

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: P1315349

Luminaire Tested: P3SQAS13R309740DE010 E3SQCA301MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315349  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R309740DE010 E3SQCA301MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQCA301MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

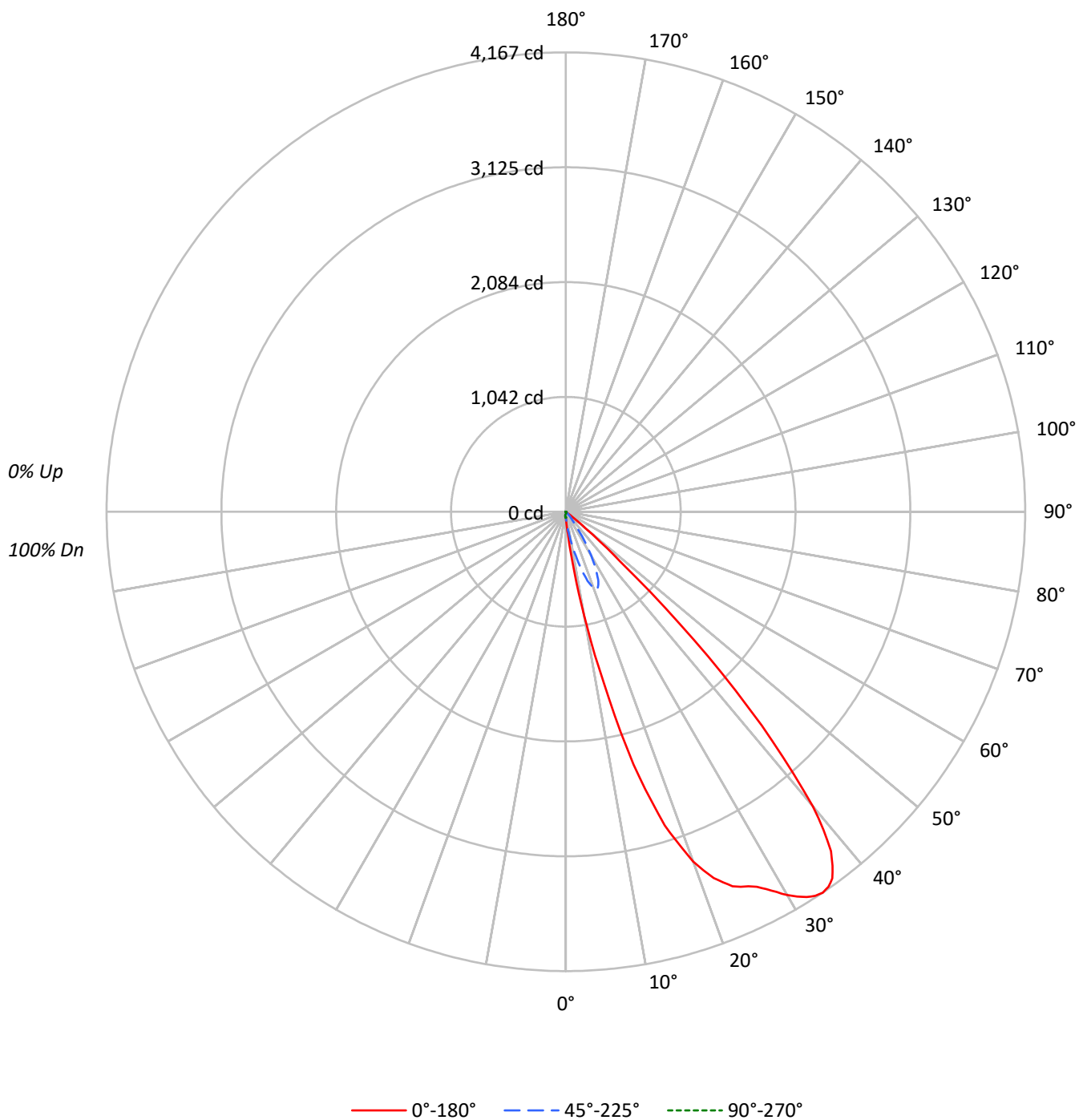
Lumens per Lamp: N/A  
Luminaire Lumens: 1003.0 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |    |
| 2   | 106 | 100 | 96  | 92  | 104 | 98  | 94  | 91  | 95  | 92  | 89  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 75  |    |    |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 61  |    |    |
| 6   | 81  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 55  |    |    |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |    |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 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  | 43  | 41  |    |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 43  | 39  | 37  |    |    |

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

|     | 0°     | 45°    | 90°  | 135° | 180° |
|-----|--------|--------|------|------|------|
| 0°  | 9248   | 9248   | 9248 | 9248 | 9248 |
| 5°  | 33522  | 20832  | 8454 | 3423 | 2438 |
| 10° | 165926 | 49876  | 6593 | 665  | 0    |
| 15° | 423262 | 94997  | 4190 | 0    | 0    |
| 20° | 618445 | 135074 | 1723 | 0    | 0    |
| 25° | 713493 | 132544 | 361  | 0    | 0    |
| 30° | 798525 | 90981  | 0    | 0    | 0    |
| 35° | 873316 | 39190  | 0    | 0    | 0    |
| 40° | 783815 | 15243  | 0    | 0    | 0    |
| 45° | 400266 | 6186   | 0    | 0    | 0    |
| 50° | 61785  | 750    | 0    | 0    | 0    |
| 55° | 3663   | 0      | 270  | 0    | 0    |
| 60° | 0      | 0      | 310  | 0    | 0    |
| 65° | 0      | 0      | 774  | 0    | 0    |
| 70° | 0      | 453    | 957  | 0    | 0    |
| 75° | 0      | 599    | 1863 | 0    | 0    |
| 80° | 0      | 893    | 2777 | 0    | 0    |
| 85° | 0      | 1778   | 5533 | 0    | 0    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 400266 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 11.2   | 1.1       |
| 10°-20°   | 133.6  | 13.3      |
| 20°-30°   | 330.3  | 32.9      |
| 30°-40°   | 379.8  | 37.9      |
| 40°-50°   | 140.9  | 14.0      |
| 50°-60°   | 5.1    | 0.5       |
| 60°-70°   | 0.5    | 0.0       |
| 70°-80°   | 0.8    | 0.1       |
| 80°-90°   | 0.8    | 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°    | 475.1  | 47.4      |
| 0°-40°    | 854.9  | 85.2      |
| 0°-60°    | 1000.9 | 99.8      |
| 0°-90°    | 1003.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1003.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 54   | 54  | 54  | 54   | 54   |      |
| 5°  | 194  | 120 | 49  | 20   | 14   | 42   |
| 15° | 2374 | 533 | 24  | 0    | 0    | 682  |
| 25° | 3755 | 698 | 2   | 0    | 0    | 1735 |
| 35° | 4154 | 186 | 0   | 0    | 0    | 2518 |
| 45° | 1643 | 25  | 0   | 0    | 0    | 1280 |
| 55° | 12   | 0   | 1   | 0    | 0    | 42   |
| 65° | 0    | 0   | 2   | 0    | 0    | 0    |
| 75° | 0    | 1   | 3   | 0    | 0    | 0    |
| 85° | 0    | 1   | 3   | 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°    | 53.7   | 53.7   | 53.7   | 53.7   | 53.7   | 53.7   | 53.7   | 53.7  | 53.7  | 53.7 | 53.7   |
| 2.5°  | 95.1   | 96.0   | 96.0   | 93.2   | 92.2   | 91.3   | 88.5   | 80.0  | 66.8  | 53.7 | 43.3   |
| 5°    | 193.9  | 194.8  | 194.8  | 189.2  | 177.9  | 166.6  | 157.2  | 120.5 | 77.2  | 48.9 | 32.0   |
| 7.5°  | 457.5  | 458.4  | 438.6  | 416.0  | 370.9  | 347.3  | 304.0  | 185.4 | 87.5  | 44.2 | 20.7   |
| 10°   | 948.8  | 928.1  | 876.3  | 810.4  | 740.8  | 650.4  | 559.1  | 285.2 | 95.1  | 37.7 | 13.2   |
| 12.5° | 1586.0 | 1566.3 | 1499.4 | 1405.3 | 1268.8 | 1091.9 | 918.7  | 401.0 | 96.0  | 30.1 | 7.5    |
| 15°   | 2373.9 | 2318.3 | 2238.3 | 2082.1 | 1880.6 | 1606.7 | 1320.6 | 532.8 | 92.2  | 23.5 | 1.9    |
| 17.5° | 2984.7 | 2933.9 | 2832.3 | 2649.6 | 2399.3 | 2095.2 | 1744.2 | 657.9 | 81.9  | 15.1 | 0.0    |
| 20°   | 3374.4 | 3320.8 | 3225.7 | 3064.7 | 2798.4 | 2441.6 | 2039.7 | 737.0 | 67.8  | 9.4  | 0.0    |
| 21°   | 3485.5 | 3433.7 | 3340.5 | 3180.5 | 2915.1 | 2559.3 | 2112.2 | 753.9 | 61.2  | 7.5  | 0.0    |
| 22°   | 3583.4 | 3542.9 | 3456.3 | 3282.2 | 3012.0 | 2645.9 | 2185.6 | 755.8 | 56.5  | 5.6  | 0.0    |
| 23°   | 3652.1 | 3622.9 | 3536.3 | 3376.3 | 3107.1 | 2716.5 | 2225.1 | 744.5 | 50.8  | 3.8  | 0.0    |
| 24°   | 3718.0 | 3682.2 | 3607.9 | 3459.1 | 3182.4 | 2775.8 | 2260.9 | 723.8 | 45.2  | 2.8  | 0.0    |
| 25°   | 3754.7 | 3713.3 | 3655.9 | 3516.6 | 3244.5 | 2813.4 | 2282.6 | 697.5 | 39.5  | 1.9  | 0.0    |
| 26°   | 3780.1 | 3748.1 | 3685.0 | 3550.4 | 3270.9 | 2837.9 | 2285.4 | 658.9 | 35.8  | 0.9  | 0.0    |
| 27°   | 3818.7 | 3786.7 | 3725.5 | 3580.6 | 3282.2 | 2834.1 | 2268.4 | 614.6 | 31.1  | 0.0  | 0.0    |
| 28°   | 3877.1 | 3834.7 | 3773.5 | 3612.6 | 3286.9 | 2818.1 | 2230.8 | 566.6 | 26.4  | 0.0  | 0.0    |
| 29°   | 3943.9 | 3900.6 | 3833.8 | 3654.9 | 3287.8 | 2786.1 | 2171.5 | 513.9 | 23.5  | 0.0  | 0.0    |
| 30°   | 4015.4 | 3977.8 | 3910.0 | 3696.3 | 3298.2 | 2744.7 | 2102.8 | 457.5 | 18.8  | 0.0  | 0.0    |
| 31°   | 4071.9 | 4038.0 | 3965.5 | 3734.0 | 3306.6 | 2708.9 | 2018.1 | 401.0 | 16.0  | 0.0  | 0.0    |
| 32°   | 4120.8 | 4090.7 | 4001.3 | 3742.5 | 3289.7 | 2658.1 | 1927.7 | 346.4 | 13.2  | 0.0  | 0.0    |
| 33°   | 4154.7 | 4117.1 | 4012.6 | 3720.8 | 3240.8 | 2574.3 | 1827.0 | 294.6 | 10.4  | 0.0  | 0.0    |
| 34°   | 4167.0 | 4121.8 | 3995.7 | 3664.3 | 3141.9 | 2447.3 | 1696.2 | 241.0 | 8.5   | 0.0  | 0.0    |
| 35°   | 4153.8 | 4098.2 | 3934.5 | 3567.4 | 3008.3 | 2295.7 | 1539.0 | 186.4 | 6.6   | 0.0  | 0.0    |
| 36°   | 4111.4 | 4040.8 | 3846.9 | 3429.0 | 2817.2 | 2116.9 | 1381.8 | 145.0 | 4.7   | 0.0  | 0.0    |
| 37°   | 4020.1 | 3942.0 | 3697.3 | 3246.4 | 2628.0 | 1911.7 | 1202.9 | 113.0 | 2.8   | 0.0  | 0.0    |
| 38°   | 3908.1 | 3795.2 | 3497.7 | 3015.8 | 2383.3 | 1681.1 | 1026.0 | 93.2  | 1.9   | 0.0  | 0.0    |
| 39°   | 3717.0 | 3592.8 | 3260.5 | 2750.4 | 2143.3 | 1461.8 | 853.7  | 80.9  | 0.9   | 0.0  | 0.0    |
| 40°   | 3486.4 | 3338.7 | 2989.4 | 2466.1 | 1859.9 | 1232.1 | 712.5  | 67.8  | 0.9   | 0.0  | 0.0    |
| 42.5° | 2629.9 | 2504.7 | 2129.1 | 1677.3 | 1137.0 | 726.7  | 395.3  | 44.2  | 0.0   | 0.0  | 0.0    |
| 45°   | 1643.4 | 1512.6 | 1258.5 | 919.6  | 615.6  | 376.5  | 190.1  | 25.4  | 0.0   | 0.0  | 0.0    |
| 47.5° | 671.1  | 615.6  | 506.4  | 389.7  | 278.6  | 177.0  | 79.1   | 11.3  | 0.0   | 0.0  | 0.0    |
| 50°   | 230.6  | 205.2  | 172.3  | 126.1  | 89.4   | 61.2   | 41.4   | 2.8   | 0.0   | 0.0  | 0.0    |
| 52.5° | 66.8   | 67.8   | 59.3   | 50.8   | 39.5   | 28.2   | 20.7   | 0.0   | 0.0   | 0.0  | 0.0    |
| 55°   | 12.2   | 10.4   | 12.2   | 11.3   | 12.2   | 10.4   | 7.5    | 0.0   | 0.0   | 0.9  | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.0   | 0.9   | 0.9  | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.9   | 0.9  | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.9   | 1.9  | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.9   | 1.9  | 0.9    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9   | 1.9   | 1.9  | 0.9    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9   | 1.9   | 1.9  | 0.9    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9   | 1.9   | 2.8  | 0.9    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9   | 1.9   | 2.8  | 0.9    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9   | 1.9   | 2.8  | 0.9    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9   | 1.9   | 2.8  | 0.9    |



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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 | 0.0 | 0.9 | 1.9   | 2.8 | 0.9    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.9   | 2.8 | 0.9    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.9   | 2.8 | 0.9    |
| 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°    | 53.7 | 53.7   | 53.7 |
| 2.5°  | 34.8 | 31.1   | 29.2 |
| 5°    | 19.8 | 15.1   | 14.1 |
| 7.5°  | 10.4 | 6.6    | 5.6  |
| 10°   | 3.8  | 0.9    | 0.0  |
| 12.5° | 0.0  | 0.0    | 0.0  |
| 15°   | 0.0  | 0.0    | 0.0  |
| 17.5° | 0.0  | 0.0    | 0.0  |
| 20°   | 0.0  | 0.0    | 0.0  |
| 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    | 0.0  |
| 39°   | 0.0  | 0.0    | 0.0  |
| 40°   | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.0  | 0.0    | 0.0  |
| 45°   | 0.0  | 0.0    | 0.0  |
| 47.5° | 0.0  | 0.0    | 0.0  |
| 50°   | 0.0  | 0.0    | 0.0  |
| 52.5° | 0.0  | 0.0    | 0.0  |
| 55°   | 0.0  | 0.0    | 0.0  |
| 57.5° | 0.0  | 0.0    | 0.0  |
| 60°   | 0.0  | 0.0    | 0.0  |
| 62.5° | 0.0  | 0.0    | 0.0  |
| 65°   | 0.0  | 0.0    | 0.0  |
| 67.5° | 0.0  | 0.0    | 0.0  |
| 70°   | 0.0  | 0.0    | 0.0  |
| 72.5° | 0.0  | 0.0    | 0.0  |
| 75°   | 0.0  | 0.0    | 0.0  |
| 77.5° | 0.0  | 0.0    | 0.0  |
| 80°   | 0.0  | 0.0    | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)