

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: P1305572

Luminaire Tested: P3SQAS05R259024DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305572  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R259024DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

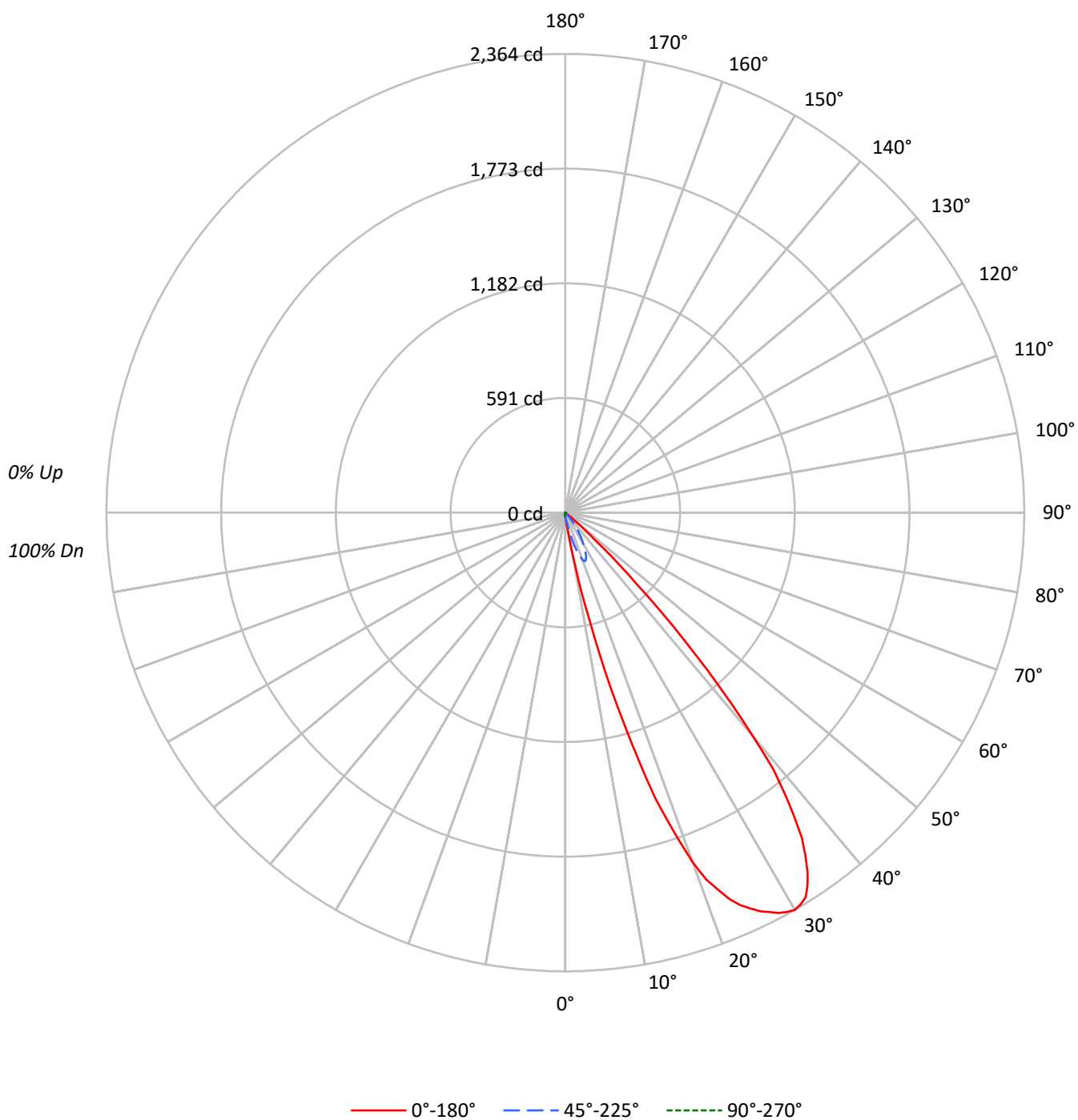
Lumens per Lamp: N/A  
Luminaire Lumens: 472.9 lumens  
Efficiency: N/A  
Efficacy: 65.7 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 3496   | 3496  | 3496 | 3496 | 3496 |
| 5°  | 8782   | 6483  | 3285 | 1677 | 1297 |
| 10° | 38351  | 11035 | 2693 | 769  | 542  |
| 15° | 182399 | 29740 | 1890 | 321  | 232  |
| 20° | 351101 | 47633 | 1210 | 73   | 73   |
| 25° | 427617 | 48058 | 665  | 0    | 0    |
| 30° | 470138 | 36770 | 259  | 0    | 0    |
| 35° | 453057 | 23379 | 84   | 0    | 0    |
| 40° | 338535 | 10117 | 0    | 0    | 90   |
| 45° | 125336 | 2679  | 97   | 97   | 317  |
| 50° | 14790  | 348   | 241  | 241  | 482  |
| 55° | 1471   | 0     | 270  | 390  | 661  |
| 60° | 138    | 0     | 448  | 620  | 758  |
| 65° | 163    | 163   | 734  | 897  | 1060 |
| 70° | 201    | 201   | 906  | 906  | 1309 |
| 75° | 266    | 266   | 865  | 865  | 1198 |
| 80° | 0      | 397   | 1289 | 893  | 1289 |
| 85° | 0      | 790   | 2569 | 790  | 790  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 125336 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.0    | 0.6       |
| 10°-20°   | 55.1   | 11.7      |
| 20°-30°   | 173.1  | 36.6      |
| 30°-40°   | 182.2  | 38.5      |
| 40°-50°   | 53.5   | 11.3      |
| 50°-60°   | 2.9    | 0.6       |
| 60°-70°   | 1.4    | 0.3       |
| 70°-80°   | 1.2    | 0.3       |
| 80°-90°   | 0.6    | 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°    | 231.2  | 48.9      |
| 0°-40°    | 413.4  | 87.4      |
| 0°-60°    | 469.8  | 99.3      |
| 0°-90°    | 472.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 472.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 20   | 20  | 20  | 20   | 20   |      |
| 5°  | 51   | 38  | 19  | 10   | 8    | 9    |
| 15° | 1023 | 167 | 11  | 2    | 1    | 322  |
| 25° | 2250 | 253 | 4   | 0    | 0    | 1032 |
| 35° | 2155 | 111 | 0   | 0    | 0    | 1300 |
| 45° | 515  | 11  | 0   | 0    | 1    | 468  |
| 55° | 5    | 0   | 1   | 1    | 2    | 12   |
| 65° | 0    | 0   | 2   | 2    | 3    | 0    |
| 75° | 0    | 0   | 1   | 1    | 2    | 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°    | 45°   | 67.5° | 90°  | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0°    | 20.3   | 20.3   | 20.3   | 20.3   | 20.3   | 20.3   | 20.3   | 20.3  | 20.3  | 20.3 | 20.3   |
| 2.5°  | 31.3   | 31.8   | 30.5   | 31.3   | 30.5   | 30.0   | 29.6   | 27.4  | 23.8  | 20.3 | 16.8   |
| 5°    | 50.8   | 50.8   | 48.5   | 48.1   | 47.2   | 45.5   | 43.7   | 37.5  | 26.9  | 19.0 | 13.2   |
| 7.5°  | 79.4   | 79.0   | 78.1   | 75.9   | 71.5   | 67.1   | 62.7   | 49.0  | 29.6  | 17.7 | 10.2   |
| 10°   | 219.3  | 216.2  | 212.3  | 188.4  | 161.5  | 137.7  | 116.9  | 63.1  | 31.8  | 15.4 | 7.5    |
| 12.5° | 545.0  | 527.4  | 485.4  | 437.8  | 376.9  | 312.9  | 250.2  | 102.8 | 32.7  | 12.8 | 5.3    |
| 15°   | 1023.0 | 986.3  | 921.0  | 825.7  | 701.2  | 561.4  | 442.2  | 166.8 | 31.8  | 10.6 | 4.0    |
| 17.5° | 1544.6 | 1509.3 | 1418.8 | 1274.1 | 1090.9 | 876.0  | 665.1  | 221.1 | 29.6  | 8.8  | 2.6    |
| 20°   | 1915.7 | 1878.2 | 1793.5 | 1639.9 | 1441.8 | 1155.4 | 875.6  | 259.9 | 27.8  | 6.6  | 1.3    |
| 21°   | 2024.3 | 1986.8 | 1897.2 | 1748.9 | 1540.6 | 1253.3 | 943.1  | 266.6 | 26.5  | 5.7  | 0.9    |
| 22°   | 2093.2 | 2071.1 | 1974.9 | 1831.0 | 1618.7 | 1331.9 | 1000.9 | 269.6 | 25.6  | 5.3  | 0.9    |
| 23°   | 2162.4 | 2129.3 | 2039.3 | 1887.5 | 1678.3 | 1390.1 | 1043.7 | 267.4 | 24.7  | 4.4  | 0.4    |
| 24°   | 2213.6 | 2185.8 | 2081.2 | 1931.2 | 1719.8 | 1425.9 | 1068.9 | 261.7 | 23.4  | 4.0  | 0.4    |
| 25°   | 2250.3 | 2224.7 | 2115.7 | 1960.8 | 1747.6 | 1445.3 | 1076.8 | 252.9 | 22.1  | 3.5  | 0.4    |
| 26°   | 2285.1 | 2257.3 | 2144.3 | 1978.0 | 1762.2 | 1451.5 | 1069.3 | 243.2 | 20.7  | 3.1  | 0.0    |
| 27°   | 2310.3 | 2282.0 | 2164.2 | 1988.1 | 1763.1 | 1444.0 | 1049.0 | 229.9 | 19.4  | 2.6  | 0.0    |
| 28°   | 2337.2 | 2304.5 | 2177.9 | 1993.9 | 1757.8 | 1426.3 | 1019.9 | 215.8 | 18.5  | 2.2  | 0.0    |
| 29°   | 2353.5 | 2322.6 | 2192.0 | 2000.0 | 1746.7 | 1396.8 | 977.5  | 199.0 | 16.3  | 1.3  | 0.0    |
| 30°   | 2364.1 | 2327.5 | 2190.7 | 1993.4 | 1732.2 | 1365.0 | 926.8  | 184.9 | 14.1  | 1.3  | 0.0    |
| 31°   | 2355.3 | 2316.9 | 2176.6 | 1974.9 | 1708.8 | 1323.5 | 874.7  | 167.3 | 11.5  | 0.9  | 0.0    |
| 32°   | 2336.3 | 2290.9 | 2151.9 | 1942.7 | 1666.8 | 1270.1 | 820.8  | 152.7 | 8.4   | 0.9  | 0.0    |
| 33°   | 2290.0 | 2251.6 | 2107.3 | 1899.4 | 1612.1 | 1197.7 | 750.7  | 138.6 | 5.7   | 0.4  | 0.0    |
| 34°   | 2231.7 | 2193.3 | 2046.4 | 1841.6 | 1538.9 | 1104.2 | 665.5  | 124.0 | 4.9   | 0.4  | 0.0    |
| 35°   | 2154.9 | 2117.0 | 1977.5 | 1760.8 | 1441.8 | 991.6  | 577.7  | 111.2 | 4.0   | 0.4  | 0.0    |
| 36°   | 2074.2 | 2023.9 | 1890.6 | 1674.8 | 1311.6 | 863.7  | 483.7  | 96.6  | 3.1   | 0.4  | 0.0    |
| 37°   | 1955.5 | 1921.5 | 1773.6 | 1543.7 | 1170.8 | 741.0  | 415.3  | 83.4  | 2.2   | 0.4  | 0.0    |
| 38°   | 1832.3 | 1801.0 | 1656.7 | 1411.8 | 1013.7 | 619.6  | 347.8  | 70.6  | 1.8   | 0.0  | 0.0    |
| 39°   | 1705.2 | 1653.2 | 1510.6 | 1242.7 | 849.1  | 519.0  | 292.6  | 59.1  | 0.9   | 0.0  | 0.0    |
| 40°   | 1505.8 | 1466.0 | 1313.8 | 1039.7 | 702.6  | 420.6  | 249.3  | 45.0  | 0.9   | 0.0  | 0.0    |
| 42.5° | 998.3  | 961.2  | 801.4  | 564.0  | 373.4  | 245.8  | 164.6  | 17.7  | 0.0   | 0.4  | 0.0    |
| 45°   | 514.6  | 491.2  | 398.9  | 295.2  | 211.8  | 150.9  | 105.9  | 11.0  | 0.0   | 0.4  | 0.4    |
| 47.5° | 204.3  | 200.4  | 180.9  | 156.2  | 120.5  | 89.6   | 57.8   | 4.9   | 0.0   | 0.4  | 0.4    |
| 50°   | 55.2   | 55.6   | 52.1   | 48.1   | 43.7   | 41.0   | 24.3   | 1.3   | 0.0   | 0.9  | 0.4    |
| 52.5° | 23.4   | 23.8   | 22.9   | 21.6   | 19.4   | 14.6   | 9.7    | 0.4   | 0.4   | 0.9  | 0.9    |
| 55°   | 4.9    | 5.3    | 5.7    | 6.2    | 7.1    | 6.2    | 4.0    | 0.0   | 0.4   | 0.9  | 0.9    |
| 57.5° | 0.9    | 0.9    | 0.9    | 0.9    | 1.3    | 1.3    | 0.9    | 0.0   | 0.4   | 0.9  | 1.3    |
| 60°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.0    | 0.0    | 0.0   | 0.9   | 1.3  | 1.3    |
| 62.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.9   | 1.3  | 1.8    |
| 65°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.9   | 1.8  | 1.8    |
| 67.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 1.3   | 1.8  | 1.8    |
| 70°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 1.3   | 1.8  | 1.8    |
| 72.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 1.3   | 1.8  | 1.3    |
| 75°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 1.3   | 1.3  | 1.3    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4    | 0.4   | 0.9   | 1.3  | 1.3    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4    | 0.4   | 0.9   | 1.3  | 0.9    |



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

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 20.3 | 20.3   | 20.3 |
| 2.5°  | 14.1 | 12.8   | 12.4 |
| 5°    | 9.7  | 8.4    | 7.5  |
| 7.5°  | 6.6  | 5.3    | 4.9  |
| 10°   | 4.4  | 3.5    | 3.1  |
| 12.5° | 3.1  | 1.8    | 1.8  |
| 15°   | 1.8  | 1.3    | 1.3  |
| 17.5° | 0.9  | 0.4    | 0.4  |
| 20°   | 0.4  | 0.4    | 0.4  |
| 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    | 0.4  |
| 39°   | 0.0  | 0.4    | 0.4  |
| 40°   | 0.0  | 0.4    | 0.4  |
| 42.5° | 0.0  | 0.4    | 0.9  |
| 45°   | 0.4  | 0.9    | 1.3  |
| 47.5° | 0.9  | 1.3    | 1.8  |
| 50°   | 0.9  | 1.8    | 1.8  |
| 52.5° | 1.3  | 1.8    | 2.2  |
| 55°   | 1.3  | 2.2    | 2.2  |
| 57.5° | 1.8  | 2.2    | 2.6  |
| 60°   | 1.8  | 2.2    | 2.2  |
| 62.5° | 1.8  | 2.6    | 2.6  |
| 65°   | 2.2  | 2.6    | 2.6  |
| 67.5° | 2.2  | 2.6    | 2.6  |
| 70°   | 1.8  | 2.2    | 2.6  |
| 72.5° | 1.8  | 2.2    | 2.2  |
| 75°   | 1.3  | 1.8    | 1.8  |
| 77.5° | 1.3  | 1.3    | 1.8  |
| 80°   | 0.9  | 1.3    | 1.3  |



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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.9  | 0.9    | 0.9  |
| 85°   | 0.4  | 0.4    | 0.4  |
| 87.5° | 0.4  | 0.4    | 0.4  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)