25.2   | 25.2   | 25.2   | 25.2   | 25.2   | 25.2   | 25.2  | 25.2  | 25.2 | 25.2   |
| 2.5°  | 44.6   | 45.1   | 45.1   | 43.8   | 43.3   | 42.9   | 41.5   | 37.6  | 31.4  | 25.2 | 20.3   |
| 5°    | 91.1   | 91.5   | 91.5   | 88.8   | 83.5   | 78.2   | 73.8   | 56.6  | 36.2  | 23.0 | 15.0   |
| 7.5°  | 214.8  | 215.3  | 206.0  | 195.4  | 174.2  | 163.1  | 142.8  | 87.1  | 41.1  | 20.8 | 9.7    |
| 10°   | 445.5  | 435.8  | 411.5  | 380.6  | 347.9  | 305.4  | 262.6  | 133.9 | 44.6  | 17.7 | 6.2    |
| 12.5° | 744.8  | 735.5  | 704.1  | 659.9  | 595.8  | 512.7  | 431.4  | 188.3 | 45.1  | 14.1 | 3.5    |
| 15°   | 1114.7 | 1088.7 | 1051.1 | 977.7  | 883.1  | 754.5  | 620.1  | 250.2 | 43.3  | 11.1 | 0.9    |
| 17.5° | 1401.6 | 1377.7 | 1330.0 | 1244.3 | 1126.7 | 983.9  | 819.0  | 309.0 | 38.5  | 7.1  | 0.0    |
| 20°   | 1584.6 | 1559.4 | 1514.8 | 1439.2 | 1314.1 | 1146.6 | 957.8  | 346.1 | 31.8  | 4.4  | 0.0    |
| 21°   | 1636.8 | 1612.4 | 1568.7 | 1493.5 | 1368.9 | 1201.8 | 991.9  | 354.0 | 28.7  | 3.5  | 0.0    |
| 22°   | 1682.7 | 1663.7 | 1623.1 | 1541.3 | 1414.4 | 1242.5 | 1026.3 | 354.9 | 26.5  | 2.7  | 0.0    |
| 23°   | 1715.0 | 1701.3 | 1660.6 | 1585.5 | 1459.1 | 1275.6 | 1044.9 | 349.6 | 23.9  | 1.8  | 0.0    |
| 24°   | 1745.9 | 1729.1 | 1694.2 | 1624.4 | 1494.4 | 1303.5 | 1061.7 | 339.9 | 21.2  | 1.3  | 0.0    |
| 25°   | 1763.2 | 1743.7 | 1716.8 | 1651.3 | 1523.6 | 1321.2 | 1071.9 | 327.5 | 18.6  | 0.9  | 0.0    |
| 26°   | 1775.1 | 1760.1 | 1730.5 | 1667.3 | 1536.0 | 1332.7 | 1073.2 | 309.4 | 16.8  | 0.4  | 0.0    |
| 27°   | 1793.2 | 1778.2 | 1749.5 | 1681.4 | 1541.3 | 1330.9 | 1065.2 | 288.6 | 14.6  | 0.0  | 0.0    |
| 28°   | 1820.6 | 1800.7 | 1772.0 | 1696.4 | 1543.5 | 1323.4 | 1047.6 | 266.1 | 12.4  | 0.0  | 0.0    |
| 29°   | 1852.0 | 1831.7 | 1800.3 | 1716.3 | 1543.9 | 1308.3 | 1019.7 | 241.3 | 11.1  | 0.0  | 0.0    |
| 30°   | 1885.6 | 1867.9 | 1836.1 | 1735.8 | 1548.8 | 1288.9 | 987.4  | 214.8 | 8.8   | 0.0  | 0.0    |
| 31°   | 1912.1 | 1896.2 | 1862.2 | 1753.4 | 1552.8 | 1272.1 | 947.7  | 188.3 | 7.5   | 0.0  | 0.0    |
| 32°   | 1935.1 | 1921.0 | 1879.0 | 1757.4 | 1544.8 | 1248.2 | 905.2  | 162.7 | 6.2   | 0.0  | 0.0    |
| 33°   | 1951.0 | 1933.3 | 1884.3 | 1747.3 | 1521.8 | 1208.9 | 857.9  | 138.3 | 4.9   | 0.0  | 0.0    |
| 34°   | 1956.8 | 1935.6 | 1876.3 | 1720.7 | 1475.4 | 1149.2 | 796.5  | 113.2 | 4.0   | 0.0  | 0.0    |
| 35°   | 1950.6 | 1924.5 | 1847.6 | 1675.2 | 1412.7 | 1078.1 | 722.7  | 87.5  | 3.1   | 0.0  | 0.0    |
| 36°   | 1930.7 | 1897.5 | 1806.5 | 1610.2 | 1322.9 | 994.1  | 648.9  | 68.1  | 2.2   | 0.0  | 0.0    |
| 37°   | 1887.8 | 1851.1 | 1736.2 | 1524.5 | 1234.1 | 897.7  | 564.9  | 53.0  | 1.3   | 0.0  | 0.0    |
| 38°   | 1835.2 | 1782.2 | 1642.5 | 1416.2 | 1119.2 | 789.4  | 481.8  | 43.8  | 0.9   | 0.0  | 0.0    |
| 39°   | 1745.5 | 1687.1 | 1531.1 | 1291.5 | 1006.5 | 686.4  | 400.9  | 38.0  | 0.4   | 0.0  | 0.0    |
| 40°   | 1637.2 | 1567.8 | 1403.8 | 1158.1 | 873.4  | 578.6  | 334.6  | 31.8  | 0.4   | 0.0  | 0.0    |
| 42.5° | 1235.0 | 1176.2 | 999.8  | 787.7  | 533.9  | 341.2  | 185.6  | 20.8  | 0.0   | 0.0  | 0.0    |
| 45°   | 771.7  | 710.3  | 591.0  | 431.8  | 289.1  | 176.8  | 89.3   | 11.9  | 0.0   | 0.0  | 0.0    |
| 47.5° | 315.2  | 289.1  | 237.8  | 183.0  | 130.8  | 83.1   | 37.1   | 5.3   | 0.0   | 0.0  | 0.0    |
| 50°   | 108.3  | 96.4   | 80.9   | 59.2   | 42.0   | 28.7   | 19.4   | 1.3   | 0.0   | 0.0  | 0.0    |
| 52.5° | 31.4   | 31.8   | 27.8   | 23.9   | 18.6   | 13.3   | 9.7    | 0.0   | 0.0   | 0.0  | 0.0    |
| 55°   | 5.7    | 4.9    | 5.7    | 5.3    | 5.7    | 4.9    | 3.5    | 0.0   | 0.0   | 0.4  | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.0   | 0.4   | 0.4  | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.4   | 0.4  | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.4   | 0.9  | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.4   | 0.9  | 0.4    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4   | 0.9   | 0.9  | 0.4    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4   | 0.9   | 0.9  | 0.4    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4   | 0.9   | 1.3  | 0.4    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4   | 0.9   | 1.3  | 0.4    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4   | 0.9   | 1.3  | 0.4    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4   | 0.9   | 1.3  | 0.4    |



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**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 | 0.0 | 0.4 | 0.9   | 1.3 | 0.4    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9   | 1.3 | 0.4    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9   | 1.3 | 0.4    |
| 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: P1305587

CATALOG NUMBER: P3SQASS05R309024DE010 E3SQCA301MB

**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 25.2 | 25.2   | 25.2 |
| 2.5°  | 16.4 | 14.6   | 13.7 |
| 5°    | 9.3  | 7.1    | 6.6  |
| 7.5°  | 4.9  | 3.1    | 2.7  |
| 10°   | 1.8  | 0.4    | 0.0  |
| 12.5° | 0.0  | 0.0    | 0.0  |
| 15°   | 0.0  | 0.0    | 0.0  |
| 17.5° | 0.0  | 0.0    | 0.0  |
| 20°   | 0.0  | 0.0    | 0.0  |
| 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    | 0.0  |
| 39°   | 0.0  | 0.0    | 0.0  |
| 40°   | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.0  | 0.0    | 0.0  |
| 45°   | 0.0  | 0.0    | 0.0  |
| 47.5° | 0.0  | 0.0    | 0.0  |
| 50°   | 0.0  | 0.0    | 0.0  |
| 52.5° | 0.0  | 0.0    | 0.0  |
| 55°   | 0.0  | 0.0    | 0.0  |
| 57.5° | 0.0  | 0.0    | 0.0  |
| 60°   | 0.0  | 0.0    | 0.0  |
| 62.5° | 0.0  | 0.0    | 0.0  |
| 65°   | 0.0  | 0.0    | 0.0  |
| 67.5° | 0.0  | 0.0    | 0.0  |
| 70°   | 0.0  | 0.0    | 0.0  |
| 72.5° | 0.0  | 0.0    | 0.0  |
| 75°   | 0.0  | 0.0    | 0.0  |
| 77.5° | 0.0  | 0.0    | 0.0  |
| 80°   | 0.0  | 0.0    | 0.0  |

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CATALOG NUMBER: P3SQASS05R309024DE010 E3SQCA301MB

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)