

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: P1316691

Luminaire Tested: P3SQAS02R359830DE010 E3SQCA301MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316691  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R359830DE010 E3SQCA301MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQCA301MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

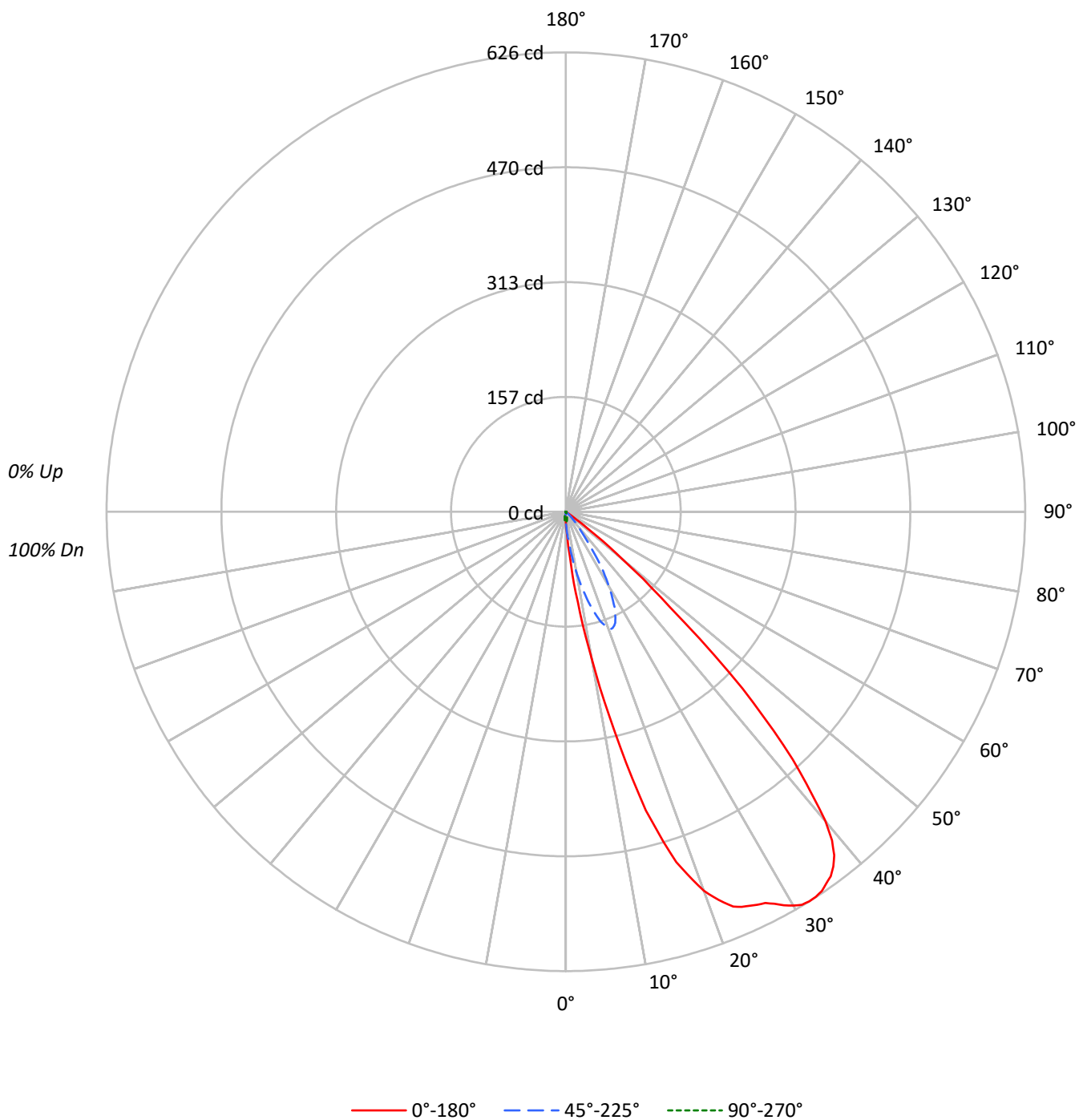
Lumens per Lamp: N/A  
Luminaire Lumens: 187.0 lumens  
Efficiency: N/A  
Efficacy: 52.0 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 100 |    |    |
| 1   | 113 | 109 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 91  |    |    |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 91  | 86  | 81  | 97  | 90  | 85  | 80  | 87  | 83  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 75  |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 73  | 70  | 76  | 72  | 69  | 67  |    |    |
| 5   | 86  | 76  | 70  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 61  |    |    |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 55  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |    |    |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 46  | 55  | 50  | 46  | 45  |    |    |
| 9   | 66  | 54  | 47  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 40  |    |    |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 42  | 38  | 47  | 42  | 38  | 37  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 2428   | 2428  | 2428 | 2428 | 2428 |
| 5°  | 10546  | 6535  | 2247 | 795  | 553  |
| 10° | 35501  | 14760 | 1679 | 192  | 70   |
| 15° | 75135  | 24213 | 1052 | 0    | 0    |
| 20° | 100728 | 30937 | 495  | 0    | 0    |
| 25° | 112591 | 30366 | 95   | 0    | 0    |
| 30° | 123257 | 23267 | 0    | 0    | 0    |
| 35° | 130079 | 12678 | 0    | 0    | 0    |
| 40° | 123651 | 5688  | 0    | 0    | 0    |
| 45° | 82981  | 2509  | 0    | 0    | 0    |
| 50° | 27731  | 241   | 0    | 0    | 0    |
| 55° | 1501   | 0     | 0    | 0    | 0    |
| 60° | 0      | 0     | 69   | 0    | 0    |
| 65° | 0      | 0     | 163  | 0    | 0    |
| 70° | 0      | 101   | 201  | 0    | 0    |
| 75° | 0      | 133   | 266  | 0    | 0    |
| 80° | 0      | 198   | 397  | 0    | 0    |
| 85° | 0      | 395   | 790  | 0    | 0    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82981 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.0    | 1.6       |
| 10°-20°   | 25.9   | 13.9      |
| 20°-30°   | 56.9   | 30.4      |
| 30°-40°   | 65.8   | 35.2      |
| 40°-50°   | 32.5   | 17.4      |
| 50°-60°   | 2.4    | 1.3       |
| 60°-70°   | 0.1    | 0.0       |
| 70°-80°   | 0.2    | 0.1       |
| 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°    | 85.9   | 45.9      |
| 0°-40°    | 151.7  | 81.1      |
| 0°-60°    | 186.7  | 99.8      |
| 0°-90°    | 187.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 187.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 14  | 14  | 14  | 14   | 14   |      |
| 5°  | 61  | 38  | 13  | 5    | 3    | 10   |
| 15° | 421 | 136 | 6   | 0    | 0    | 119  |
| 25° | 592 | 160 | 0   | 0    | 0    | 274  |
| 35° | 619 | 60  | 0   | 0    | 0    | 382  |
| 45° | 341 | 10  | 0   | 0    | 0    | 250  |
| 55° | 5   | 0   | 0   | 0    | 0    | 20   |
| 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°   | 35°   | 45°   | 67.5° | 90°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 0°    | 14.1  | 14.1  | 14.1  | 14.1  | 14.1  | 14.1  | 14.1  | 14.1  | 14.1  | 14.1  | 14.1 |
| 2.5°  | 28.0  | 28.7  | 28.4  | 28.4  | 28.2  | 27.3  | 25.7  | 25.2  | 23.2  | 18.4  | 14.3 |
| 5°    | 61.0  | 61.2  | 60.7  | 58.0  | 55.7  | 53.5  | 48.9  | 46.7  | 37.8  | 22.5  | 13.0 |
| 7.5°  | 123.8 | 121.1 | 117.7 | 114.0 | 105.8 | 98.3  | 88.5  | 78.1  | 58.5  | 26.0  | 11.6 |
| 10°   | 203.0 | 199.3 | 196.4 | 187.5 | 172.7 | 157.3 | 138.6 | 121.7 | 84.4  | 28.5  | 9.6  |
| 12.5° | 305.2 | 303.1 | 292.9 | 275.1 | 253.1 | 231.0 | 198.4 | 171.4 | 110.4 | 29.1  | 7.8  |
| 15°   | 421.4 | 417.8 | 402.3 | 377.0 | 347.2 | 312.4 | 268.7 | 223.4 | 135.8 | 27.5  | 5.9  |
| 17.5° | 500.8 | 498.8 | 485.4 | 458.8 | 424.6 | 380.3 | 328.6 | 272.1 | 156.6 | 24.1  | 4.1  |
| 20°   | 549.6 | 546.8 | 534.3 | 511.8 | 476.0 | 429.8 | 368.4 | 303.1 | 168.8 | 19.8  | 2.7  |
| 21°   | 562.3 | 559.5 | 549.5 | 526.1 | 491.8 | 442.2 | 379.3 | 310.6 | 171.1 | 17.8  | 2.1  |
| 22°   | 574.3 | 571.4 | 560.9 | 540.2 | 506.3 | 454.6 | 387.8 | 316.3 | 170.7 | 16.2  | 1.6  |
| 23°   | 584.3 | 581.2 | 570.9 | 551.8 | 517.7 | 465.4 | 394.3 | 319.2 | 168.4 | 14.6  | 1.2  |
| 24°   | 589.4 | 587.6 | 578.4 | 560.3 | 527.0 | 473.1 | 398.7 | 320.2 | 165.6 | 13.0  | 0.9  |
| 25°   | 592.5 | 590.3 | 581.2 | 564.6 | 533.1 | 479.2 | 401.6 | 319.3 | 159.8 | 11.6  | 0.5  |
| 26°   | 595.7 | 592.5 | 582.1 | 566.1 | 536.3 | 482.0 | 401.8 | 317.0 | 153.8 | 10.3  | 0.2  |
| 27°   | 598.5 | 595.5 | 584.8 | 567.1 | 536.8 | 481.1 | 400.3 | 312.6 | 146.5 | 9.1   | 0.2  |
| 28°   | 604.8 | 601.4 | 589.1 | 569.4 | 537.3 | 478.8 | 395.9 | 306.5 | 136.8 | 8.0   | 0.0  |
| 29°   | 613.0 | 609.4 | 595.3 | 575.0 | 538.6 | 476.3 | 389.8 | 298.5 | 128.4 | 7.1   | 0.0  |
| 30°   | 619.8 | 616.5 | 603.5 | 581.9 | 541.8 | 474.0 | 382.7 | 287.6 | 117.0 | 6.1   | 0.0  |
| 31°   | 624.7 | 621.5 | 609.6 | 587.8 | 544.6 | 471.9 | 373.7 | 276.3 | 106.7 | 5.4   | 0.0  |
| 32°   | 626.0 | 623.3 | 612.1 | 590.3 | 544.6 | 468.7 | 365.5 | 263.7 | 96.5  | 4.5   | 0.0  |
| 33°   | 625.5 | 622.8 | 611.4 | 588.5 | 539.8 | 461.0 | 355.5 | 248.5 | 84.9  | 3.9   | 0.0  |
| 34°   | 623.5 | 620.3 | 608.2 | 582.8 | 530.4 | 448.0 | 341.1 | 233.3 | 72.8  | 3.2   | 0.0  |
| 35°   | 618.7 | 615.8 | 602.6 | 572.1 | 515.7 | 428.2 | 321.8 | 215.9 | 60.3  | 2.7   | 0.0  |
| 36°   | 614.0 | 609.8 | 593.5 | 558.9 | 496.5 | 407.8 | 298.8 | 195.7 | 49.6  | 2.1   | 0.0  |
| 37°   | 605.5 | 599.4 | 583.0 | 539.8 | 469.2 | 379.1 | 272.6 | 173.6 | 41.6  | 1.6   | 0.0  |
| 38°   | 594.1 | 585.9 | 565.0 | 517.7 | 441.7 | 352.2 | 248.0 | 153.6 | 35.0  | 1.1   | 0.0  |
| 39°   | 576.4 | 566.8 | 538.4 | 487.4 | 410.0 | 320.9 | 219.8 | 132.4 | 29.8  | 0.7   | 0.0  |
| 40°   | 550.0 | 540.9 | 509.5 | 451.3 | 378.4 | 286.5 | 190.9 | 108.5 | 25.3  | 0.4   | 0.0  |
| 42.5° | 457.9 | 445.5 | 409.1 | 351.3 | 279.7 | 206.0 | 126.3 | 60.3  | 16.8  | 0.0   | 0.0  |
| 45°   | 340.7 | 329.7 | 294.0 | 241.4 | 186.4 | 126.1 | 67.6  | 35.5  | 10.3  | 0.0   | 0.0  |
| 47.5° | 192.5 | 191.2 | 168.1 | 138.6 | 104.0 | 67.1  | 34.3  | 21.4  | 4.5   | 0.0   | 0.0  |
| 50°   | 103.5 | 97.0  | 83.7  | 63.5  | 43.4  | 29.3  | 18.6  | 11.8  | 0.9   | 0.0   | 0.0  |
| 52.5° | 37.8  | 36.6  | 30.7  | 25.5  | 19.6  | 13.4  | 9.5   | 5.2   | 0.0   | 0.0   | 0.0  |
| 55°   | 5.0   | 4.6   | 4.8   | 5.2   | 5.4   | 4.6   | 3.0   | 1.1   | 0.0   | 0.0   | 0.0  |
| 57.5° | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.4   | 0.4   | 0.0   | 0.0   | 0.0   | 0.2  |
| 60°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2  |
| 62.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2  |
| 65°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4  |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 0.4  |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.4  |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.4  |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.4  |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.4  |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.4  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4   | 0.4 |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4   | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4   | 0.4 |
| 90°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 |

TEST NUMBER: P1316691

CATALOG NUMBER: P3SQAS02R359830DE010 E3SQCA301MB

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0°    | 14.1   | 14.1 | 14.1   | 14.1 |
| 2.5°  | 10.9   | 8.4  | 7.1    | 7.0  |
| 5°    | 7.5    | 4.6  | 3.4    | 3.2  |
| 7.5°  | 5.2    | 2.3  | 1.6    | 1.4  |
| 10°   | 3.0    | 1.1  | 0.5    | 0.4  |
| 12.5° | 1.8    | 0.2  | 0.0    | 0.0  |
| 15°   | 0.5    | 0.0  | 0.0    | 0.0  |
| 17.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 20°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 21°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 22°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 23°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 24°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 25°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 26°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 27°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 34°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 36°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 37°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 38°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 39°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 47.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 50°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 52.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 55°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 57.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 60°   | 0.0    | 0.0  | 0.0    | 0.0  |
| 62.5° | 0.0    | 0.0  | 0.0    | 0.0  |
| 65°   | 0.2    | 0.0  | 0.0    | 0.0  |
| 67.5° | 0.2    | 0.0  | 0.0    | 0.0  |
| 70°   | 0.2    | 0.0  | 0.0    | 0.0  |
| 72.5° | 0.2    | 0.0  | 0.0    | 0.0  |
| 75°   | 0.2    | 0.0  | 0.0    | 0.0  |
| 77.5° | 0.2    | 0.0  | 0.0    | 0.0  |
| 80°   | 0.2    | 0.0  | 0.0    | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 0.2    | 0.0  | 0.0    | 0.0  |
| 85°   | 0.2    | 0.0  | 0.0    | 0.0  |
| 87.5° | 0.2    | 0.0  | 0.0    | 0.0  |
| 90°   | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)