

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: P1334798

Luminaire Tested: P3A02R259830DE010 E3A301H

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1334798  
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: P3A02R259830DE010 E3A301H  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3A301H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

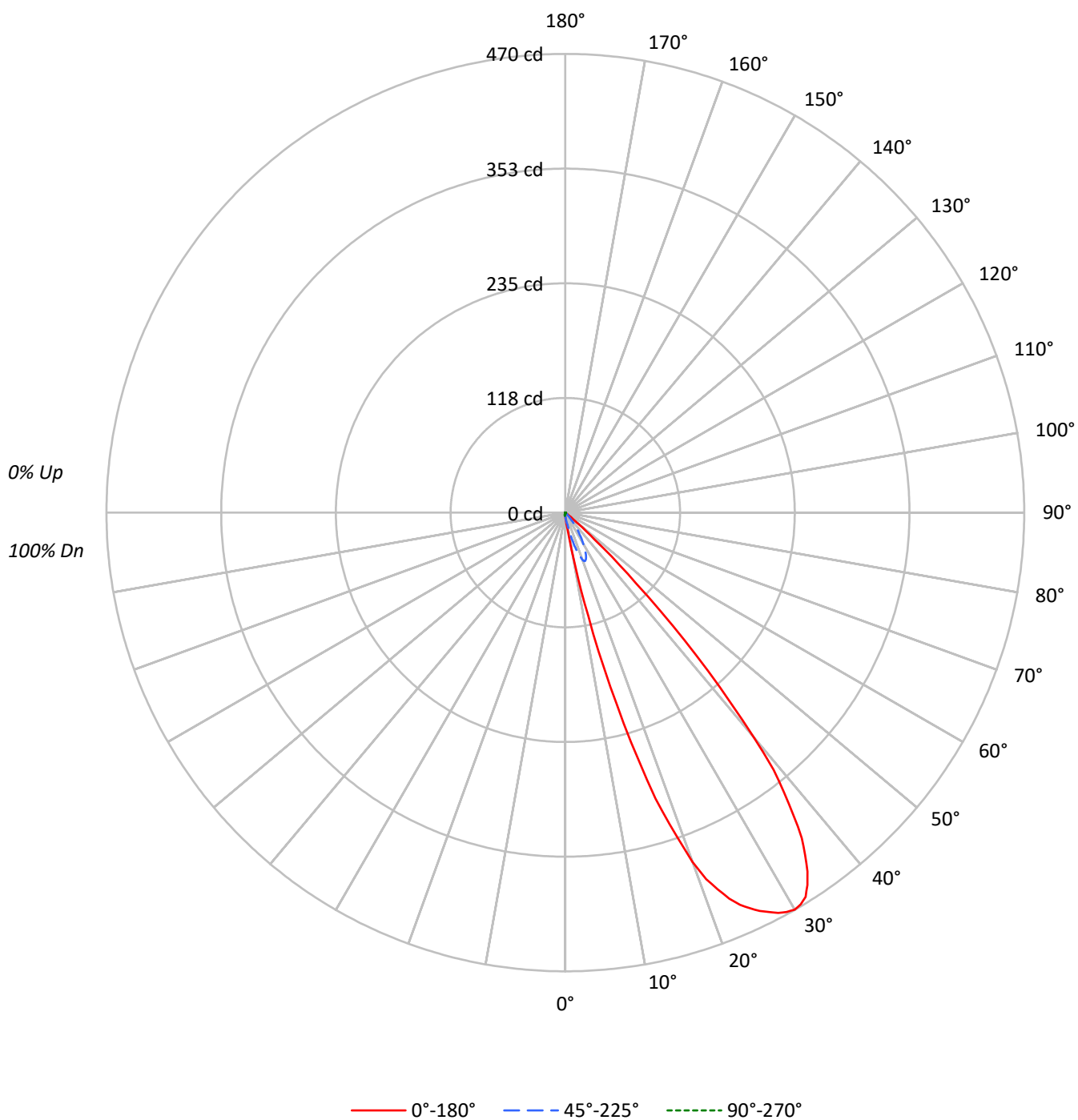
Lumens per Lamp: N/A  
Luminaire Lumens: 94.1 lumens  
Efficiency: N/A  
Efficacy: 26.1 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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  | 92  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 88  |  | 92  | 89  | 87  |  | 89  | 87  | 85  | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 80  | 87  | 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  | 51  | 50  |
| 8   | 71  | 60  | 52  | 48  | 69  | 59  | 52  | 47  | 58  | 52  | 47  |  | 57  | 51  | 47  |  | 56  | 50  | 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  | 43  | 39  | 49  | 43  | 39  |  | 48  | 43  | 39  |  | 48  | 42  | 39  | 37  |

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

|     | 0°     | 45°   | 90° | 135° | 180° |
|-----|--------|-------|-----|------|------|
| 0°  | 877    | 877   | 877 | 877  | 877  |
| 5°  | 2223   | 1651  | 836 | 418  | 330  |
| 10° | 9708   | 2783  | 690 | 200  | 134  |
| 15° | 46152  | 7537  | 477 | 91   | 68   |
| 20° | 88838  | 12064 | 303 | 23   | 23   |
| 25° | 108200 | 12170 | 169 | 0    | 0    |
| 30° | 118955 | 9293  | 76  | 0    | 0    |
| 35° | 114653 | 5916  | 27  | 0    | 0    |
| 40° | 85646  | 2548  | 0   | 0    | 29   |
| 45° | 31724  | 682   | 31  | 31   | 93   |
| 50° | 3753   | 102   | 68  | 68   | 136  |
| 55° | 382    | 0     | 76  | 115  | 153  |
| 60° | 44     | 0     | 132 | 175  | 175  |
| 65° | 52     | 52    | 208 | 208  | 259  |
| 70° | 64     | 64    | 256 | 256  | 321  |
| 75° | 85     | 85    | 254 | 254  | 339  |
| 80° | 0      | 126   | 379 | 253  | 379  |
| 85° | 0      | 252   | 755 | 252  | 252  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31724 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.6    | 0.6       |
| 10°-20°   | 11.0   | 11.7      |
| 20°-30°   | 34.4   | 36.6      |
| 30°-40°   | 36.2   | 38.5      |
| 40°-50°   | 10.6   | 11.3      |
| 50°-60°   | 0.6    | 0.6       |
| 60°-70°   | 0.3    | 0.3       |
| 70°-80°   | 0.3    | 0.3       |
| 80°-90°   | 0.1    | 0.2       |
| 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°    | 45.9   | 48.8      |
| 0°-40°    | 82.2   | 87.3      |
| 0°-60°    | 93.4   | 99.3      |
| 0°-90°    | 94.1   | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 94.1   | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 4   | 4   | 4   | 4    | 4    |      |
| 5°  | 10  | 8   | 4   | 2    | 2    | 2    |
| 15° | 203 | 33  | 2   | 0    | 0    | 64   |
| 25° | 447 | 50  | 1   | 0    | 0    | 205  |
| 35° | 428 | 22  | 0   | 0    | 0    | 258  |
| 45° | 102 | 2   | 0   | 0    | 0    | 93   |
| 55° | 1   | 0   | 0   | 0    | 0    | 2    |
| 65° | 0   | 0   | 0   | 0    | 0    | 0    |
| 75° | 0   | 0   | 0   | 0    | 0    | 0    |
| 85° | 0   | 0   | 0   | 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°    | 4.0   | 4.0   | 4.0   | 4.0   | 4.0   | 4.0   | 4.0   | 4.0  | 4.0   | 4.0 | 4.0    |
| 2.5°  | 6.2   | 6.3   | 6.1   | 6.2   | 6.1   | 6.0   | 5.9   | 5.4  | 4.7   | 4.0 | 3.3    |
| 5°    | 10.1  | 10.1  | 9.6   | 9.6   | 9.4   | 9.0   | 8.7   | 7.5  | 5.3   | 3.8 | 2.6    |
| 7.5°  | 15.8  | 15.7  | 15.5  | 15.1  | 14.2  | 13.3  | 12.5  | 9.7  | 5.9   | 3.5 | 2.0    |
| 10°   | 43.6  | 43.0  | 42.2  | 37.4  | 32.1  | 27.4  | 23.2  | 12.5 | 6.3   | 3.1 | 1.5    |
| 12.5° | 108.3 | 104.8 | 96.5  | 87.0  | 74.9  | 62.2  | 49.7  | 20.4 | 6.5   | 2.5 | 1.1    |
| 15°   | 203.3 | 196.0 | 183.0 | 164.1 | 139.4 | 111.6 | 87.9  | 33.2 | 6.3   | 2.1 | 0.8    |
| 17.5° | 307.0 | 299.9 | 282.0 | 253.2 | 216.8 | 174.1 | 132.2 | 43.9 | 5.9   | 1.8 | 0.5    |
| 20°   | 380.7 | 373.3 | 356.4 | 325.9 | 286.5 | 229.6 | 174.0 | 51.7 | 5.5   | 1.3 | 0.3    |
| 21°   | 402.3 | 394.8 | 377.0 | 347.6 | 306.2 | 249.1 | 187.4 | 53.0 | 5.3   | 1.1 | 0.2    |
| 22°   | 416.0 | 411.6 | 392.5 | 363.9 | 321.7 | 264.7 | 198.9 | 53.6 | 5.1   | 1.1 | 0.2    |
| 23°   | 429.7 | 423.2 | 405.3 | 375.1 | 333.5 | 276.3 | 207.4 | 53.1 | 4.9   | 0.9 | 0.1    |
| 24°   | 439.9 | 434.4 | 413.6 | 383.8 | 341.8 | 283.4 | 212.4 | 52.0 | 4.6   | 0.8 | 0.1    |
| 25°   | 447.2 | 442.1 | 420.4 | 389.7 | 347.3 | 287.2 | 214.0 | 50.3 | 4.4   | 0.7 | 0.1    |
| 26°   | 454.1 | 448.6 | 426.1 | 393.1 | 350.2 | 288.5 | 212.5 | 48.3 | 4.1   | 0.6 | 0.0    |
| 27°   | 459.1 | 453.5 | 430.1 | 395.1 | 350.4 | 287.0 | 208.5 | 45.7 | 3.9   | 0.5 | 0.0    |
| 28°   | 464.5 | 458.0 | 432.8 | 396.2 | 349.3 | 283.5 | 202.7 | 42.9 | 3.7   | 0.4 | 0.0    |
| 29°   | 467.7 | 461.6 | 435.6 | 397.5 | 347.1 | 277.6 | 194.3 | 39.6 | 3.2   | 0.3 | 0.0    |
| 30°   | 469.8 | 462.5 | 435.4 | 396.2 | 344.2 | 271.3 | 184.2 | 36.7 | 2.8   | 0.3 | 0.0    |
| 31°   | 468.1 | 460.4 | 432.6 | 392.5 | 339.6 | 263.0 | 173.8 | 33.2 | 2.3   | 0.2 | 0.0    |
| 32°   | 464.3 | 455.3 | 427.6 | 386.1 | 331.3 | 252.4 | 163.1 | 30.3 | 1.7   | 0.2 | 0.0    |
| 33°   | 455.1 | 447.5 | 418.8 | 377.5 | 320.4 | 238.0 | 149.2 | 27.5 | 1.1   | 0.1 | 0.0    |
| 34°   | 443.5 | 435.9 | 406.7 | 366.0 | 305.8 | 219.4 | 132.3 | 24.6 | 1.0   | 0.1 | 0.0    |
| 35°   | 428.3 | 420.7 | 393.0 | 349.9 | 286.5 | 197.1 | 114.8 | 22.1 | 0.8   | 0.1 | 0.0    |
| 36°   | 412.2 | 402.2 | 375.7 | 332.8 | 260.7 | 171.6 | 96.1  | 19.2 | 0.6   | 0.1 | 0.0    |
| 37°   | 388.6 | 381.9 | 352.5 | 306.8 | 232.7 | 147.3 | 82.5  | 16.6 | 0.4   | 0.1 | 0.0    |
| 38°   | 364.1 | 357.9 | 329.2 | 280.6 | 201.5 | 123.1 | 69.1  | 14.0 | 0.4   | 0.0 | 0.0    |
| 39°   | 338.9 | 328.5 | 300.2 | 247.0 | 168.7 | 103.1 | 58.1  | 11.8 | 0.2   | 0.0 | 0.0    |
| 40°   | 299.2 | 291.4 | 261.1 | 206.6 | 139.6 | 83.6  | 49.6  | 8.9  | 0.2   | 0.0 | 0.0    |
| 42.5° | 198.4 | 191.0 | 159.3 | 112.1 | 74.2  | 48.9  | 32.7  | 3.5  | 0.0   | 0.1 | 0.0    |
| 45°   | 102.3 | 97.6  | 79.3  | 58.7  | 42.1  | 30.0  | 21.0  | 2.2  | 0.0   | 0.1 | 0.1    |
| 47.5° | 40.6  | 39.8  | 36.0  | 31.0  | 23.9  | 17.8  | 11.5  | 1.0  | 0.0   | 0.1 | 0.1    |
| 50°   | 11.0  | 11.1  | 10.3  | 9.6   | 8.7   | 8.2   | 4.8   | 0.3  | 0.0   | 0.2 | 0.1    |
| 52.5° | 4.6   | 4.7   | 4.6   | 4.3   | 3.9   | 2.9   | 1.9   | 0.1  | 0.1   | 0.2 | 0.2    |
| 55°   | 1.0   | 1.1   | 1.1   | 1.2   | 1.4   | 1.2   | 0.8   | 0.0  | 0.1   | 0.2 | 0.2    |
| 57.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.3   | 0.3   | 0.2   | 0.0  | 0.1   | 0.2 | 0.3    |
| 60°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.0   | 0.0   | 0.0  | 0.2   | 0.3 | 0.3    |
| 62.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.2   | 0.3 | 0.4    |
| 65°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.2   | 0.4 | 0.4    |
| 67.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.3   | 0.4 | 0.4    |
| 70°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.3   | 0.4 | 0.4    |
| 72.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.3   | 0.4 | 0.3    |
| 75°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.3   | 0.3 | 0.3    |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1  | 0.2   | 0.3 | 0.3    |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1  | 0.2   | 0.3 | 0.2    |



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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 | 0.1 | 0.1 | 0.2   | 0.3 | 0.2    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2   | 0.3 | 0.2    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2   | 0.3 | 0.2    |
| 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°    | 4.0  | 4.0    | 4.0  |
| 2.5°  | 2.8  | 2.5    | 2.5  |
| 5°    | 1.9  | 1.7    | 1.5  |
| 7.5°  | 1.3  | 1.1    | 1.0  |
| 10°   | 0.9  | 0.7    | 0.6  |
| 12.5° | 0.6  | 0.4    | 0.4  |
| 15°   | 0.4  | 0.3    | 0.3  |
| 17.5° | 0.2  | 0.1    | 0.1  |
| 20°   | 0.1  | 0.1    | 0.1  |
| 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    | 0.1  |
| 39°   | 0.0  | 0.1    | 0.1  |
| 40°   | 0.0  | 0.1    | 0.1  |
| 42.5° | 0.0  | 0.1    | 0.2  |
| 45°   | 0.1  | 0.2    | 0.3  |
| 47.5° | 0.2  | 0.3    | 0.4  |
| 50°   | 0.2  | 0.4    | 0.4  |
| 52.5° | 0.3  | 0.4    | 0.4  |
| 55°   | 0.3  | 0.4    | 0.4  |
| 57.5° | 0.4  | 0.4    | 0.5  |
| 60°   | 0.4  | 0.4    | 0.4  |
| 62.5° | 0.4  | 0.5    | 0.5  |
| 65°   | 0.4  | 0.5    | 0.5  |
| 67.5° | 0.4  | 0.5    | 0.5  |
| 70°   | 0.4  | 0.4    | 0.5  |
| 72.5° | 0.4  | 0.4    | 0.4  |
| 75°   | 0.3  | 0.4    | 0.4  |
| 77.5° | 0.3  | 0.3    | 0.4  |
| 80°   | 0.2  | 0.3    | 0.3  |



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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.2  | 0.2    | 0.2  |
| 85°   | 0.1  | 0.1    | 0.1  |
| 87.5° | 0.1  | 0.1    | 0.1  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)