

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: P1337411

Luminaire Tested: P3A05R259730DE010 E3CA301MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337411  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R259730DE010 E3CA301MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3CA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

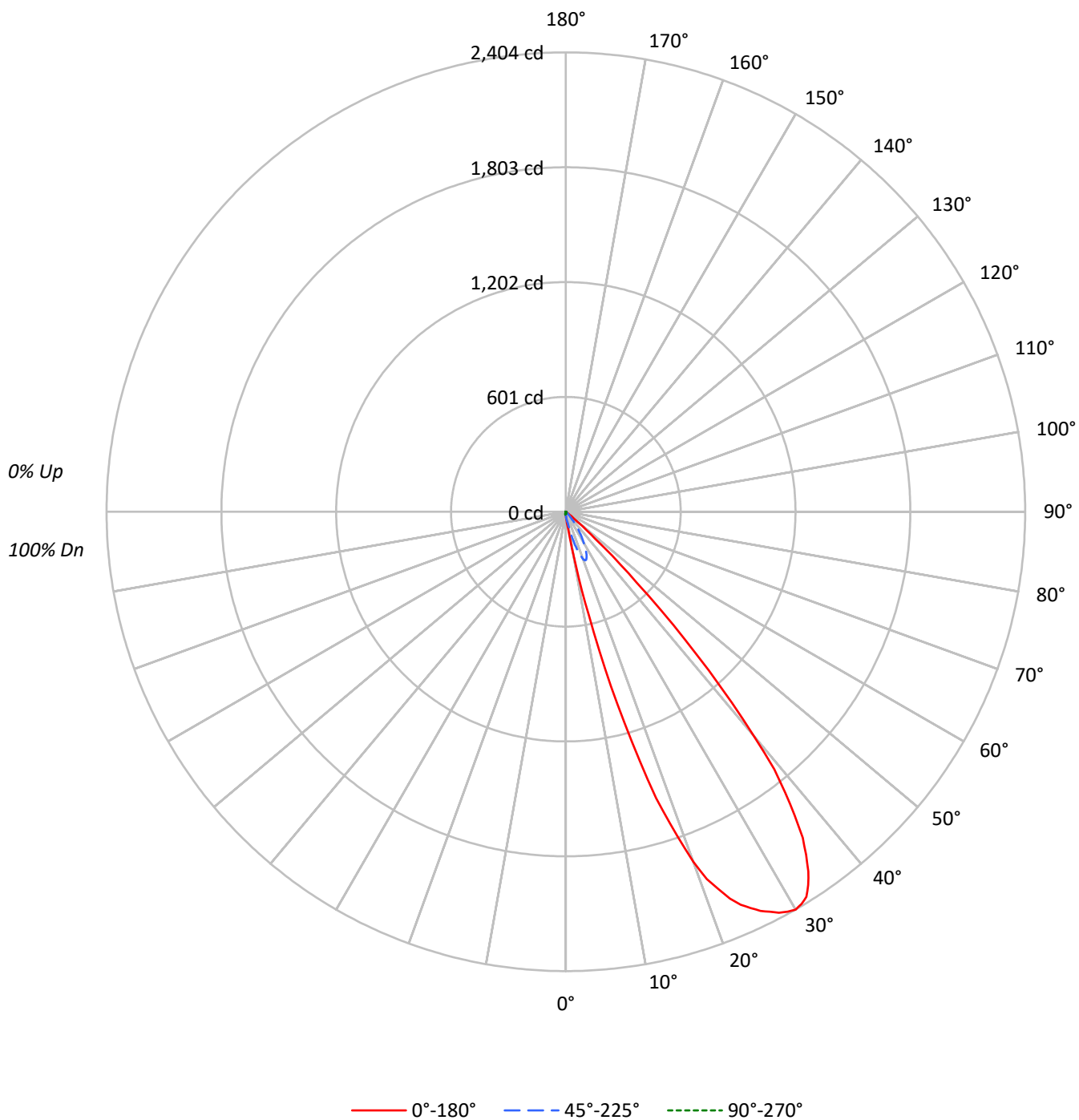
Lumens per Lamp: N/A  
Luminaire Lumens: 480.9 lumens  
Efficiency: N/A  
Efficacy: 66.8 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  |
| 2   | 106 | 100 | 95  | 92  | 104 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  |
| 6   | 81  | 71  | 63  | 58  | 79  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 60  | 57  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  |
| 8   | 71  | 60  | 52  | 48  | 70  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 42  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 4517   | 4517  | 4517 | 4517 | 4517 |
| 5°  | 11358  | 8387  | 4248 | 2179 | 1673 |
| 10° | 49654  | 14295 | 3496 | 1002 | 690  |
| 15° | 236165 | 38502 | 2452 | 409  | 295  |
| 20° | 454620 | 61675 | 1563 | 93   | 93   |
| 25° | 553653 | 62229 | 871  | 0    | 0    |
| 30° | 608727 | 47602 | 329  | 0    | 0    |
| 35° | 586621 | 30276 | 107  | 0    | 0    |
| 40° | 438307 | 13110 | 0    | 0    | 115  |
| 45° | 162280 | 3473  | 124  | 124  | 403  |
| 50° | 19138  | 443   | 307  | 307  | 614  |
| 55° | 1873   | 0     | 344  | 497  | 841  |
| 60° | 175    | 0     | 570  | 789  | 965  |
| 65° | 208    | 208   | 934  | 1141 | 1401 |
| 70° | 256    | 256   | 1154 | 1154 | 1731 |
| 75° | 339    | 339   | 1101 | 1101 | 1525 |
| 80° | 0      | 505   | 1642 | 1137 | 1642 |
| 85° | 0      | 1006  | 3271 | 1006 | 1006 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 162280 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.0    | 0.6       |
| 10°-20°   | 56.1   | 11.7      |
| 20°-30°   | 176.0  | 36.6      |
| 30°-40°   | 185.3  | 38.5      |
| 40°-50°   | 54.4   | 11.3      |
| 50°-60°   | 2.9    | 0.6       |
| 60°-70°   | 1.4    | 0.3       |
| 70°-80°   | 1.2    | 0.2       |
| 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       |
| 0°-30°    | 235.1  | 48.9      |
| 0°-40°    | 420.4  | 87.4      |
| 0°-60°    | 477.7  | 99.3      |
| 0°-90°    | 480.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 480.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 21   | 21  | 21  | 21   | 21   |      |
| 5°  | 52   | 38  | 19  | 10   | 8    | 9    |
| 15° | 1040 | 170 | 11  | 2    | 1    | 328  |
| 25° | 2288 | 257 | 4   | 0    | 0    | 1050 |
| 35° | 2191 | 113 | 0   | 0    | 0    | 1322 |
| 45° | 523  | 11  | 0   | 0    | 1    | 476  |
| 55° | 5    | 0   | 1   | 1    | 2    | 13   |
| 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°    | 20.6   | 20.6   | 20.6   | 20.6   | 20.6   | 20.6   | 20.6   | 20.6  | 20.6  | 20.6 | 20.6   |
| 2.5°  | 31.9   | 32.3   | 31.0   | 31.9   | 31.0   | 30.5   | 30.1   | 27.8  | 24.2  | 20.6 | 17.1   |
| 5°    | 51.6   | 51.6   | 49.4   | 48.9   | 48.0   | 46.2   | 44.4   | 38.1  | 27.4  | 19.3 | 13.5   |
| 7.5°  | 80.8   | 80.3   | 79.4   | 77.2   | 72.7   | 68.2   | 63.7   | 49.8  | 30.1  | 18.0 | 10.3   |
| 10°   | 223.0  | 219.9  | 215.9  | 191.6  | 164.3  | 140.0  | 118.9  | 64.2  | 32.3  | 15.7 | 7.6    |
| 12.5° | 554.2  | 536.3  | 493.7  | 445.2  | 383.3  | 318.2  | 254.5  | 104.6 | 33.2  | 13.0 | 5.4    |
| 15°   | 1040.3 | 1003.0 | 936.6  | 839.7  | 713.1  | 570.8  | 449.7  | 169.6 | 32.3  | 10.8 | 4.0    |
| 17.5° | 1570.7 | 1534.8 | 1442.8 | 1295.6 | 1109.4 | 890.8  | 676.3  | 224.8 | 30.1  | 9.0  | 2.7    |
| 20°   | 1948.2 | 1910.0 | 1823.8 | 1667.7 | 1466.2 | 1174.9 | 890.4  | 264.3 | 28.3  | 6.7  | 1.3    |
| 21°   | 2058.5 | 2020.4 | 1929.3 | 1778.5 | 1566.7 | 1274.5 | 959.0  | 271.1 | 26.9  | 5.8  | 0.9    |
| 22°   | 2128.6 | 2106.1 | 2008.3 | 1862.0 | 1646.1 | 1354.4 | 1017.8 | 274.2 | 26.0  | 5.4  | 0.9    |
| 23°   | 2199.0 | 2165.4 | 2073.8 | 1919.4 | 1706.7 | 1413.7 | 1061.4 | 272.0 | 25.1  | 4.5  | 0.4    |
| 24°   | 2251.1 | 2222.8 | 2116.4 | 1963.9 | 1748.9 | 1450.0 | 1086.9 | 266.1 | 23.8  | 4.0  | 0.4    |
| 25°   | 2288.3 | 2262.3 | 2151.4 | 1993.9 | 1777.2 | 1469.8 | 1095.0 | 257.2 | 22.4  | 3.6  | 0.4    |
| 26°   | 2323.8 | 2295.5 | 2180.6 | 2011.4 | 1792.0 | 1476.0 | 1087.4 | 247.3 | 21.1  | 3.1  | 0.0    |
| 27°   | 2349.4 | 2320.6 | 2200.8 | 2021.7 | 1792.9 | 1468.4 | 1066.7 | 233.8 | 19.7  | 2.7  | 0.0    |
| 28°   | 2376.7 | 2343.5 | 2214.7 | 2027.6 | 1787.5 | 1450.5 | 1037.1 | 219.5 | 18.8  | 2.2  | 0.0    |
| 29°   | 2393.3 | 2361.9 | 2229.1 | 2033.9 | 1776.3 | 1420.4 | 994.0  | 202.4 | 16.6  | 1.3  | 0.0    |
| 30°   | 2404.1 | 2366.9 | 2227.7 | 2027.1 | 1761.5 | 1388.1 | 942.4  | 188.0 | 14.4  | 1.3  | 0.0    |
| 31°   | 2395.1 | 2356.1 | 2213.4 | 2008.3 | 1737.7 | 1345.9 | 889.5  | 170.1 | 11.7  | 0.9  | 0.0    |
| 32°   | 2375.8 | 2329.6 | 2188.2 | 1975.5 | 1695.0 | 1291.6 | 834.7  | 155.3 | 8.5   | 0.9  | 0.0    |
| 33°   | 2328.7 | 2289.7 | 2142.9 | 1931.5 | 1639.4 | 1218.0 | 763.4  | 140.9 | 5.8   | 0.4  | 0.0    |
| 34°   | 2269.5 | 2230.4 | 2081.0 | 1872.8 | 1564.9 | 1122.8 | 676.8  | 126.1 | 4.9   | 0.4  | 0.0    |
| 35°   | 2191.4 | 2152.8 | 2011.0 | 1790.6 | 1466.2 | 1008.4 | 587.5  | 113.1 | 4.0   | 0.4  | 0.0    |
| 36°   | 2109.3 | 2058.1 | 1922.6 | 1703.1 | 1333.8 | 878.3  | 491.9  | 98.3  | 3.1   | 0.4  | 0.0    |
| 37°   | 1988.5 | 1954.0 | 1803.6 | 1569.8 | 1190.6 | 753.5  | 422.3  | 84.8  | 2.2   | 0.4  | 0.0    |
| 38°   | 1863.3 | 1831.5 | 1684.7 | 1435.6 | 1030.8 | 630.1  | 353.6  | 71.8  | 1.8   | 0.0  | 0.0    |
| 39°   | 1734.1 | 1681.1 | 1536.2 | 1263.8 | 863.5  | 527.8  | 297.5  | 60.1  | 0.9   | 0.0  | 0.0    |
| 40°   | 1531.2 | 1490.8 | 1336.0 | 1057.3 | 714.5  | 427.7  | 253.6  | 45.8  | 0.9   | 0.0  | 0.0    |
| 42.5° | 1015.1 | 977.4  | 815.0  | 573.5  | 379.7  | 250.0  | 167.4  | 18.0  | 0.0   | 0.4  | 0.0    |
| 45°   | 523.3  | 499.5  | 405.7  | 300.2  | 215.4  | 153.5  | 107.7  | 11.2  | 0.0   | 0.4  | 0.4    |
| 47.5° | 207.8  | 203.7  | 184.0  | 158.9  | 122.5  | 91.1   | 58.8   | 4.9   | 0.0   | 0.4  | 0.4    |
| 50°   | 56.1   | 56.5   | 53.0   | 48.9   | 44.4   | 41.7   | 24.7   | 1.3   | 0.0   | 0.9  | 0.4    |
| 52.5° | 23.8   | 24.2   | 23.3   | 22.0   | 19.7   | 14.8   | 9.9    | 0.4   | 0.4   | 0.9  | 0.9    |
| 55°   | 4.9    | 5.4    | 5.8    | 6.3    | 7.2    | 6.3    | 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°    | 20.6 | 20.6   | 20.6 |
| 2.5°  | 14.4 | 13.0   | 12.6 |
| 5°    | 9.9  | 8.5    | 7.6  |
| 7.5°  | 6.7  | 5.4    | 4.9  |
| 10°   | 4.5  | 3.6    | 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    | 2.7  |
| 60°   | 1.8  | 2.2    | 2.2  |
| 62.5° | 1.8  | 2.7    | 2.7  |
| 65°   | 2.2  | 2.7    | 2.7  |
| 67.5° | 2.2  | 2.7    | 2.7  |
| 70°   | 1.8  | 2.2    | 2.7  |
| 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)