

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: P1337357

Luminaire Tested: P3A05R259040DE010 E3A301MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337357  
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: P3A05R259040DE010 E3A301MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3A301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

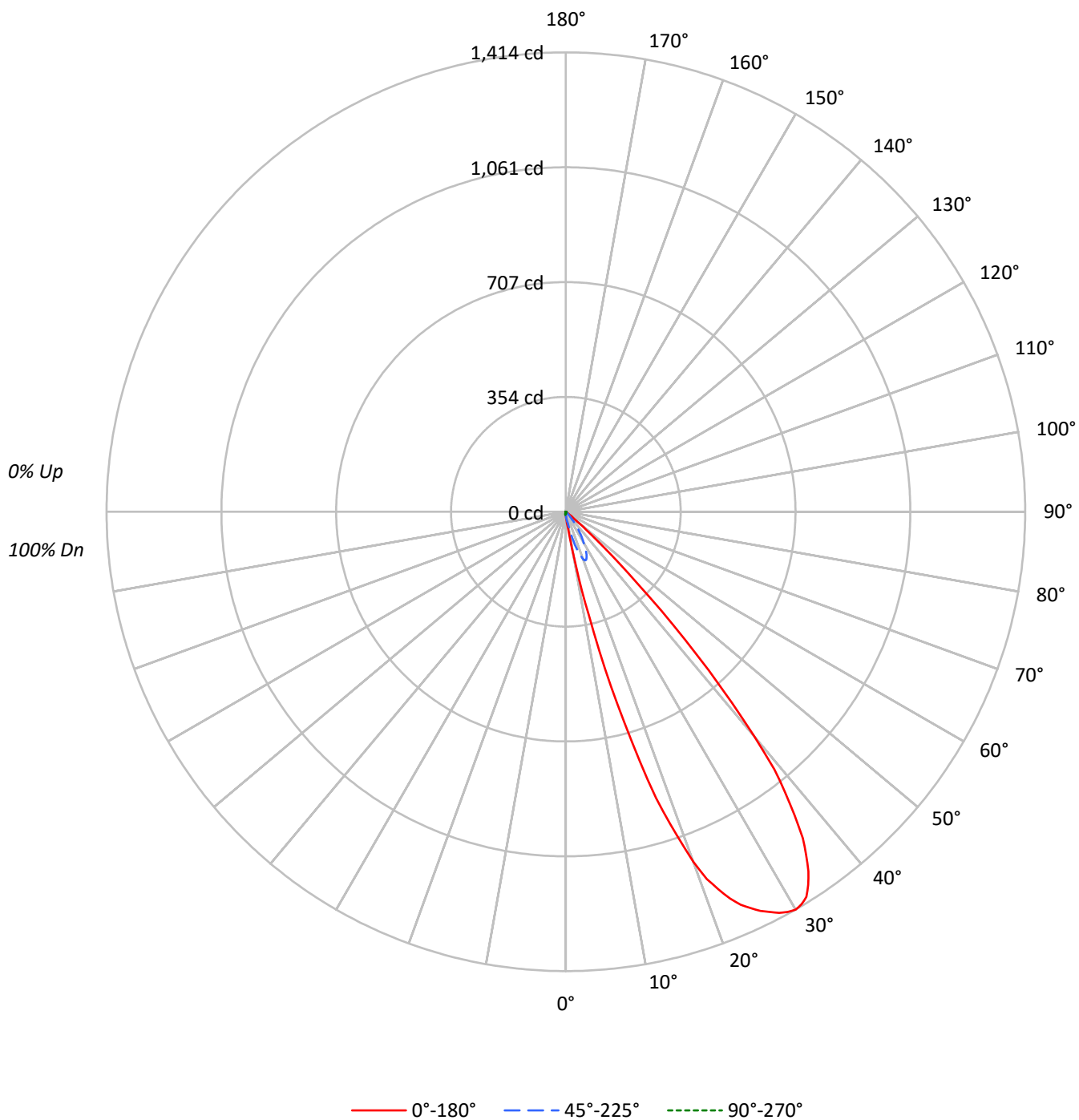
Lumens per Lamp: N/A  
Luminaire Lumens: 283.1 lumens  
Efficiency: N/A  
Efficacy: 39.3 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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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CATALOG NUMBER: P3A05R259040DE010 E3A301MW

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

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 2653   | 2653  | 2653 | 2653 | 2653 |
| 5°  | 6692   | 4931  | 2509 | 1277 | 991  |
| 10° | 29213  | 8417  | 2049 | 579  | 401  |
| 15° | 138957 | 22656 | 1430 | 250  | 182  |
| 20° | 267470 | 36286 | 933  | 70   | 70   |
| 25° | 325761 | 36607 | 508  | 0    | 0    |
| 30° | 358156 | 28004 | 203  | 0    | 0    |
| 35° | 345136 | 17802 | 80   | 0    | 0    |
| 40° | 257883 | 7700  | 0    | 0    | 86   |
| 45° | 95483  | 2047  | 93   | 93   | 248  |
| 50° | 11258  | 273   | 171  | 171  | 375  |
| 55° | 1109   | 0     | 191  | 306  | 497  |
| 60° | 132    | 0     | 351  | 482  | 570  |
| 65° | 156    | 156   | 571  | 675  | 830  |
| 70° | 192    | 192   | 705  | 705  | 1026 |
| 75° | 254    | 254   | 678  | 678  | 932  |
| 80° | 0      | 379   | 1010 | 631  | 1010 |
| 85° | 0      | 755   | 2013 | 755  | 755  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 95483 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.8    | 0.6       |
| 10°-20°   | 33.0   | 11.7      |
| 20°-30°   | 103.6  | 36.6      |
| 30°-40°   | 109.0  | 38.5      |
| 40°-50°   | 32.0   | 11.3      |
| 50°-60°   | 1.7    | 0.6       |
| 60°-70°   | 0.9    | 0.3       |
| 70°-80°   | 0.7    | 0.3       |
| 80°-90°   | 0.4    | 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°    | 138.3  | 48.9      |
| 0°-40°    | 247.3  | 87.4      |
| 0°-60°    | 281.1  | 99.3      |
| 0°-90°    | 283.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 283.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 12   | 12  | 12  | 12   | 12   |      |
| 5°  | 30   | 22  | 11  | 6    | 4    | 5    |
| 15° | 612  | 100 | 6   | 1    | 1    | 193  |
| 25° | 1346 | 151 | 2   | 0    | 0    | 618  |
| 35° | 1289 | 66  | 0   | 0    | 0    | 778  |
| 45° | 308  | 7   | 0   | 0    | 1    | 280  |
| 55° | 3    | 0   | 0   | 1    | 1    | 7    |
| 65° | 0    | 0   | 1   | 1    | 2    | 0    |
| 75° | 0    | 0   | 1   | 1    | 1    | 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°    | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1  | 12.1  | 12.1  | 12.1  | 12.1 | 12.1   |
| 2.5°  | 18.7   | 19.0   | 18.2   | 18.7   | 18.2   | 18.0  | 17.7  | 16.4  | 14.3  | 12.1 | 10.0   |
| 5°    | 30.4   | 30.4   | 29.0   | 28.8   | 28.3   | 27.2  | 26.1  | 22.4  | 16.1  | 11.4 | 7.9    |
| 7.5°  | 47.5   | 47.3   | 46.7   | 45.4   | 42.8   | 40.1  | 37.5  | 29.3  | 17.7  | 10.6 | 6.1    |
| 10°   | 131.2  | 129.4  | 127.0  | 112.7  | 96.6   | 82.4  | 70.0  | 37.8  | 19.0  | 9.2  | 4.5    |
| 12.5° | 326.1  | 315.5  | 290.4  | 261.9  | 225.5  | 187.2 | 149.7 | 61.5  | 19.5  | 7.7  | 3.2    |
| 15°   | 612.1  | 590.1  | 551.1  | 494.0  | 419.6  | 335.9 | 264.6 | 99.8  | 19.0  | 6.3  | 2.4    |
| 17.5° | 924.1  | 903.0  | 848.9  | 762.3  | 652.7  | 524.1 | 397.9 | 132.3 | 17.7  | 5.3  | 1.6    |
| 20°   | 1146.2 | 1123.8 | 1073.1 | 981.2  | 862.6  | 691.3 | 523.9 | 155.5 | 16.6  | 4.0  | 0.8    |
| 21°   | 1211.2 | 1188.7 | 1135.1 | 1046.4 | 921.8  | 749.9 | 564.3 | 159.5 | 15.8  | 3.4  | 0.5    |
| 22°   | 1252.4 | 1239.2 | 1181.6 | 1095.5 | 968.5  | 796.9 | 598.8 | 161.3 | 15.3  | 3.2  | 0.5    |
| 23°   | 1293.8 | 1274.0 | 1220.1 | 1129.3 | 1004.2 | 831.7 | 624.5 | 160.0 | 14.8  | 2.6  | 0.3    |
| 24°   | 1324.4 | 1307.8 | 1245.2 | 1155.5 | 1029.0 | 853.1 | 639.5 | 156.6 | 14.0  | 2.4  | 0.3    |
| 25°   | 1346.4 | 1331.0 | 1265.8 | 1173.1 | 1045.6 | 864.7 | 644.3 | 151.3 | 13.2  | 2.1  | 0.3    |
| 26°   | 1367.2 | 1350.6 | 1283.0 | 1183.4 | 1054.3 | 868.4 | 639.8 | 145.5 | 12.4  | 1.8  | 0.0    |
| 27°   | 1382.3 | 1365.4 | 1294.9 | 1189.5 | 1054.9 | 863.9 | 627.6 | 137.6 | 11.6  | 1.6  | 0.0    |
| 28°   | 1398.4 | 1378.8 | 1303.1 | 1192.9 | 1051.7 | 853.4 | 610.2 | 129.1 | 11.1  | 1.3  | 0.0    |
| 29°   | 1408.1 | 1389.7 | 1311.5 | 1196.6 | 1045.1 | 835.7 | 584.9 | 119.1 | 9.8   | 0.8  | 0.0    |
| 30°   | 1414.5 | 1392.6 | 1310.7 | 1192.7 | 1036.4 | 816.7 | 554.5 | 110.6 | 8.4   | 0.8  | 0.0    |
| 31°   | 1409.2 | 1386.2 | 1302.3 | 1181.6 | 1022.4 | 791.9 | 523.3 | 100.1 | 6.9   | 0.5  | 0.0    |
| 32°   | 1397.8 | 1370.6 | 1287.5 | 1162.3 | 997.3  | 759.9 | 491.1 | 91.4  | 5.0   | 0.5  | 0.0    |
| 33°   | 1370.1 | 1347.1 | 1260.8 | 1136.4 | 964.5  | 716.6 | 449.1 | 82.9  | 3.4   | 0.3  | 0.0    |
| 34°   | 1335.3 | 1312.3 | 1224.4 | 1101.8 | 920.7  | 660.6 | 398.2 | 74.2  | 2.9   | 0.3  | 0.0    |
| 35°   | 1289.3 | 1266.6 | 1183.2 | 1053.5 | 862.6  | 593.3 | 345.6 | 66.5  | 2.4   | 0.3  | 0.0    |
| 36°   | 1241.0 | 1210.9 | 1131.2 | 1002.0 | 784.7  | 516.7 | 289.4 | 57.8  | 1.8   | 0.3  | 0.0    |
| 37°   | 1170.0 | 1149.6 | 1061.2 | 923.6  | 700.5  | 443.3 | 248.5 | 49.9  | 1.3   | 0.3  | 0.0    |
| 38°   | 1096.3 | 1077.6 | 991.2  | 844.7  | 606.5  | 370.7 | 208.1 | 42.2  | 1.1   | 0.0  | 0.0    |
| 39°   | 1020.3 | 989.1  | 903.8  | 743.5  | 508.0  | 310.5 | 175.1 | 35.4  | 0.5   | 0.0  | 0.0    |
| 40°   | 900.9  | 877.1  | 786.1  | 622.1  | 420.4  | 251.6 | 149.2 | 26.9  | 0.5   | 0.0  | 0.0    |
| 42.5° | 597.3  | 575.1  | 479.5  | 337.4  | 223.4  | 147.1 | 98.5  | 10.6  | 0.0   | 0.3  | 0.0    |
| 45°   | 307.9  | 293.9  | 238.7  | 176.6  | 126.7  | 90.3  | 63.4  | 6.6   | 0.0   | 0.3  | 0.3    |
| 47.5° | 122.3  | 119.9  | 108.3  | 93.5   | 72.1   | 53.6  | 34.6  | 2.9   | 0.0   | 0.3  | 0.3    |
| 50°   | 33.0   | 33.3   | 31.2   | 28.8   | 26.1   | 24.6  | 14.5  | 0.8   | 0.0   | 0.5  | 0.3    |
| 52.5° | 14.0   | 14.3   | 13.7   | 12.9   | 11.6   | 8.7   | 5.8   | 0.3   | 0.3   | 0.5  | 0.5    |
| 55°   | 2.9    | 3.2    | 3.4    | 3.7    | 4.2    | 3.7   | 2.4   | 0.0   | 0.3   | 0.5  | 0.5    |
| 57.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.8    | 0.8   | 0.5   | 0.0   | 0.3   | 0.5  | 0.8    |
| 60°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.0   | 0.0   | 0.0   | 0.5   | 0.8  | 0.8    |
| 62.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.5   | 0.8  | 1.1    |
| 65°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.5   | 1.1  | 1.1    |
| 67.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.8   | 1.1  | 1.1    |
| 70°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.8   | 1.1  | 1.1    |
| 72.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.8   | 1.1  | 0.8    |
| 75°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    | 0.3   | 0.3   | 0.3   | 0.8   | 0.8  | 0.8    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3   | 0.3   | 0.3   | 0.5   | 0.8  | 0.8    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3   | 0.3   | 0.3   | 0.5   | 0.8  | 0.5    |



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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 | 0.3 | 0.3 | 0.5   | 0.8 | 0.5    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5   | 0.8 | 0.5    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5   | 0.8 | 0.5    |
| 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°    | 12.1 | 12.1   | 12.1 |
| 2.5°  | 8.4  | 7.7    | 7.4  |
| 5°    | 5.8  | 5.0    | 4.5  |
| 7.5°  | 4.0  | 3.2    | 2.9  |
| 10°   | 2.6  | 2.1    | 1.8  |
| 12.5° | 1.8  | 1.1    | 1.1  |
| 15°   | 1.1  | 0.8    | 0.8  |
| 17.5° | 0.5  | 0.3    | 0.3  |
| 20°   | 0.3  | 0.3    | 0.3  |
| 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    | 0.3  |
| 39°   | 0.0  | 0.3    | 0.3  |
| 40°   | 0.0  | 0.3    | 0.3  |
| 42.5° | 0.0  | 0.3    | 0.5  |
| 45°   | 0.3  | 0.5    | 0.8  |
| 47.5° | 0.5  | 0.8    | 1.1  |
| 50°   | 0.5  | 1.1    | 1.1  |
| 52.5° | 0.8  | 1.1    | 1.3  |
| 55°   | 0.8  | 1.3    | 1.3  |
| 57.5° | 1.1  | 1.3    | 1.6  |
| 60°   | 1.1  | 1.3    | 1.3  |
| 62.5° | 1.1  | 1.6    | 1.6  |
| 65°   | 1.3  | 1.6    | 1.6  |
| 67.5° | 1.3  | 1.6    | 1.6  |
| 70°   | 1.1  | 1.3    | 1.6  |
| 72.5° | 1.1  | 1.3    | 1.3  |
| 75°   | 0.8  | 1.1    | 1.1  |
| 77.5° | 0.8  | 0.8    | 1.1  |
| 80°   | 0.5  | 0.8    | 0.8  |



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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.5  | 0.5    | 0.5  |
| 85°   | 0.3  | 0.3    | 0.3  |
| 87.5° | 0.3  | 0.3    | 0.3  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)