

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: P1306086

Luminaire Tested: P3SQAS17R359024DE010 E3SQCA301MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306086  
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: P3SQAS17R359024DE010 E3SQCA301MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

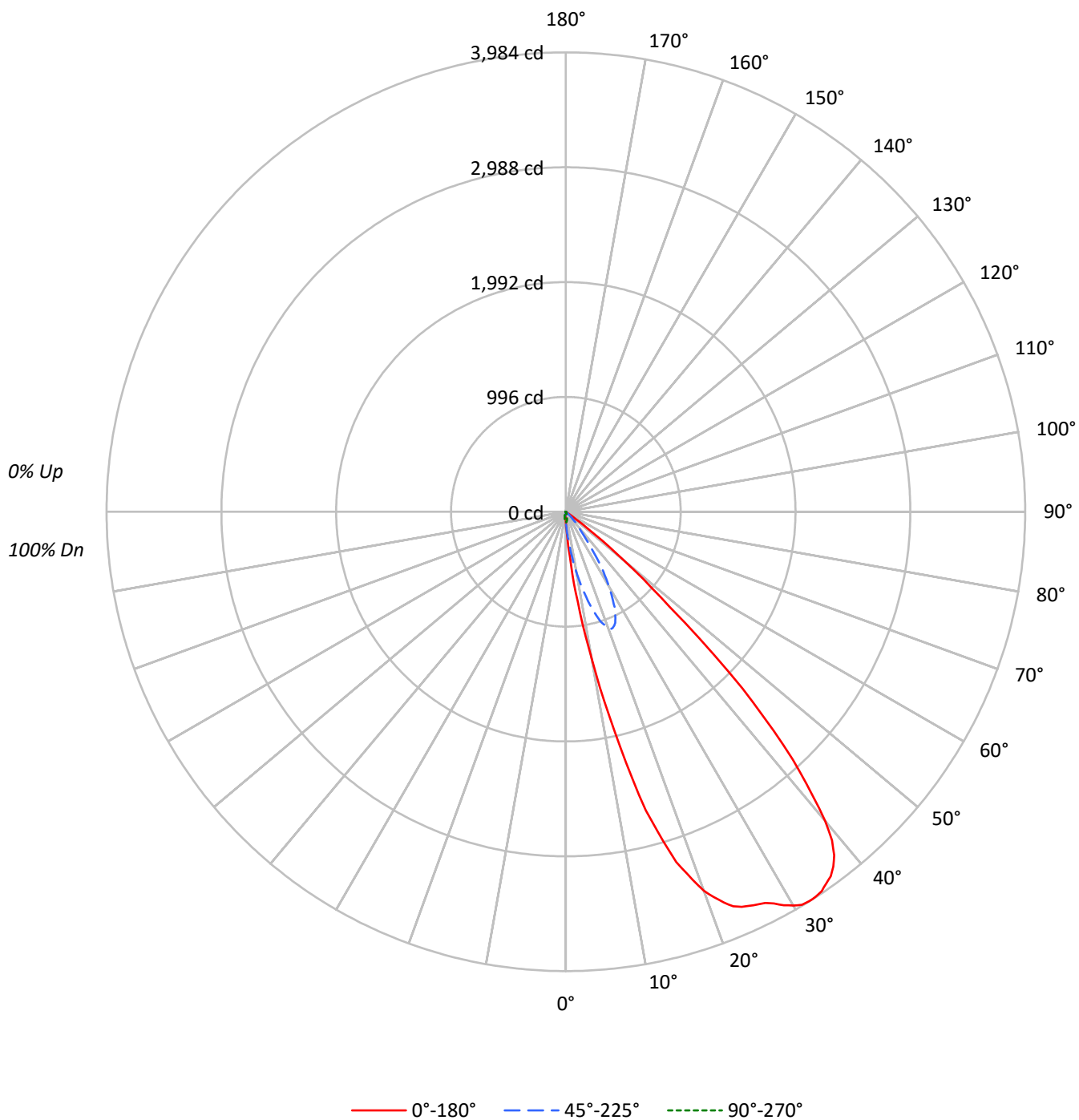
Lumens per Lamp: N/A  
Luminaire Lumens: 1190.0 lumens  
Efficiency: N/A  
Efficacy: 56.1 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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: P3SQAS17R359024DE010 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  | 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°  | 15448  | 15448  | 15448 | 15448 | 15448 |
| 5°  | 67129  | 41612  | 14332 | 5100  | 3527  |
| 10° | 225927 | 93910  | 10720 | 1189  | 402   |
| 15° | 478106 | 154032 | 6686  | 0     | 0     |
| 20° | 641043 | 196838 | 3116  | 0     | 0     |
| 25° | 716439 | 193295 | 646   | 0     | 0     |
| 30° | 784306 | 148095 | 0     | 0     | 0     |
| 35° | 827756 | 80671  | 0     | 0     | 0     |
| 40° | 786872 | 36241  | 0     | 0     | 0     |
| 45° | 528110 | 16026  | 0     | 0     | 0     |
| 50° | 176432 | 1527   | 0     | 0     | 0     |
| 55° | 9548   | 0      | 0     | 0     | 0     |
| 60° | 0      | 0      | 379   | 0     | 0     |
| 65° | 0      | 0      | 937   | 0     | 0     |
| 70° | 0      | 554    | 1158  | 0     | 0     |
| 75° | 0      | 732    | 1530  | 0     | 0     |
| 80° | 0      | 1091   | 2281  | 0     | 0     |
| 85° | 0      | 2174   | 4545  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 528110 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 19.3   | 1.6       |
| 10°-20°   | 165.1  | 13.9      |
| 20°-30°   | 362.3  | 30.4      |
| 30°-40°   | 419.0  | 35.2      |
| 40°-50°   | 206.8  | 17.4      |
| 50°-60°   | 15.3   | 1.3       |
| 60°-70°   | 0.5    | 0.0       |
| 70°-80°   | 0.9    | 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°    | 546.7  | 45.9      |
| 0°-40°    | 965.7  | 81.2      |
| 0°-60°    | 1187.8 | 99.8      |
| 0°-90°    | 1190.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1190.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0°  | 90   | 90   | 90  | 90   | 90   |      |
| 5°  | 388  | 241  | 83  | 30   | 20   | 67   |
| 15° | 2682 | 864  | 38  | 0    | 0    | 757  |
| 25° | 3770 | 1017 | 3   | 0    | 0    | 1743 |
| 35° | 3937 | 384  | 0   | 0    | 0    | 2431 |
| 45° | 2168 | 66   | 0   | 0    | 0    | 1591 |
| 55° | 32   | 0    | 0   | 0    | 0    | 130  |
| 65° | 0    | 0    | 2   | 0    | 0    | 0    |
| 75° | 0    | 1    | 2   | 0    | 0    | 0    |
| 85° | 0    | 1    | 2   | 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°    | 89.7   | 89.7   | 89.7   | 89.7   | 89.7   | 89.7   | 89.7   | 89.7   | 89.7   | 89.7  | 89.7 |
| 2.5°  | 178.2  | 182.8  | 180.5  | 180.5  | 179.4  | 173.7  | 163.5  | 160.1  | 147.6  | 116.9 | 90.8 |
| 5°    | 388.3  | 389.4  | 386.0  | 369.0  | 354.2  | 340.6  | 311.1  | 297.4  | 240.7  | 143.0 | 82.9 |
| 7.5°  | 787.9  | 770.8  | 749.3  | 725.4  | 673.2  | 625.5  | 563.1  | 497.2  | 372.4  | 165.7 | 73.8 |
| 10°   | 1291.9 | 1268.1 | 1249.9 | 1193.2 | 1098.9 | 1001.3 | 882.1  | 774.2  | 537.0  | 181.6 | 61.3 |
| 12.5° | 1942.4 | 1928.8 | 1864.1 | 1750.6 | 1610.9 | 1470.2 | 1262.4 | 1091.0 | 702.7  | 185.0 | 50.0 |
| 15°   | 2681.5 | 2658.8 | 2560.0 | 2398.8 | 2209.2 | 1987.8 | 1709.7 | 1421.3 | 863.9  | 174.8 | 37.5 |
| 17.5° | 3186.7 | 3174.2 | 3089.0 | 2919.9 | 2701.9 | 2420.4 | 2091.1 | 1731.3 | 996.8  | 153.3 | 26.1 |
| 20°   | 3497.7 | 3479.6 | 3400.1 | 3257.1 | 3028.9 | 2734.8 | 2344.3 | 1928.8 | 1074.0 | 126.0 | 17.0 |
| 21°   | 3578.3 | 3560.2 | 3496.6 | 3347.9 | 3129.9 | 2814.3 | 2413.6 | 1976.5 | 1088.7 | 113.5 | 13.6 |
| 22°   | 3654.4 | 3636.2 | 3569.3 | 3437.6 | 3221.9 | 2892.6 | 2468.1 | 2012.8 | 1086.4 | 103.3 | 10.2 |
| 23°   | 3718.0 | 3698.7 | 3632.8 | 3511.4 | 3294.5 | 2961.9 | 2508.9 | 2031.0 | 1071.7 | 93.1  | 7.9  |
| 24°   | 3750.9 | 3739.5 | 3680.5 | 3565.8 | 3353.6 | 3010.7 | 2537.3 | 2037.8 | 1053.5 | 82.9  | 5.7  |
| 25°   | 3770.2 | 3756.6 | 3698.7 | 3593.1 | 3392.2 | 3049.3 | 2555.5 | 2032.1 | 1017.2 | 73.8  | 3.4  |
| 26°   | 3790.6 | 3770.2 | 3704.4 | 3602.2 | 3412.6 | 3067.5 | 2556.6 | 2017.4 | 978.6  | 65.8  | 1.1  |
| 27°   | 3808.8 | 3789.5 | 3721.4 | 3609.0 | 3416.0 | 3061.8 | 2547.5 | 1989.0 | 932.0  | 57.9  | 1.1  |
| 28°   | 3848.5 | 3827.0 | 3748.6 | 3623.7 | 3419.4 | 3047.0 | 2519.1 | 1950.4 | 870.7  | 51.1  | 0.0  |
| 29°   | 3900.8 | 3878.0 | 3788.4 | 3658.9 | 3427.3 | 3031.1 | 2480.5 | 1899.3 | 817.4  | 45.4  | 0.0  |
| 30°   | 3943.9 | 3923.5 | 3840.6 | 3703.2 | 3447.8 | 3016.4 | 2435.1 | 1830.0 | 744.7  | 38.6  | 0.0  |
| 31°   | 3975.7 | 3955.2 | 3879.2 | 3740.7 | 3465.9 | 3002.8 | 2378.4 | 1758.5 | 678.9  | 34.1  | 0.0  |
| 32°   | 3983.6 | 3966.6 | 3895.1 | 3756.6 | 3465.9 | 2982.3 | 2326.1 | 1677.9 | 614.2  | 28.4  | 0.0  |
| 33°   | 3980.2 | 3963.2 | 3890.5 | 3745.2 | 3435.3 | 2933.5 | 2262.6 | 1581.4 | 540.4  | 25.0  | 0.0  |
| 34°   | 3967.7 | 3947.3 | 3870.1 | 3708.9 | 3375.1 | 2850.6 | 2170.6 | 1484.9 | 463.2  | 20.4  | 0.0  |
| 35°   | 3937.1 | 3918.9 | 3834.9 | 3640.8 | 3282.0 | 2724.6 | 2048.0 | 1373.7 | 383.7  | 17.0  | 0.0  |
| 36°   | 3907.6 | 3880.3 | 3777.0 | 3556.8 | 3159.4 | 2595.2 | 1901.6 | 1245.4 | 315.6  | 13.6  | 0.0  |
| 37°   | 3853.1 | 3814.5 | 3710.0 | 3435.3 | 2985.7 | 2412.4 | 1734.7 | 1104.6 | 264.5  | 10.2  | 0.0  |
| 38°   | 3780.4 | 3728.2 | 3595.4 | 3294.5 | 2810.9 | 2241.0 | 1578.0 | 977.5  | 222.5  | 6.8   | 0.0  |
| 39°   | 3668.0 | 3606.7 | 3426.2 | 3101.5 | 2608.8 | 2042.3 | 1398.6 | 842.4  | 189.6  | 4.5   | 0.0  |
| 40°   | 3500.0 | 3442.1 | 3242.3 | 2872.2 | 2407.9 | 1823.2 | 1214.7 | 690.2  | 161.2  | 2.3   | 0.0  |
| 42.5° | 2914.2 | 2834.7 | 2603.1 | 2235.3 | 1780.1 | 1311.2 | 803.8  | 383.7  | 106.7  | 0.0   | 0.0  |
| 45°   | 2168.3 | 2098.0 | 1870.9 | 1536.0 | 1186.3 | 802.6  | 430.3  | 225.9  | 65.8   | 0.0   | 0.0  |
| 47.5° | 1224.9 | 1217.0 | 1069.4 | 882.1  | 661.9  | 426.9  | 218.0  | 136.2  | 28.4   | 0.0   | 0.0  |
| 50°   | 658.5  | 617.6  | 532.4  | 404.2  | 275.9  | 186.2  | 118.1  | 74.9   | 5.7    | 0.0   | 0.0  |
| 52.5° | 240.7  | 232.7  | 195.3  | 162.3  | 124.9  | 85.1   | 60.2   | 32.9   | 0.0    | 0.0   | 0.0  |
| 55°   | 31.8   | 29.5   | 30.7   | 32.9   | 34.1   | 29.5   | 19.3   | 6.8    | 0.0    | 0.0   | 0.0  |
| 57.5° | 0.0    | 0.0    | 0.0    | 1.1    | 2.3    | 2.3    | 2.3    | 0.0    | 0.0    | 0.0   | 1.1  |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1   | 1.1  |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1   | 1.1  |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1   | 2.3  |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.3   | 2.3  |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 2.3   | 2.3  |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 2.3   | 2.3  |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 2.3   | 2.3  |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 2.3   | 2.3  |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 2.3   | 2.3  |



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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 | 1.1 | 2.3   | 2.3 |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 2.3   | 2.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 2.3   | 2.3 |
| 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):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0°    | 89.7   | 89.7 | 89.7   | 89.7 |
| 2.5°  | 69.3   | 53.4 | 45.4   | 44.3 |
| 5°    | 47.7   | 29.5 | 21.6   | 20.4 |
| 7.5°  | 32.9   | 14.8 | 10.2   | 9.1  |
| 10°   | 19.3   | 6.8  | 3.4    | 2.3  |
| 12.5° | 11.4   | 1.1  | 0.0    | 0.0  |
| 15°   | 3.4    | 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°   | 1.1    | 0.0  | 0.0    | 0.0  |
| 67.5° | 1.1    | 0.0  | 0.0    | 0.0  |
| 70°   | 1.1    | 0.0  | 0.0    | 0.0  |
| 72.5° | 1.1    | 0.0  | 0.0    | 0.0  |
| 75°   | 1.1    | 0.0  | 0.0    | 0.0  |
| 77.5° | 1.1    | 0.0  | 0.0    | 0.0  |
| 80°   | 1.1    | 0.0  | 0.0    | 0.0  |





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CATALOG NUMBER: P3SQAS17R359024DE010 E3SQCA301MB

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 1.1    | 0.0  | 0.0    | 0.0  |
| 85°   | 1.1    | 0.0  | 0.0    | 0.0  |
| 87.5° | 1.1    | 0.0  | 0.0    | 0.0  |
| 90°   | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)