

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: P1305436

Luminaire Tested: P3SQASS02R359024DE010 E3SQCA301MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305436  
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: P3SQASS02R359024DE010 E3SQCA301MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

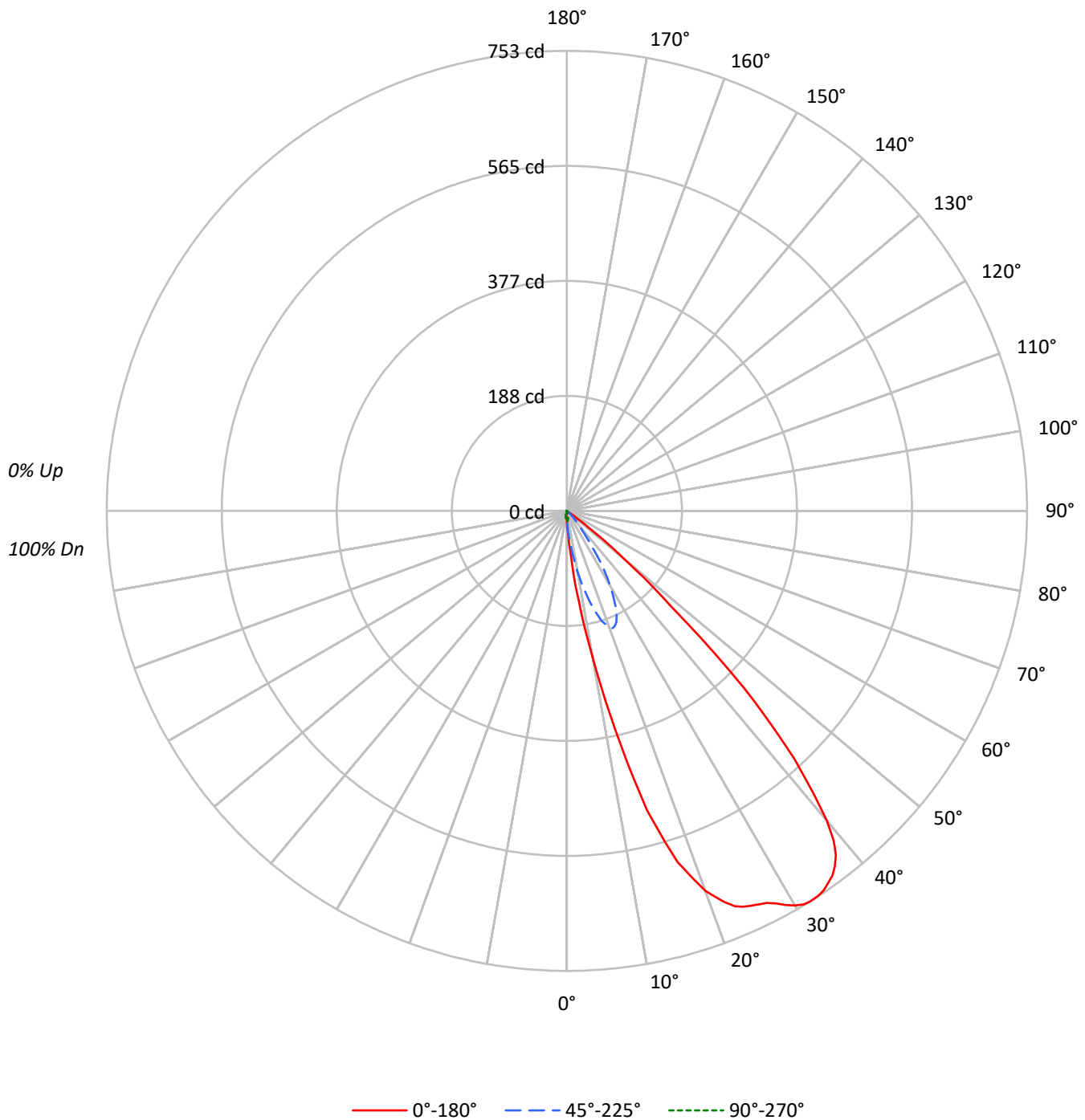
Lumens per Lamp: N/A  
Luminaire Lumens: 225.0 lumens  
Efficiency: N/A  
Efficacy: 62.5 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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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CATALOG NUMBER: P3SQASS02R359024DE010 E3SQCA301MB

### 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 | 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  | 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  | 55  | 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°  | 2928   | 2928  | 2928 | 2928 | 2928 |
| 5°  | 12689  | 7866  | 2714 | 968  | 674  |
| 10° | 42723  | 17750 | 2029 | 227  | 70   |
| 15° | 90397  | 29116 | 1266 | 0    | 0    |
| 20° | 121200 | 37223 | 586  | 0    | 0    |
| 25° | 135470 | 36542 | 114  | 0    | 0    |
| 30° | 148294 | 28000 | 0    | 0    | 0    |
| 35° | 156506 | 15264 | 0    | 0    | 0    |
| 40° | 148786 | 6857  | 0    | 0    | 0    |
| 45° | 99859  | 3020  | 0    | 0    | 0    |
| 50° | 33357  | 295   | 0    | 0    | 0    |
| 55° | 1802   | 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: 99859 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.6    | 1.6       |
| 10°-20°   | 31.2   | 13.9      |
| 20°-30°   | 68.5   | 30.4      |
| 30°-40°   | 79.2   | 35.2      |
| 40°-50°   | 39.1   | 17.4      |
| 50°-60°   | 2.9    | 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°    | 103.4  | 45.9      |
| 0°-40°    | 182.6  | 81.2      |
| 0°-60°    | 224.6  | 99.8      |
| 0°-90°    | 225.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 225.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 17  | 17  | 17  | 17   | 17   |      |
| 5°  | 73  | 46  | 16  | 6    | 4    | 13   |
| 15° | 507 | 163 | 7   | 0    | 0    | 143  |
| 25° | 713 | 192 | 1   | 0    | 0    | 330  |
| 35° | 744 | 73  | 0   | 0    | 0    | 460  |
| 45° | 410 | 12  | 0   | 0    | 0    | 301  |
| 55° | 6   | 0   | 0   | 0    | 0    | 25   |
| 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°    | 17.0  | 17.0  | 17.0  | 17.0  | 17.0  | 17.0  | 17.0  | 17.0  | 17.0  | 17.0  | 17.0 |
| 2.5°  | 33.7  | 34.6  | 34.1  | 34.1  | 33.9  | 32.8  | 30.9  | 30.3  | 27.9  | 22.1  | 17.2 |
| 5°    | 73.4  | 73.6  | 73.0  | 69.8  | 67.0  | 64.4  | 58.8  | 56.2  | 45.5  | 27.0  | 15.7 |
| 7.5°  | 149.0 | 145.7 | 141.7 | 137.2 | 127.3 | 118.3 | 106.5 | 94.0  | 70.4  | 31.3  | 14.0 |
| 10°   | 244.3 | 239.8 | 236.3 | 225.6 | 207.8 | 189.3 | 166.8 | 146.4 | 101.5 | 34.3  | 11.6 |
| 12.5° | 367.3 | 364.7 | 352.5 | 331.0 | 304.6 | 278.0 | 238.7 | 206.3 | 132.9 | 35.0  | 9.4  |
| 15°   | 507.0 | 502.7 | 484.0 | 453.6 | 417.7 | 375.9 | 323.3 | 268.7 | 163.3 | 33.1  | 7.1  |
| 17.5° | 602.5 | 600.2 | 584.1 | 552.1 | 510.9 | 457.6 | 395.4 | 327.3 | 188.5 | 29.0  | 4.9  |
| 20°   | 661.3 | 657.9 | 642.9 | 615.8 | 572.7 | 517.1 | 443.3 | 364.7 | 203.1 | 23.8  | 3.2  |
| 21°   | 676.6 | 673.1 | 661.1 | 633.0 | 591.8 | 532.1 | 456.3 | 373.7 | 205.8 | 21.5  | 2.6  |
| 22°   | 691.0 | 687.5 | 674.9 | 650.0 | 609.2 | 546.9 | 466.6 | 380.6 | 205.4 | 19.5  | 1.9  |
| 23°   | 703.0 | 699.3 | 686.9 | 663.9 | 622.9 | 560.0 | 474.4 | 384.0 | 202.6 | 17.6  | 1.5  |
| 24°   | 709.2 | 707.1 | 695.9 | 674.2 | 634.1 | 569.3 | 479.7 | 385.3 | 199.2 | 15.7  | 1.1  |
| 25°   | 712.9 | 710.3 | 699.3 | 679.4 | 641.4 | 576.5 | 483.2 | 384.2 | 192.3 | 14.0  | 0.6  |
| 26°   | 716.7 | 712.9 | 700.4 | 681.1 | 645.2 | 580.0 | 483.4 | 381.4 | 185.0 | 12.4  | 0.2  |
| 27°   | 720.2 | 716.5 | 703.6 | 682.4 | 645.9 | 578.9 | 481.7 | 376.1 | 176.2 | 10.9  | 0.2  |
| 28°   | 727.7 | 723.6 | 708.8 | 685.2 | 646.5 | 576.1 | 476.3 | 368.8 | 164.6 | 9.7   | 0.0  |
| 29°   | 737.5 | 733.2 | 716.3 | 691.8 | 648.0 | 573.1 | 469.0 | 359.1 | 154.5 | 8.6   | 0.0  |
| 30°   | 745.7 | 741.8 | 726.2 | 700.2 | 651.9 | 570.3 | 460.4 | 346.0 | 140.8 | 7.3   | 0.0  |
| 31°   | 751.7 | 747.8 | 733.5 | 707.3 | 655.3 | 567.7 | 449.7 | 332.5 | 128.4 | 6.4   | 0.0  |
| 32°   | 753.2 | 750.0 | 736.5 | 710.3 | 655.3 | 563.9 | 439.8 | 317.3 | 116.1 | 5.4   | 0.0  |
| 33°   | 752.6 | 749.3 | 735.6 | 708.1 | 649.5 | 554.7 | 427.8 | 299.0 | 102.2 | 4.7   | 0.0  |
| 34°   | 750.2 | 746.3 | 731.7 | 701.3 | 638.2 | 539.0 | 410.4 | 280.8 | 87.6  | 3.9   | 0.0  |
| 35°   | 744.4 | 741.0 | 725.1 | 688.4 | 620.6 | 515.2 | 387.2 | 259.7 | 72.6  | 3.2   | 0.0  |
| 36°   | 738.8 | 733.7 | 714.1 | 672.5 | 597.4 | 490.7 | 359.5 | 235.5 | 59.7  | 2.6   | 0.0  |
| 37°   | 728.5 | 721.2 | 701.5 | 649.5 | 564.5 | 456.1 | 328.0 | 208.9 | 50.0  | 1.9   | 0.0  |
| 38°   | 714.8 | 704.9 | 679.8 | 622.9 | 531.5 | 423.7 | 298.4 | 184.8 | 42.1  | 1.3   | 0.0  |
| 39°   | 693.5 | 681.9 | 647.8 | 586.4 | 493.3 | 386.2 | 264.4 | 159.3 | 35.8  | 0.9   | 0.0  |
| 40°   | 661.8 | 650.8 | 613.0 | 543.1 | 455.3 | 344.7 | 229.7 | 130.5 | 30.5  | 0.4   | 0.0  |
| 42.5° | 551.0 | 536.0 | 492.2 | 422.6 | 336.6 | 247.9 | 152.0 | 72.6  | 20.2  | 0.0   | 0.0  |
| 45°   | 410.0 | 396.7 | 353.7 | 290.4 | 224.3 | 151.8 | 81.4  | 42.7  | 12.4  | 0.0   | 0.0  |
| 47.5° | 231.6 | 230.1 | 202.2 | 166.8 | 125.1 | 80.7  | 41.2  | 25.8  | 5.4   | 0.0   | 0.0  |
| 50°   | 124.5 | 116.8 | 100.7 | 76.4  | 52.2  | 35.2  | 22.3  | 14.2  | 1.1   | 0.0   | 0.0  |
| 52.5° | 45.5  | 44.0  | 36.9  | 30.7  | 23.6  | 16.1  | 11.4  | 6.2   | 0.0   | 0.0   | 0.0  |
| 55°   | 6.0   | 5.6   | 5.8   | 6.2   | 6.4   | 5.6   | 3.6   | 1.3   | 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: P1305436

CATALOG NUMBER: P3SQASS02R359024DE010 E3SQCA301MB

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0°    | 17.0   | 17.0 | 17.0   | 17.0 |
| 2.5°  | 13.1   | 10.1 | 8.6    | 8.4  |
| 5°    | 9.0    | 5.6  | 4.1    | 3.9  |
| 7.5°  | 6.2    | 2.8  | 1.9    | 1.7  |
| 10°   | 3.6    | 1.3  | 0.6    | 0.4  |
| 12.5° | 2.1    | 0.2  | 0.0    | 0.0  |
| 15°   | 0.6    | 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)