

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: P1313222

Luminaire Tested: P3SQAS09R259730DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R259730DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

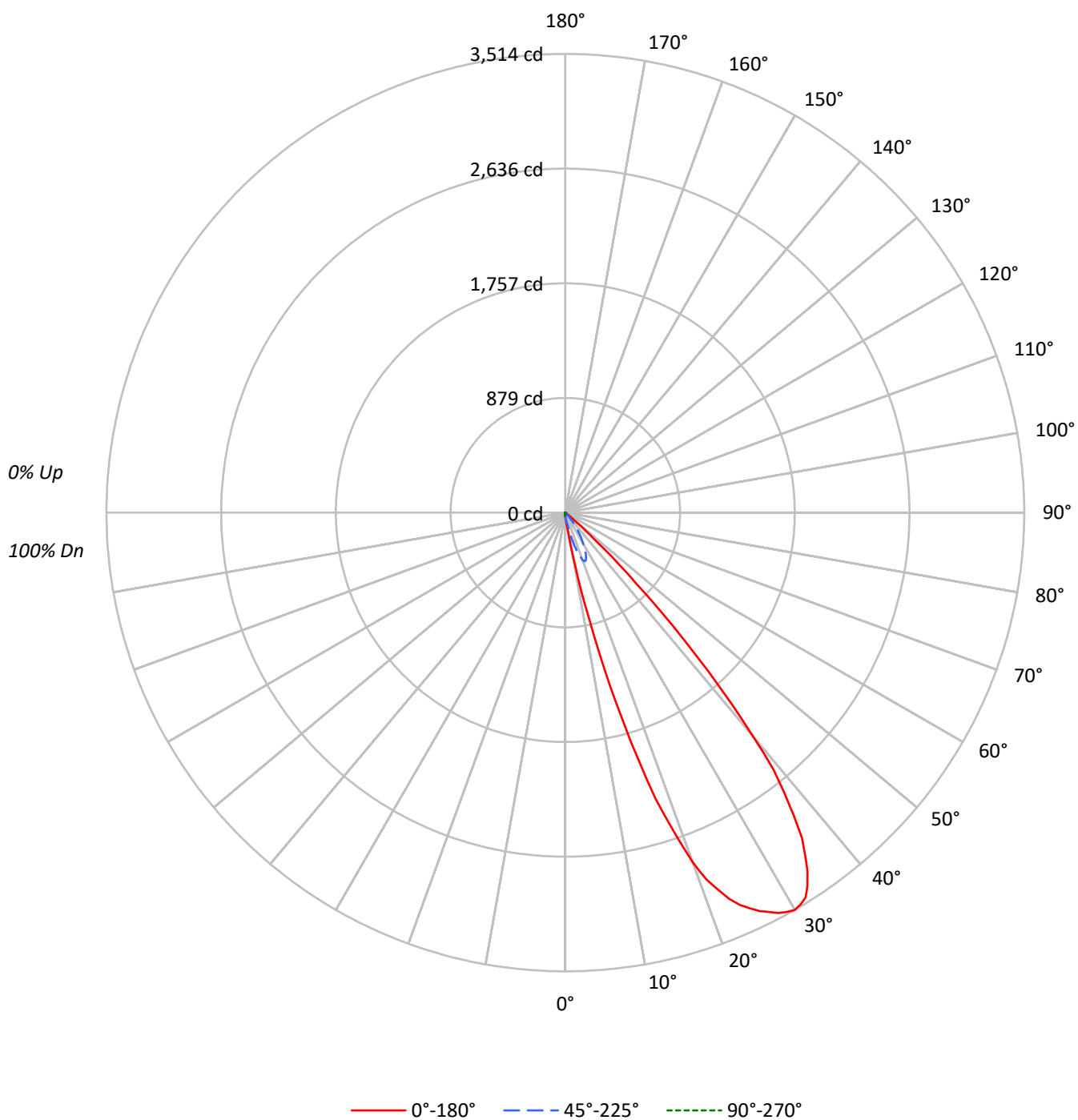
Lumens per Lamp: N/A  
Luminaire Lumens: 703.1 lumens  
Efficiency: N/A  
Efficacy: 63.3 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |    |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 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  | 52  | 50  |    |    |
| 8   | 71  | 60  | 52  | 48  | 70  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 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  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  | 37  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 5201   | 5201  | 5201 | 5201 | 5201 |
| 5°  | 13035  | 9647  | 4875 | 2489 | 1936 |
| 10° | 57011  | 16404 | 4022 | 1154 | 804  |
| 15° | 271084 | 44200 | 2799 | 464  | 357  |
| 20° | 521840 | 70799 | 1796 | 128  | 128  |
| 25° | 635544 | 71412 | 988  | 0    | 0    |
| 30° | 698754 | 54648 | 398  | 0    | 0    |
| 35° | 673373 | 34754 | 147  | 0    | 0    |
| 40° | 503149 | 15041 | 0    | 0    | 157  |
| 45° | 186274 | 3994  | 170  | 170  | 487  |
| 50° | 21970  | 536   | 348  | 348  | 697  |
| 55° | 2162   | 0     | 390  | 601  | 991  |
| 60° | 241    | 0     | 689  | 896  | 1137 |
| 65° | 285    | 285   | 1060 | 1345 | 1589 |
| 70° | 352    | 352   | 1309 | 1309 | 1964 |
| 75° | 466    | 466   | 1331 | 1331 | 1730 |
| 80° | 0      | 694   | 1984 | 1289 | 1984 |
| 85° | 0      | 1383  | 3952 | 1383 | 1383 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 186274 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.4    | 0.6       |
| 10°-20°   | 82.0   | 11.7      |
| 20°-30°   | 257.3  | 36.6      |
| 30°-40°   | 270.8  | 38.5      |
| 40°-50°   | 79.6   | 11.3      |
| 50°-60°   | 4.3    | 0.6       |
| 60°-70°   | 2.1    | 0.3       |
| 70°-80°   | 1.8    | 0.3       |
| 80°-90°   | 0.9    | 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°    | 343.6  | 48.9      |
| 0°-40°    | 614.4  | 87.4      |
| 0°-60°    | 698.2  | 99.3      |
| 0°-90°    | 703.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 703.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 30   | 30  | 30  | 30   | 30   |      |
| 5°  | 75   | 56  | 28  | 14   | 11   | 13   |
| 15° | 1520 | 248 | 16  | 3    | 2    | 479  |
| 25° | 3344 | 376 | 5   | 0    | 0    | 1534 |
| 35° | 3203 | 165 | 1   | 0    | 0    | 1933 |
| 45° | 765  | 16  | 1   | 1    | 2    | 695  |
| 55° | 7    | 0   | 1   | 2    | 3    | 18   |
| 65° | 1    | 1   | 3   | 3    | 4    | 1    |
| 75° | 1    | 1   | 2   | 2    | 3    | 0    |
| 85° | 0    | 1   | 2   | 1    | 1    | 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°    | 30.2   | 30.2   | 30.2   | 30.2   | 30.2   | 30.2   | 30.2   | 30.2  | 30.2  | 30.2 | 30.2   |
| 2.5°  | 46.6   | 47.2   | 45.3   | 46.6   | 45.3   | 44.6   | 43.9   | 40.7  | 35.4  | 30.2 | 24.9   |
| 5°    | 75.4   | 75.4   | 72.1   | 71.5   | 70.2   | 67.6   | 64.9   | 55.8  | 40.0  | 28.2 | 19.7   |
| 7.5°  | 118.1  | 117.4  | 116.1  | 112.8  | 106.3  | 99.7   | 93.1   | 72.8  | 43.9  | 26.2 | 15.1   |
| 10°   | 326.0  | 321.4  | 315.5  | 280.1  | 240.1  | 204.6  | 173.8  | 93.8  | 47.2  | 23.0 | 11.2   |
| 12.5° | 810.0  | 783.8  | 721.5  | 650.7  | 560.1  | 465.0  | 371.9  | 152.8 | 48.5  | 19.0 | 7.9    |
| 15°   | 1520.4 | 1466.0 | 1368.9 | 1227.2 | 1042.2 | 834.3  | 657.2  | 247.9 | 47.2  | 15.7 | 5.9    |
| 17.5° | 2295.7 | 2243.2 | 2108.7 | 1893.6 | 1621.4 | 1302.0 | 988.5  | 328.6 | 43.9  | 13.1 | 3.9    |
| 20°   | 2847.3 | 2791.5 | 2665.6 | 2437.4 | 2142.9 | 1717.2 | 1301.3 | 386.3 | 41.3  | 9.8  | 2.0    |
| 21°   | 3008.6 | 2952.9 | 2819.7 | 2599.4 | 2289.8 | 1862.8 | 1401.7 | 396.2 | 39.4  | 8.5  | 1.3    |
| 22°   | 3111.0 | 3078.2 | 2935.2 | 2721.4 | 2405.9 | 1979.5 | 1487.6 | 400.8 | 38.0  | 7.9  | 1.3    |
| 23°   | 3213.9 | 3164.8 | 3031.0 | 2805.3 | 2494.4 | 2066.1 | 1551.2 | 397.5 | 36.7  | 6.6  | 0.7    |
| 24°   | 3290.0 | 3248.7 | 3093.3 | 2870.3 | 2556.1 | 2119.2 | 1588.6 | 389.0 | 34.8  | 5.9  | 0.7    |
| 25°   | 3344.5 | 3306.4 | 3144.4 | 2914.2 | 2597.4 | 2148.1 | 1600.4 | 375.8 | 32.8  | 5.2  | 0.7    |
| 26°   | 3396.3 | 3355.0 | 3187.1 | 2939.8 | 2619.0 | 2157.3 | 1589.3 | 361.4 | 30.8  | 4.6  | 0.0    |
| 27°   | 3433.7 | 3391.7 | 3216.6 | 2954.9 | 2620.4 | 2146.1 | 1559.1 | 341.7 | 28.9  | 3.9  | 0.0    |
| 28°   | 3473.7 | 3425.2 | 3236.9 | 2963.4 | 2612.5 | 2119.9 | 1515.8 | 320.7 | 27.5  | 3.3  | 0.0    |
| 29°   | 3498.0 | 3452.0 | 3257.9 | 2972.6 | 2596.1 | 2075.9 | 1452.8 | 295.8 | 24.3  | 2.0  | 0.0    |
| 30°   | 3513.7 | 3459.3 | 3255.9 | 2962.7 | 2574.4 | 2028.7 | 1377.4 | 274.8 | 21.0  | 2.0  | 0.0    |
| 31°   | 3500.6 | 3443.5 | 3234.9 | 2935.2 | 2539.7 | 1967.1 | 1300.0 | 248.6 | 17.1  | 1.3  | 0.0    |
| 32°   | 3472.4 | 3404.8 | 3198.2 | 2887.3 | 2477.4 | 1887.7 | 1220.0 | 226.9 | 12.5  | 1.3  | 0.0    |
| 33°   | 3403.5 | 3346.4 | 3132.0 | 2823.0 | 2396.0 | 1780.1 | 1115.7 | 206.0 | 8.5   | 0.7  | 0.0    |
| 34°   | 3316.9 | 3259.9 | 3041.4 | 2737.1 | 2287.2 | 1641.1 | 989.1  | 184.3 | 7.2   | 0.7  | 0.0    |
| 35°   | 3202.8 | 3146.4 | 2939.1 | 2617.1 | 2142.9 | 1473.8 | 858.6  | 165.3 | 5.9   | 0.7  | 0.0    |
| 36°   | 3082.8 | 3008.0 | 2809.9 | 2489.2 | 1949.4 | 1283.6 | 718.9  | 143.6 | 4.6   | 0.7  | 0.0    |
| 37°   | 2906.3 | 2855.8 | 2636.1 | 2294.4 | 1740.1 | 1101.3 | 617.2  | 124.0 | 3.3   | 0.7  | 0.0    |
| 38°   | 2723.3 | 2676.8 | 2462.3 | 2098.2 | 1506.6 | 920.9  | 516.9  | 104.9 | 2.6   | 0.0  | 0.0    |
| 39°   | 2534.4 | 2457.0 | 2245.2 | 1847.0 | 1262.0 | 771.3  | 434.9  | 87.9  | 1.3   | 0.0  | 0.0    |
| 40°   | 2238.0 | 2178.9 | 1952.6 | 1545.3 | 1044.2 | 625.1  | 370.6  | 66.9  | 1.3   | 0.0  | 0.0    |
| 42.5° | 1483.7 | 1428.6 | 1191.1 | 838.3  | 554.9  | 365.3  | 244.7  | 26.2  | 0.0   | 0.7  | 0.0    |
| 45°   | 764.8  | 730.0  | 592.9  | 438.8  | 314.8  | 224.3  | 157.4  | 16.4  | 0.0   | 0.7  | 0.7    |
| 47.5° | 303.7  | 297.8  | 268.9  | 232.2  | 179.1  | 133.1  | 85.9   | 7.2   | 0.0   | 0.7  | 0.7    |
| 50°   | 82.0   | 82.6   | 77.4   | 71.5   | 64.9   | 61.0   | 36.1   | 2.0   | 0.0   | 1.3  | 0.7    |
| 52.5° | 34.8   | 35.4   | 34.1   | 32.1   | 28.9   | 21.6   | 14.4   | 0.7   | 0.7   | 1.3  | 1.3    |
| 55°   | 7.2    | 7.9    | 8.5    | 9.2    | 10.5   | 9.2    | 5.9    | 0.0   | 0.7   | 1.3  | 1.3    |
| 57.5° | 1.3    | 1.3    | 1.3    | 1.3    | 2.0    | 2.0    | 1.3    | 0.0   | 0.7   | 1.3  | 2.0    |
| 60°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.0    | 0.0    | 0.0   | 1.3   | 2.0  | 2.0    |
| 62.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7   | 1.3   | 2.0  | 2.6    |
| 65°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7   | 1.3   | 2.6  | 2.6    |
| 67.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7   | 2.0   | 2.6  | 2.6    |
| 70°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7   | 2.0   | 2.6  | 2.6    |
| 72.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7   | 2.0   | 2.6  | 2.0    |
| 75°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    | 0.7   | 2.0   | 2.0  | 2.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.7    | 0.7    | 0.7   | 1.3   | 2.0  | 2.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.7    | 0.7    | 0.7   | 1.3   | 2.0  | 1.3    |



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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 | 0.7 | 0.7 | 1.3   | 2.0 | 1.3    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.3   | 2.0 | 1.3    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.3   | 2.0 | 1.3    |
| 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°    | 30.2 | 30.2   | 30.2 |
| 2.5°  | 21.0 | 19.0   | 18.4 |
| 5°    | 14.4 | 12.5   | 11.2 |
| 7.5°  | 9.8  | 7.9    | 7.2  |
| 10°   | 6.6  | 5.2    | 4.6  |
| 12.5° | 4.6  | 2.6    | 2.6  |
| 15°   | 2.6  | 2.0    | 2.0  |
| 17.5° | 1.3  | 0.7    | 0.7  |
| 20°   | 0.7  | 0.7    | 0.7  |
| 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    | 0.7  |
| 39°   | 0.0  | 0.7    | 0.7  |
| 40°   | 0.0  | 0.7    | 0.7  |
| 42.5° | 0.0  | 0.7    | 1.3  |
| 45°   | 0.7  | 1.3    | 2.0  |
| 47.5° | 1.3  | 2.0    | 2.6  |
| 50°   | 1.3  | 2.6    | 2.6  |
| 52.5° | 2.0  | 2.6    | 3.3  |
| 55°   | 2.0  | 3.3    | 3.3  |
| 57.5° | 2.6  | 3.3    | 3.9  |
| 60°   | 2.6  | 3.3    | 3.3  |
| 62.5° | 2.6  | 3.9    | 3.9  |
| 65°   | 3.3  | 3.9    | 3.9  |
| 67.5° | 3.3  | 3.9    | 3.9  |
| 70°   | 2.6  | 3.3    | 3.9  |
| 72.5° | 2.6  | 3.3    | 3.3  |
| 75°   | 2.0  | 2.6    | 2.6  |
| 77.5° | 2.0  | 2.0    | 2.6  |
| 80°   | 1.3  | 2.0    | 2.0  |





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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 1.3  | 1.3    | 1.3  |
| 85°   | 0.7  | 0.7    | 0.7  |
| 87.5° | 0.7  | 0.7    | 0.7  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)