

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: P1307695

Luminaire Tested: P3SQAS05R359030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307695  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R359030DE010 E3SQCA301MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

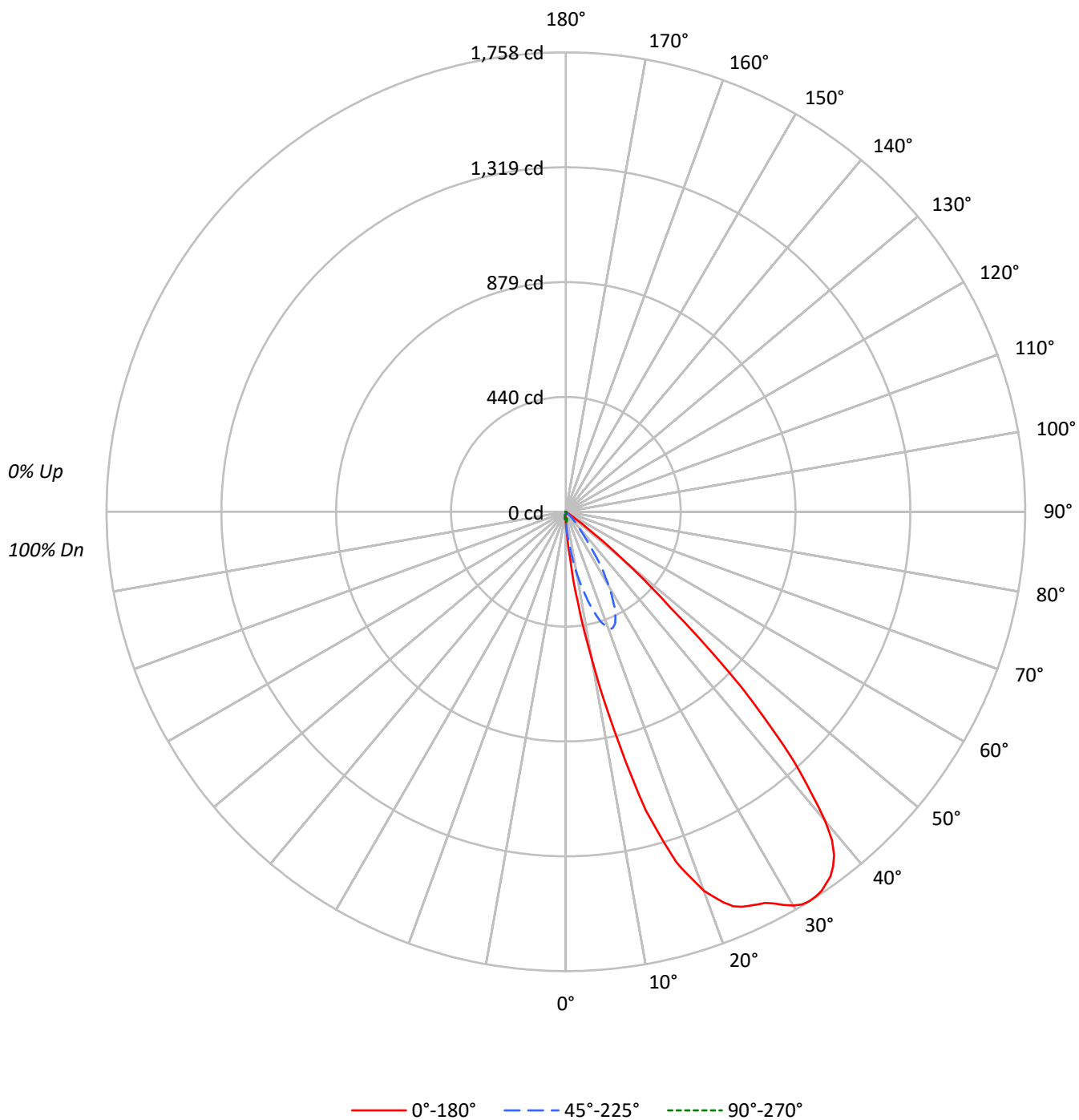
Lumens per Lamp: N/A  
Luminaire Lumens: 525.0 lumens  
Efficiency: N/A  
Efficacy: 72.9 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     | 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   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  |  | 99  | 98  | 96  |  | 96  | 95  | 93  | 91  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  |  | 92  | 89  | 86  |  | 89  | 87  | 85  | 83  |
| 3   | 99  | 91  | 86  | 81  | 97  | 90  | 85  | 80  | 87  | 83  | 79  |  | 85  | 81  | 78  |  | 82  | 79  | 76  | 75  |
| 4   | 93  | 84  | 77  | 72  | 91  | 82  | 76  | 72  | 80  | 75  | 71  |  | 78  | 73  | 70  |  | 76  | 72  | 69  | 67  |
| 5   | 86  | 76  | 70  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  |  | 72  | 67  | 63  |  | 70  | 66  | 62  | 61  |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 58  | 68  | 62  | 57  |  | 66  | 61  | 57  |  | 65  | 60  | 56  | 55  |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  |  | 61  | 55  | 51  |  | 60  | 55  | 51  | 49  |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  |  | 56  | 51  | 46  |  | 55  | 50  | 46  | 45  |
| 9   | 66  | 54  | 47  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 42  |  | 52  | 46  | 42  |  | 51  | 46  | 42  | 40  |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  |  | 48  | 42  | 38  |  | 47  | 42  | 38  | 37  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 6820   | 6820  | 6820 | 6820 | 6820 |
| 5°  | 29614  | 18360 | 6327 | 2247 | 1556 |
| 10° | 99681  | 41429 | 4722 | 525  | 175  |
| 15° | 210927 | 67949 | 2942 | 0    | 0    |
| 20° | 282812 | 86836 | 1375 | 0    | 0    |
| 25° | 316071 | 85284 | 285  | 0    | 0    |
| 30° | 346026 | 65347 | 0    | 0    | 0    |
| 35° | 365175 | 35594 | 0    | 0    | 0    |
| 40° | 347146 | 15985 | 0    | 0    | 0    |
| 45° | 232989 | 7063  | 0    | 0    | 0    |
| 50° | 77834  | 670   | 0    | 0    | 0    |
| 55° | 4204   | 0     | 0    | 0    | 0    |
| 60° | 0      | 0     | 172  | 0    | 0    |
| 65° | 0      | 0     | 408  | 0    | 0    |
| 70° | 0      | 252   | 504  | 0    | 0    |
| 75° | 0      | 333   | 665  | 0    | 0    |
| 80° | 0      | 496   | 992  | 0    | 0    |
| 85° | 0      | 988   | 1976 | 0    | 0    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 232989 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 8.5    | 1.6       |
| 10°-20°   | 72.8   | 13.9      |
| 20°-30°   | 159.8  | 30.4      |
| 30°-40°   | 184.9  | 35.2      |
| 40°-50°   | 91.3   | 17.4      |
| 50°-60°   | 6.8    | 1.3       |
| 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°    | 241.2  | 45.9      |
| 0°-40°    | 426.0  | 81.2      |
| 0°-60°    | 524.0  | 99.8      |
| 0°-90°    | 525.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 525.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 40   | 40  | 40  | 40   | 40   |      |
| 5°  | 171  | 106 | 37  | 13   | 9    | 29   |
| 15° | 1183 | 381 | 16  | 0    | 0    | 334  |
| 25° | 1663 | 449 | 2   | 0    | 0    | 769  |
| 35° | 1737 | 169 | 0   | 0    | 0    | 1072 |
| 45° | 957  | 29  | 0   | 0    | 0    | 702  |
| 55° | 14   | 0   | 0   | 0    | 0    | 57   |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°   | 45°   | 67.5° | 90°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0°    | 39.6   | 39.6   | 39.6   | 39.6   | 39.6   | 39.6   | 39.6   | 39.6  | 39.6  | 39.6  | 39.6 |
| 2.5°  | 78.6   | 80.6   | 79.6   | 79.6   | 79.1   | 76.6   | 72.1   | 70.6  | 65.1  | 51.6  | 40.1 |
| 5°    | 171.3  | 171.8  | 170.3  | 162.8  | 156.3  | 150.3  | 137.2  | 131.2 | 106.2 | 63.1  | 36.6 |
| 7.5°  | 347.6  | 340.1  | 330.6  | 320.0  | 297.0  | 276.0  | 248.4  | 219.4 | 164.3 | 73.1  | 32.6 |
| 10°   | 570.0  | 559.4  | 551.4  | 526.4  | 484.8  | 441.7  | 389.2  | 341.6 | 236.9 | 80.1  | 27.0 |
| 12.5° | 857.0  | 850.9  | 822.4  | 772.3  | 710.7  | 648.6  | 556.9  | 481.3 | 310.0 | 81.6  | 22.0 |
| 15°   | 1183.0 | 1173.0 | 1129.4 | 1058.3 | 974.7  | 877.0  | 754.3  | 627.1 | 381.1 | 77.1  | 16.5 |
| 17.5° | 1405.9 | 1400.4 | 1362.8 | 1288.2 | 1192.0 | 1067.8 | 922.6  | 763.8 | 439.7 | 67.6  | 11.5 |
| 20°   | 1543.1 | 1535.1 | 1500.0 | 1436.9 | 1336.3 | 1206.5 | 1034.3 | 850.9 | 473.8 | 55.6  | 7.5  |
| 21°   | 1578.7 | 1570.7 | 1542.6 | 1477.0 | 1380.8 | 1241.6 | 1064.8 | 872.0 | 480.3 | 50.1  | 6.0  |
| 22°   | 1612.2 | 1604.2 | 1574.7 | 1516.6 | 1421.4 | 1276.2 | 1088.8 | 888.0 | 479.3 | 45.6  | 4.5  |
| 23°   | 1640.3 | 1631.8 | 1602.7 | 1549.1 | 1453.5 | 1306.7 | 1106.9 | 896.0 | 472.8 | 41.1  | 3.5  |
| 24°   | 1654.8 | 1649.8 | 1623.8 | 1573.2 | 1479.5 | 1328.3 | 1119.4 | 899.0 | 464.8 | 36.6  | 2.5  |
| 25°   | 1663.3 | 1657.3 | 1631.8 | 1585.2 | 1496.5 | 1345.3 | 1127.4 | 896.5 | 448.8 | 32.6  | 1.5  |
| 26°   | 1672.3 | 1663.3 | 1634.3 | 1589.2 | 1505.6 | 1353.3 | 1127.9 | 890.0 | 431.7 | 29.0  | 0.5  |
| 27°   | 1680.4 | 1671.8 | 1641.8 | 1592.2 | 1507.1 | 1350.8 | 1123.9 | 877.5 | 411.2 | 25.5  | 0.5  |
| 28°   | 1697.9 | 1688.4 | 1653.8 | 1598.7 | 1508.6 | 1344.3 | 1111.4 | 860.5 | 384.2 | 22.5  | 0.0  |
| 29°   | 1720.9 | 1710.9 | 1671.3 | 1614.2 | 1512.1 | 1337.3 | 1094.4 | 837.9 | 360.6 | 20.0  | 0.0  |
| 30°   | 1740.0 | 1730.9 | 1694.4 | 1633.8 | 1521.1 | 1330.8 | 1074.3 | 807.4 | 328.6 | 17.0  | 0.0  |
| 31°   | 1754.0 | 1745.0 | 1711.4 | 1650.3 | 1529.1 | 1324.7 | 1049.3 | 775.8 | 299.5 | 15.0  | 0.0  |
| 32°   | 1757.5 | 1750.0 | 1718.4 | 1657.3 | 1529.1 | 1315.7 | 1026.2 | 740.3 | 271.0 | 12.5  | 0.0  |
| 33°   | 1756.0 | 1748.5 | 1716.4 | 1652.3 | 1515.6 | 1294.2 | 998.2  | 697.7 | 238.4 | 11.0  | 0.0  |
| 34°   | 1750.5 | 1741.5 | 1707.4 | 1636.3 | 1489.0 | 1257.6 | 957.6  | 655.1 | 204.3 | 9.0   | 0.0  |
| 35°   | 1736.9 | 1728.9 | 1691.9 | 1606.2 | 1448.0 | 1202.0 | 903.5  | 606.0 | 169.3 | 7.5   | 0.0  |
| 36°   | 1723.9 | 1711.9 | 1666.3 | 1569.2 | 1393.9 | 1144.9 | 838.9  | 549.4 | 139.2 | 6.0   | 0.0  |
| 37°   | 1699.9 | 1682.9 | 1636.8 | 1515.6 | 1317.2 | 1064.3 | 765.3  | 487.3 | 116.7 | 4.5   | 0.0  |
| 38°   | 1667.8 | 1644.8 | 1586.2 | 1453.5 | 1240.1 | 988.7  | 696.2  | 431.2 | 98.2  | 3.0   | 0.0  |
| 39°   | 1618.2 | 1591.2 | 1511.6 | 1368.3 | 1151.0 | 901.0  | 617.0  | 371.6 | 83.6  | 2.0   | 0.0  |
| 40°   | 1544.1 | 1518.6 | 1430.4 | 1267.1 | 1062.3 | 804.4  | 535.9  | 304.5 | 71.1  | 1.0   | 0.0  |
| 42.5° | 1285.7 | 1250.6 | 1148.4 | 986.2  | 785.3  | 578.5  | 354.6  | 169.3 | 47.1  | 0.0   | 0.0  |
| 45°   | 956.6  | 925.6  | 825.4  | 677.6  | 523.4  | 354.1  | 189.8  | 99.7  | 29.0  | 0.0   | 0.0  |
| 47.5° | 540.4  | 536.9  | 471.8  | 389.2  | 292.0  | 188.3  | 96.2   | 60.1  | 12.5  | 0.0   | 0.0  |
| 50°   | 290.5  | 272.5  | 234.9  | 178.3  | 121.7  | 82.1   | 52.1   | 33.1  | 2.5   | 0.0   | 0.0  |
| 52.5° | 106.2  | 102.7  | 86.1   | 71.6   | 55.1   | 37.6   | 26.5   | 14.5  | 0.0   | 0.0   | 0.0  |
| 55°   | 14.0   | 13.0   | 13.5   | 14.5   | 15.0   | 13.0   | 8.5    | 3.0   | 0.0   | 0.0   | 0.0  |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.5    | 1.0    | 1.0    | 1.0    | 0.0   | 0.0   | 0.0   | 0.5  |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.5   | 0.5  |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.5   | 0.5  |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.5   | 1.0  |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 1.0   | 1.0  |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.0   | 1.0  |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.0   | 1.0  |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.0   | 1.0  |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.0   | 1.0  |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.5   | 1.0   | 1.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0   | 1.0 |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0   | 1.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0   | 1.0 |
| 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):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0°    | 39.6   | 39.6 | 39.6   | 39.6 |
| 2.5°  | 30.6   | 23.5 | 20.0   | 19.5 |
| 5°    | 21.0   | 13.0 | 9.5    | 9.0  |
| 7.5°  | 14.5   | 6.5  | 4.5    | 4.0  |
| 10°   | 8.5    | 3.0  | 1.5    | 1.0  |
| 12.5° | 5.0    | 0.5  | 0.0    | 0.0  |
| 15°   | 1.5    | 0.0  | 0.0    | 0.0  |
| 17.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 20°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 21°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 22°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 23°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 24°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 25°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 26°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 27°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 34°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 36°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 37°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 38°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 39°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 47.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 50°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 52.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 55°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 57.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 60°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 62.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 65°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 67.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 70°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 72.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 75°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 77.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 80°   | 0.5    | 0.0  | 0.0    | 0.0  |



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CATALOG NUMBER: P3SQAS05R359030DE010 E3SQCA301MMS

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 85°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 87.5° | 0.5    | 0.0  | 0.0    | 0.0  |
| 90°   | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)