

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: P1334781

Luminaire Tested: P3A02R259827DE010 E3A301GPH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1334781  
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: P3A02R259827DE010 E3A301GPH  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3A301GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

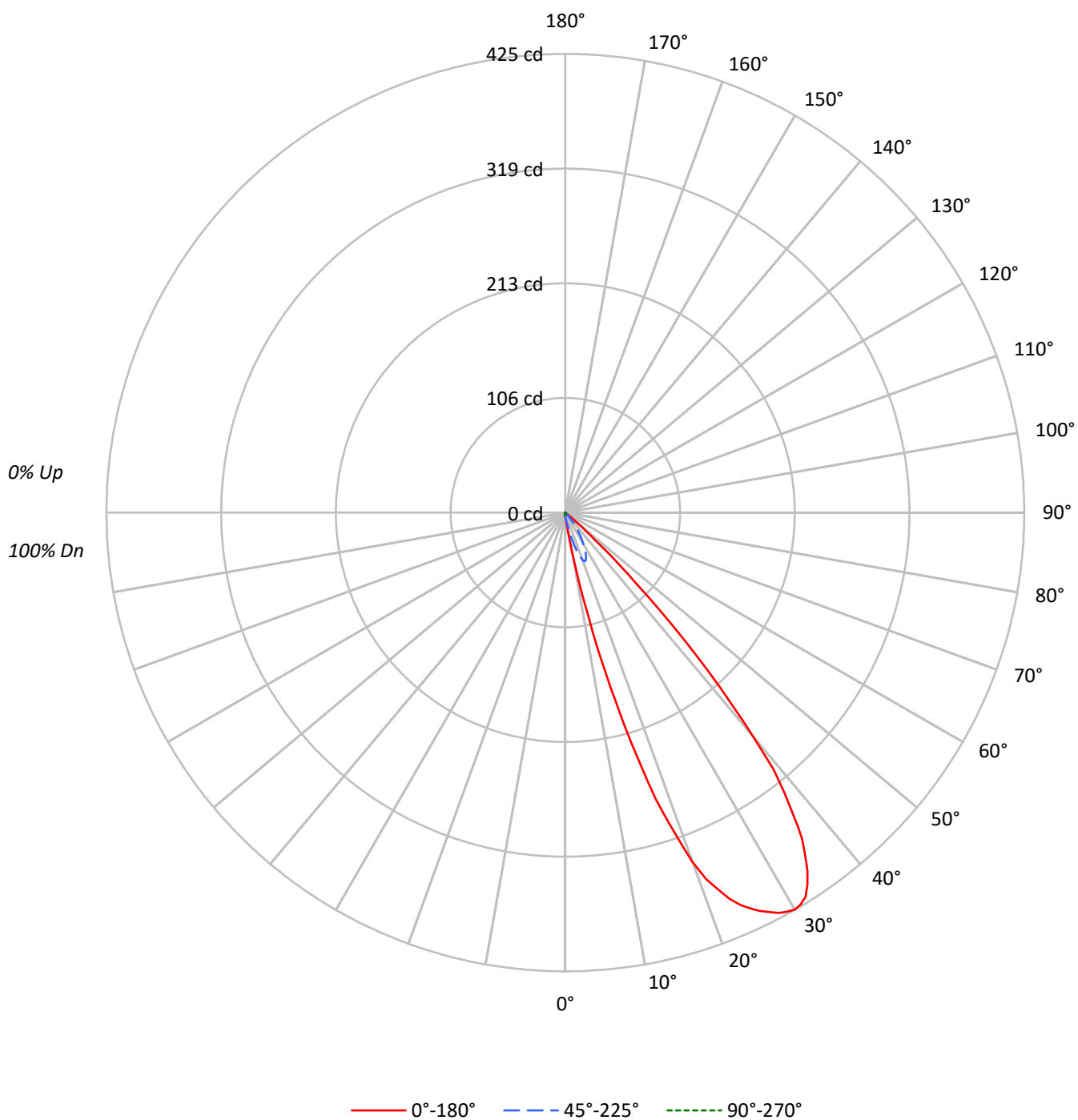
Lumens per Lamp: N/A  
Luminaire Lumens: 85.0 lumens  
Efficiency: N/A  
Efficacy: 23.6 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.52 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 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 | 102 | 102 | 100 |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 93  | 93  | 92  |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 85  | 85  | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 87  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 77  | 77  | 75  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 69  | 69  | 68  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 63  | 63  | 61  |
| 6   | 81  | 71  | 63  | 58  | 79  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 60  | 57  | 57  | 57  | 55  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 52  | 52  | 50  |
| 8   | 71  | 60  | 52  | 48  | 69  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 50  | 47  | 47  | 47  | 45  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 42  | 42  | 42  | 41  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  | 39  | 39  | 37  |

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

|     | 0°     | 45°   | 90° | 135° | 180° |
|-----|--------|-------|-----|------|------|
| 0°  | 789    | 789   | 789 | 789  | 789  |
| 5°  | 2003   | 1475  | 748 | 374  | 286  |
| 10° | 8773   | 2516  | 623 | 178  | 134  |
| 15° | 41726  | 6810  | 431 | 68   | 45   |
| 20° | 80344  | 10898 | 280 | 23   | 23   |
| 25° | 97844  | 10985 | 145 | 0    | 0    |
| 30° | 107561 | 8406  | 51  | 0    | 0    |
| 35° | 103677 | 5354  | 27  | 0    | 0    |
| 40° | 77459  | 2319  | 0   | 0    | 29   |
| 45° | 28685  | 620   | 31  | 31   | 62   |
| 50° | 3377   | 68    | 68  | 68   | 102  |
| 55° | 344    | 0     | 76  | 76   | 153  |
| 60° | 44     | 0     | 88  | 132  | 175  |
| 65° | 52     | 52    | 156 | 208  | 259  |
| 70° | 64     | 64    | 192 | 192  | 321  |
| 75° | 85     | 85    | 169 | 169  | 254  |
| 80° | 0      | 126   | 253 | 253  | 253  |
| 85° | 0      | 252   | 503 | 252  | 252  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28685 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.5    | 0.6       |
| 10°-20°   | 9.9    | 11.7      |
| 20°-30°   | 31.1   | 36.6      |
| 30°-40°   | 32.7   | 38.5      |
| 40°-50°   | 9.6    | 11.3      |
| 50°-60°   | 0.5    | 0.6       |
| 60°-70°   | 0.3    | 0.3       |
| 70°-80°   | 0.2    | 0.2       |
| 80°-90°   | 0.1    | 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°    | 41.5   | 48.9      |
| 0°-40°    | 74.3   | 87.4      |
| 0°-60°    | 84.4   | 99.3      |
| 0°-90°    | 85.0   | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 85.0   | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 4   | 4   | 4   | 4    | 4    |      |
| 5°  | 9   | 7   | 3   | 2    | 1    | 2    |
| 15° | 184 | 30  | 2   | 0    | 0    | 58   |
| 25° | 404 | 45  | 1   | 0    | 0    | 185  |
| 35° | 387 | 20  | 0   | 0    | 0    | 234  |
| 45° | 92  | 2   | 0   | 0    | 0    | 84   |
| 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°    | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6  | 3.6   | 3.6 | 3.6    |
| 2.5°  | 5.6   | 5.7   | 5.5   | 5.6   | 5.5   | 5.4   | 5.3   | 4.9  | 4.3   | 3.6 | 3.0    |
| 5°    | 9.1   | 9.1   | 8.7   | 8.6   | 8.5   | 8.2   | 7.9   | 6.7  | 4.8   | 3.4 | 2.4    |
| 7.5°  | 14.3  | 14.2  | 14.0  | 13.6  | 12.8  | 12.1  | 11.3  | 8.8  | 5.3   | 3.2 | 1.8    |
| 10°   | 39.4  | 38.9  | 38.1  | 33.9  | 29.0  | 24.7  | 21.0  | 11.3 | 5.7   | 2.8 | 1.3    |
| 12.5° | 97.9  | 94.8  | 87.2  | 78.7  | 67.7  | 56.2  | 45.0  | 18.5 | 5.9   | 2.3 | 1.0    |
| 15°   | 183.8 | 177.2 | 165.5 | 148.4 | 126.0 | 100.9 | 79.5  | 30.0 | 5.7   | 1.9 | 0.7    |
| 17.5° | 277.6 | 271.2 | 255.0 | 229.0 | 196.0 | 157.4 | 119.5 | 39.7 | 5.3   | 1.6 | 0.5    |
| 20°   | 344.3 | 337.5 | 322.3 | 294.7 | 259.1 | 207.6 | 157.3 | 46.7 | 5.0   | 1.2 | 0.2    |
| 21°   | 363.8 | 357.0 | 340.9 | 314.3 | 276.9 | 225.2 | 169.5 | 47.9 | 4.8   | 1.0 | 0.2    |
| 22°   | 376.1 | 372.2 | 354.9 | 329.0 | 290.9 | 239.3 | 179.9 | 48.5 | 4.6   | 1.0 | 0.2    |
| 23°   | 388.6 | 382.7 | 366.5 | 339.2 | 301.6 | 249.8 | 187.6 | 48.1 | 4.4   | 0.8 | 0.1    |
| 24°   | 397.8 | 392.8 | 374.0 | 347.0 | 309.1 | 256.2 | 192.1 | 47.0 | 4.2   | 0.7 | 0.1    |
| 25°   | 404.4 | 399.8 | 380.2 | 352.4 | 314.1 | 259.7 | 193.5 | 45.4 | 4.0   | 0.6 | 0.1    |
| 26°   | 410.6 | 405.7 | 385.3 | 355.4 | 316.7 | 260.8 | 192.2 | 43.7 | 3.7   | 0.6 | 0.0    |
| 27°   | 415.2 | 410.1 | 388.9 | 357.3 | 316.8 | 259.5 | 188.5 | 41.3 | 3.5   | 0.5 | 0.0    |
| 28°   | 420.0 | 414.1 | 391.4 | 358.3 | 315.9 | 256.3 | 183.3 | 38.8 | 3.3   | 0.4 | 0.0    |
| 29°   | 422.9 | 417.4 | 393.9 | 359.4 | 313.9 | 251.0 | 175.7 | 35.8 | 2.9   | 0.2 | 0.0    |
| 30°   | 424.8 | 418.3 | 393.7 | 358.2 | 311.3 | 245.3 | 166.5 | 33.2 | 2.5   | 0.2 | 0.0    |
| 31°   | 423.3 | 416.4 | 391.1 | 354.9 | 307.1 | 237.8 | 157.2 | 30.1 | 2.1   | 0.2 | 0.0    |
| 32°   | 419.8 | 411.7 | 386.7 | 349.1 | 299.5 | 228.2 | 147.5 | 27.4 | 1.5   | 0.2 | 0.0    |
| 33°   | 411.5 | 404.6 | 378.7 | 341.3 | 289.7 | 215.2 | 134.9 | 24.9 | 1.0   | 0.1 | 0.0    |
| 34°   | 401.1 | 394.2 | 367.7 | 330.9 | 276.5 | 198.4 | 119.6 | 22.3 | 0.9   | 0.1 | 0.0    |
| 35°   | 387.3 | 380.4 | 355.4 | 316.4 | 259.1 | 178.2 | 103.8 | 20.0 | 0.7   | 0.1 | 0.0    |
| 36°   | 372.7 | 363.7 | 339.7 | 301.0 | 235.7 | 155.2 | 86.9  | 17.4 | 0.6   | 0.1 | 0.0    |
| 37°   | 351.4 | 345.3 | 318.7 | 277.4 | 210.4 | 133.2 | 74.6  | 15.0 | 0.4   | 0.1 | 0.0    |
| 38°   | 329.3 | 323.6 | 297.7 | 253.7 | 182.2 | 111.3 | 62.5  | 12.7 | 0.3   | 0.0 | 0.0    |
| 39°   | 306.4 | 297.1 | 271.5 | 223.3 | 152.6 | 93.3  | 52.6  | 10.6 | 0.2   | 0.0 | 0.0    |
| 40°   | 270.6 | 263.5 | 236.1 | 186.8 | 126.3 | 75.6  | 44.8  | 8.1  | 0.2   | 0.0 | 0.0    |
| 42.5° | 179.4 | 172.7 | 144.0 | 101.4 | 67.1  | 44.2  | 29.6  | 3.2  | 0.0   | 0.1 | 0.0    |
| 45°   | 92.5  | 88.3  | 71.7  | 53.1  | 38.1  | 27.1  | 19.0  | 2.0  | 0.0   | 0.1 | 0.1    |
| 47.5° | 36.7  | 36.0  | 32.5  | 28.1  | 21.7  | 16.1  | 10.4  | 0.9  | 0.0   | 0.1 | 0.1    |
| 50°   | 9.9   | 10.0  | 9.4   | 8.6   | 7.9   | 7.4   | 4.4   | 0.2  | 0.0   | 0.2 | 0.1    |
| 52.5° | 4.2   | 4.3   | 4.1   | 3.9   | 3.5   | 2.6   | 1.7   | 0.1  | 0.1   | 0.2 | 0.2    |
| 55°   | 0.9   | 1.0   | 1.0   | 1.1   | 1.3   | 1.1   | 0.7   | 0.0  | 0.1   | 0.2 | 0.2    |
| 57.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.0  | 0.1   | 0.2 | 0.2    |
| 60°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.0   | 0.0   | 0.0  | 0.2   | 0.2 | 0.2    |
| 62.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.2   | 0.2 | 0.3    |
| 65°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.2   | 0.3 | 0.3    |
| 67.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.2   | 0.3 | 0.3    |
| 70°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.2   | 0.3 | 0.3    |
| 72.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.2   | 0.3 | 0.2    |
| 75°   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1  | 0.2   | 0.2 | 0.2    |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1  | 0.2   | 0.2 | 0.2    |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1  | 0.2   | 0.2 | 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   | 0.2 | 0.2    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2   | 0.2 | 0.2    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2   | 0.2 | 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°    | 3.6  | 3.6    | 3.6  |
| 2.5°  | 2.5  | 2.3    | 2.2  |
| 5°    | 1.7  | 1.5    | 1.3  |
| 7.5°  | 1.2  | 1.0    | 0.9  |
| 10°   | 0.8  | 0.6    | 0.6  |
| 12.5° | 0.6  | 0.3    | 0.3  |
| 15°   | 0.3  | 0.2    | 0.2  |
| 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    | 0.2  |
| 47.5° | 0.2  | 0.2    | 0.3  |
| 50°   | 0.2  | 0.3    | 0.3  |
| 52.5° | 0.2  | 0.3    | 0.4  |
| 55°   | 0.2  | 0.4    | 0.4  |
| 57.5° | 0.3  | 0.4    | 0.5  |
| 60°   | 0.3  | 0.4    | 0.4  |
| 62.5° | 0.3  | 0.5    | 0.5  |
| 65°   | 0.4  | 0.5    | 0.5  |
| 67.5° | 0.4  | 0.5    | 0.5  |
| 70°   | 0.3  | 0.4    | 0.5  |
| 72.5° | 0.3  | 0.4    | 0.4  |
| 75°   | 0.2  | 0.3    | 0.3  |
| 77.5° | 0.2  | 0.2    | 0.3  |
| 80°   | 0.2  | 0.2    | 0.2  |

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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)