

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: P1308019

Luminaire Tested: P3SQAS13R359030DE010 E3SQCA301MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308019  
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: P3SQAS13R359030DE010 E3SQCA301MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

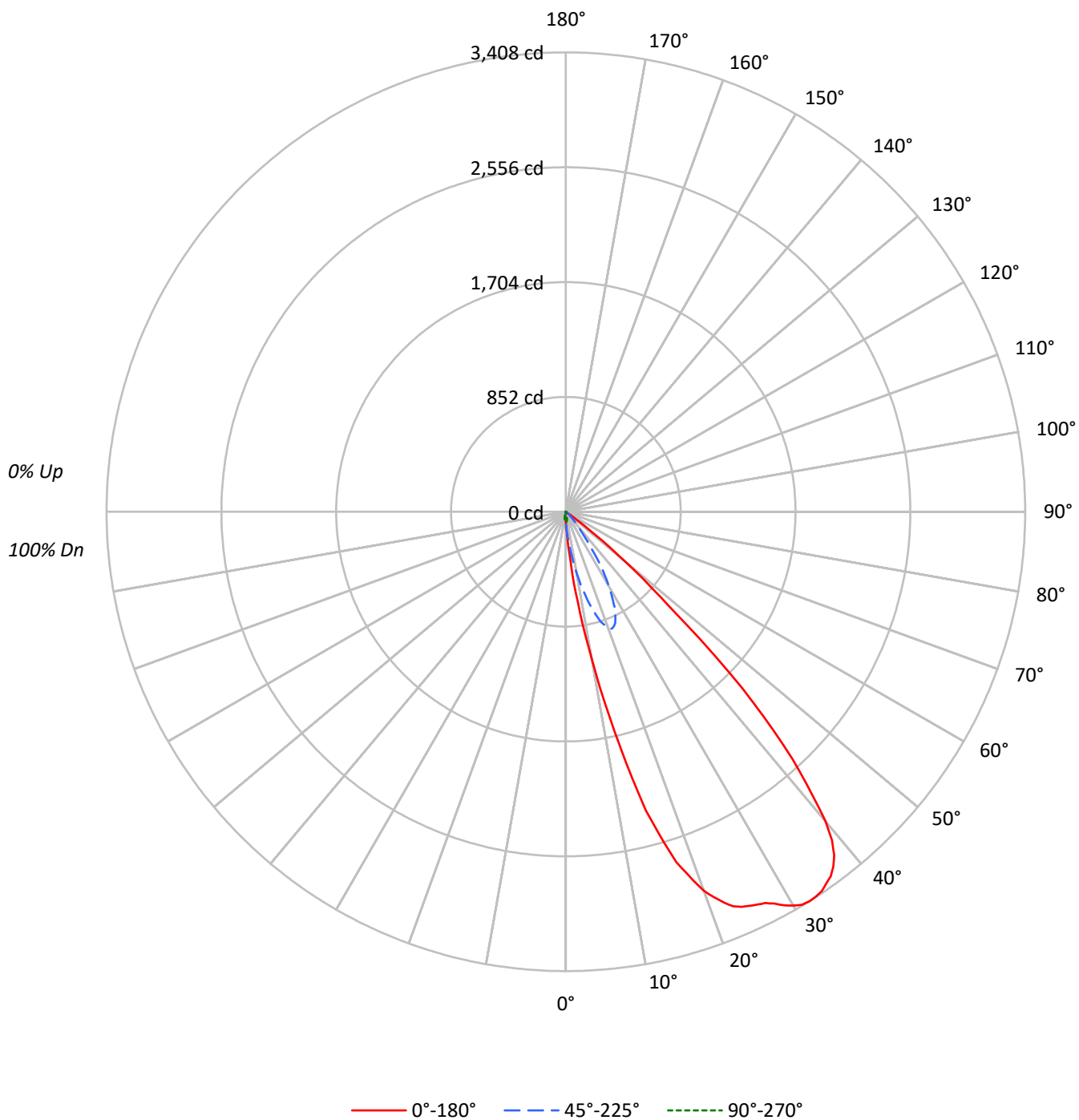
Lumens per Lamp: N/A  
Luminaire Lumens: 1018.0 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  | 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°  | 13209  | 13209  | 13209 | 13209 | 13209 |
| 5°  | 57414  | 35596  | 12257 | 4374  | 3025  |
| 10° | 193277 | 80340  | 9164  | 1014  | 332   |
| 15° | 408998 | 131780 | 5706  | 0     | 0     |
| 20° | 548397 | 168375 | 2676  | 0     | 0     |
| 25° | 612893 | 165361 | 551   | 0     | 0     |
| 30° | 670933 | 126697 | 0     | 0     | 0     |
| 35° | 708105 | 69023  | 0     | 0     | 0     |
| 40° | 673136 | 31003  | 0     | 0     | 0     |
| 45° | 451779 | 13712  | 0     | 0     | 0     |
| 50° | 150925 | 1313   | 0     | 0     | 0     |
| 55° | 8167   | 0      | 0     | 0     | 0     |
| 60° | 0      | 0      | 344   | 0     | 0     |
| 65° | 0      | 0      | 774   | 0     | 0     |
| 70° | 0      | 504    | 957   | 0     | 0     |
| 75° | 0      | 665    | 1264  | 0     | 0     |
| 80° | 0      | 992    | 1884  | 0     | 0     |
| 85° | 0      | 1976   | 3754  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 451779 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 16.5   | 1.6       |
| 10°-20°   | 141.2  | 13.9      |
| 20°-30°   | 309.9  | 30.4      |
| 30°-40°   | 358.5  | 35.2      |
| 40°-50°   | 177.0  | 17.4      |
| 50°-60°   | 13.1   | 1.3       |
| 60°-70°   | 0.5    | 0.0       |
| 70°-80°   | 0.7    | 0.1       |
| 80°-90°   | 0.7    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 467.6  | 45.9      |
| 0°-40°    | 826.1  | 81.2      |
| 0°-60°    | 1016.2 | 99.8      |
| 0°-90°    | 1018.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1018.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 77   | 77  | 77  | 77   | 77   |      |
| 5°  | 332  | 206 | 71  | 25   | 18   | 57   |
| 15° | 2294 | 739 | 32  | 0    | 0    | 647  |
| 25° | 3225 | 870 | 3   | 0    | 0    | 1491 |
| 35° | 3368 | 328 | 0   | 0    | 0    | 2080 |
| 45° | 1855 | 56  | 0   | 0    | 0    | 1361 |
| 55° | 27   | 0   | 0   | 0    | 0    | 111  |
| 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°    | 76.7   | 76.7   | 76.7   | 76.7   | 76.7   | 76.7   | 76.7   | 76.7   | 76.7  | 76.7  | 76.7 |
| 2.5°  | 152.5  | 156.4  | 154.4  | 154.4  | 153.4  | 148.6  | 139.8  | 136.9  | 126.3 | 100.0 | 77.7 |
| 5°    | 332.1  | 333.1  | 330.2  | 315.6  | 303.0  | 291.4  | 266.1  | 254.4  | 205.9 | 122.4 | 70.9 |
| 7.5°  | 674.0  | 659.4  | 641.0  | 620.6  | 575.9  | 535.1  | 481.7  | 425.4  | 318.5 | 141.8 | 63.1 |
| 10°   | 1105.2 | 1084.8 | 1069.3 | 1020.7 | 940.1  | 856.6  | 754.6  | 662.3  | 459.4 | 155.4 | 52.4 |
| 12.5° | 1661.7 | 1650.0 | 1594.7 | 1497.5 | 1378.1 | 1257.7 | 1079.9 | 933.3  | 601.2 | 158.3 | 42.7 |
| 15°   | 2293.9 | 2274.5 | 2190.0 | 2052.1 | 1889.9 | 1700.5 | 1462.6 | 1215.9 | 739.1 | 149.6 | 32.0 |
| 17.5° | 2726.1 | 2715.4 | 2642.6 | 2497.9 | 2311.4 | 2070.5 | 1788.9 | 1481.0 | 852.7 | 131.1 | 22.3 |
| 20°   | 2992.2 | 2976.6 | 2908.7 | 2786.3 | 2591.1 | 2339.6 | 2005.5 | 1650.0 | 918.7 | 107.8 | 14.6 |
| 21°   | 3061.1 | 3045.6 | 2991.2 | 2864.0 | 2677.5 | 2407.5 | 2064.7 | 1690.8 | 931.4 | 97.1  | 11.7 |
| 22°   | 3126.2 | 3110.7 | 3053.4 | 2940.7 | 2756.2 | 2474.5 | 2111.3 | 1721.9 | 929.4 | 88.4  | 8.7  |
| 23°   | 3180.6 | 3164.1 | 3107.7 | 3003.8 | 2818.3 | 2533.8 | 2146.3 | 1737.4 | 916.8 | 79.6  | 6.8  |
| 24°   | 3208.7 | 3199.0 | 3148.5 | 3050.4 | 2868.8 | 2575.5 | 2170.6 | 1743.3 | 901.2 | 70.9  | 4.9  |
| 25°   | 3225.3 | 3213.6 | 3164.1 | 3073.8 | 2901.9 | 2608.6 | 2186.1 | 1738.4 | 870.2 | 63.1  | 2.9  |
| 26°   | 3242.7 | 3225.3 | 3168.9 | 3081.5 | 2919.3 | 2624.1 | 2187.1 | 1725.8 | 837.1 | 56.3  | 1.0  |
| 27°   | 3258.3 | 3241.8 | 3183.5 | 3087.4 | 2922.3 | 2619.2 | 2179.3 | 1701.5 | 797.3 | 49.5  | 1.0  |
| 28°   | 3292.3 | 3273.8 | 3206.8 | 3100.0 | 2925.2 | 2606.6 | 2155.0 | 1668.5 | 744.9 | 43.7  | 0.0  |
| 29°   | 3336.9 | 3317.5 | 3240.8 | 3130.1 | 2932.0 | 2593.0 | 2122.0 | 1624.8 | 699.2 | 38.8  | 0.0  |
| 30°   | 3373.8 | 3356.4 | 3285.5 | 3168.0 | 2949.4 | 2580.4 | 2083.2 | 1565.5 | 637.1 | 33.0  | 0.0  |
| 31°   | 3401.0 | 3383.6 | 3318.5 | 3200.0 | 2965.0 | 2568.7 | 2034.6 | 1504.3 | 580.8 | 29.1  | 0.0  |
| 32°   | 3407.8 | 3393.3 | 3332.1 | 3213.6 | 2965.0 | 2551.3 | 1989.9 | 1435.4 | 525.4 | 24.3  | 0.0  |
| 33°   | 3404.9 | 3390.4 | 3328.2 | 3203.9 | 2938.8 | 2509.5 | 1935.5 | 1352.8 | 462.3 | 21.4  | 0.0  |
| 34°   | 3394.2 | 3376.8 | 3310.7 | 3172.8 | 2887.3 | 2438.6 | 1856.9 | 1270.3 | 396.2 | 17.5  | 0.0  |
| 35°   | 3368.0 | 3352.5 | 3280.6 | 3114.5 | 2807.7 | 2330.8 | 1752.0 | 1175.1 | 328.3 | 14.6  | 0.0  |
| 36°   | 3342.8 | 3319.5 | 3231.1 | 3042.7 | 2702.8 | 2220.1 | 1626.7 | 1065.4 | 270.0 | 11.7  | 0.0  |
| 37°   | 3296.2 | 3263.1 | 3173.8 | 2938.8 | 2554.2 | 2063.7 | 1483.9 | 944.9  | 226.3 | 8.7   | 0.0  |
| 38°   | 3234.0 | 3189.3 | 3075.7 | 2818.3 | 2404.6 | 1917.1 | 1349.9 | 836.2  | 190.3 | 5.8   | 0.0  |
| 39°   | 3137.9 | 3085.4 | 2931.0 | 2653.2 | 2231.8 | 1747.1 | 1196.5 | 720.6  | 162.2 | 3.9   | 0.0  |
| 40°   | 2994.1 | 2944.6 | 2773.7 | 2457.1 | 2059.9 | 1559.7 | 1039.2 | 590.5  | 137.9 | 1.9   | 0.0  |
| 42.5° | 2493.0 | 2425.0 | 2226.9 | 1912.2 | 1522.8 | 1121.7 | 687.6  | 328.3  | 91.3  | 0.0   | 0.0  |
| 45°   | 1854.9 | 1794.7 | 1600.5 | 1314.0 | 1014.9 | 686.6  | 368.1  | 193.3  | 56.3  | 0.0   | 0.0  |
| 47.5° | 1047.9 | 1041.1 | 914.8  | 754.6  | 566.2  | 365.2  | 186.5  | 116.5  | 24.3  | 0.0   | 0.0  |
| 50°   | 563.3  | 528.3  | 455.5  | 345.7  | 236.0  | 159.3  | 101.0  | 64.1   | 4.9   | 0.0   | 0.0  |
| 52.5° | 205.9  | 199.1  | 167.0  | 138.9  | 106.8  | 72.8   | 51.5   | 28.2   | 0.0   | 0.0   | 0.0  |
| 55°   | 27.2   | 25.3   | 26.2   | 28.2   | 29.1   | 25.3   | 16.5   | 5.8    | 0.0   | 0.0   | 0.0  |
| 57.5° | 0.0    | 0.0    | 0.0    | 1.0    | 1.9    | 1.9    | 1.9    | 0.0    | 0.0   | 0.0   | 1.0  |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 1.0   | 1.0  |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 1.0   | 1.0  |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 1.0   | 1.9  |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 1.9   | 1.9  |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0   | 1.9   | 1.9  |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0   | 1.9   | 1.9  |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0   | 1.9   | 1.9  |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0   | 1.9   | 1.9  |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0   | 1.9   | 1.9  |



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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 | 1.0 | 1.9   | 1.9 |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.9   | 1.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.9   | 1.9 |
| 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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CATALOG NUMBER: P3SQAS13R359030DE010 E3SQCA301MB

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0°    | 76.7   | 76.7 | 76.7   | 76.7 |
| 2.5°  | 59.2   | 45.6 | 38.8   | 37.9 |
| 5°    | 40.8   | 25.3 | 18.5   | 17.5 |
| 7.5°  | 28.2   | 12.6 | 8.7    | 7.8  |
| 10°   | 16.5   | 5.8  | 2.9    | 1.9  |
| 12.5° | 9.7    | 1.0  | 0.0    | 0.0  |
| 15°   | 2.9    | 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°   | 1.0    | 0.0  | 0.0    | 0.0  |
| 67.5° | 1.0    | 0.0  | 0.0    | 0.0  |
| 70°   | 1.0    | 0.0  | 0.0    | 0.0  |
| 72.5° | 1.0    | 0.0  | 0.0    | 0.0  |
| 75°   | 1.0    | 0.0  | 0.0    | 0.0  |
| 77.5° | 1.0    | 0.0  | 0.0    | 0.0  |
| 80°   | 1.0    | 0.0  | 0.0    | 0.0  |





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CATALOG NUMBER: P3SQAS13R359030DE010 E3SQCA301MB

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 1.0    | 0.0  | 0.0    | 0.0  |
| 85°   | 1.0    | 0.0  | 0.0    | 0.0  |
| 87.5° | 1.0    | 0.0  | 0.0    | 0.0  |
| 90°   | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)