

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: P1310412

Luminaire Tested: P3SQAS17R359040DE010 E3SQCA301MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310412  
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: P3SQAS17R359040DE010 E3SQCA301MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCA301MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

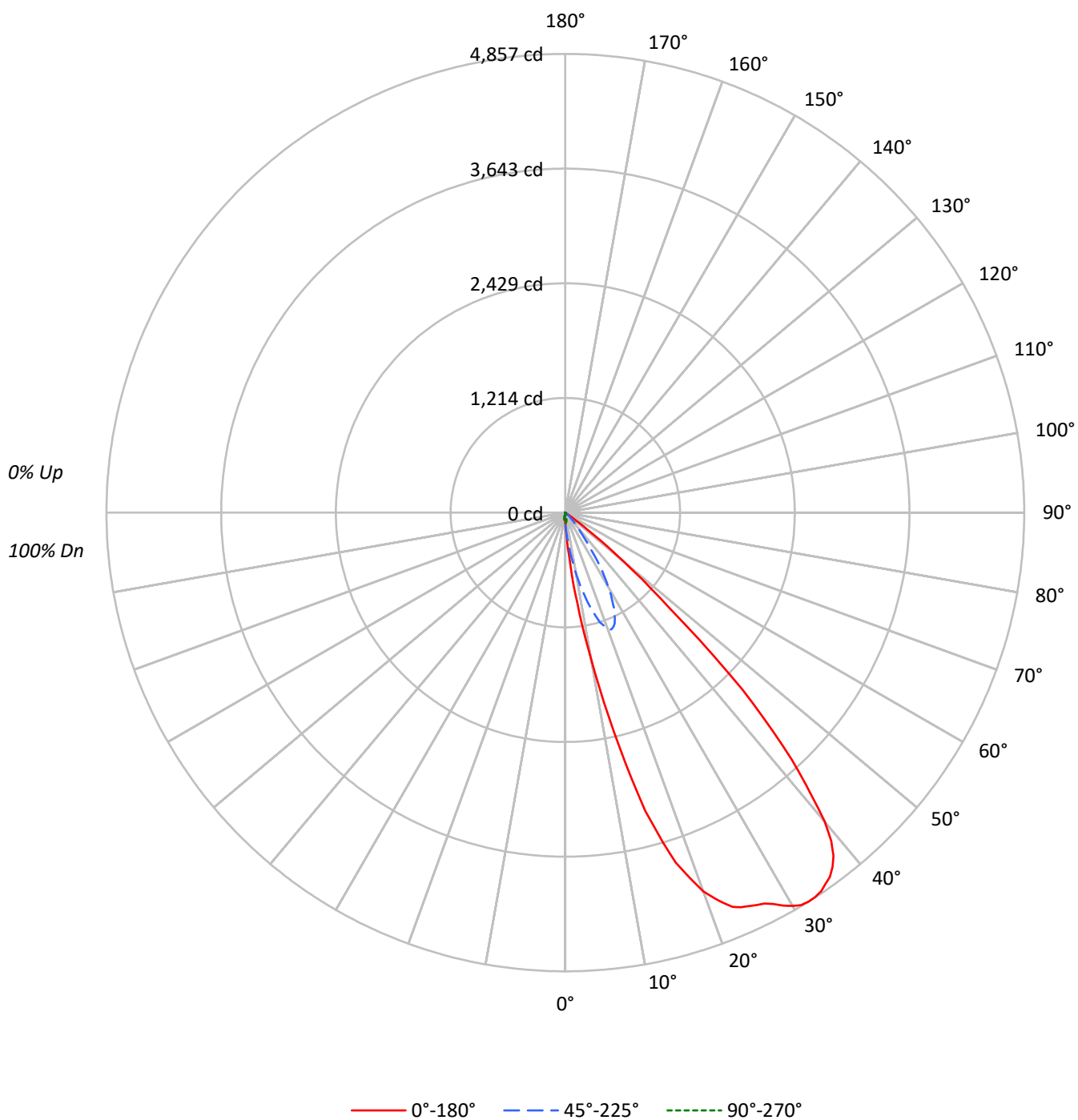
Lumens per Lamp: N/A  
Luminaire Lumens: 1451.0 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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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### 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 | 106 | 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°  | 18841   | 18841  | 18841 | 18841 | 18841 |
| 5°  | 81842   | 50740  | 17478 | 6224  | 4305  |
| 10° | 275488  | 114511 | 13063 | 1451  | 490   |
| 15° | 582963  | 187819 | 8148  | 0     | 0     |
| 20° | 781652  | 239999 | 3812  | 0     | 0     |
| 25° | 873572  | 235690 | 798   | 0     | 0     |
| 30° | 956325  | 180590 | 0     | 0     | 0     |
| 35° | 1009302 | 98374  | 0     | 0     | 0     |
| 40° | 959467  | 44200  | 0     | 0     | 0     |
| 45° | 643947  | 19558  | 0     | 0     | 0     |
| 50° | 215122  | 1849   | 0     | 0     | 0     |
| 55° | 11650   | 0      | 0     | 0     | 0     |
| 60° | 0       | 0      | 482   | 0     | 0     |
| 65° | 0       | 0      | 1141  | 0     | 0     |
| 70° | 0       | 705    | 1410  | 0     | 0     |
| 75° | 0       | 932    | 1863  | 0     | 0     |
| 80° | 0       | 1389   | 2777  | 0     | 0     |
| 85° | 0       | 2766   | 5533  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 643947 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.5   | 1.6       |
| 10°-20°   | 201.3  | 13.9      |
| 20°-30°   | 441.7  | 30.4      |
| 30°-40°   | 510.9  | 35.2      |
| 40°-50°   | 252.2  | 17.4      |
| 50°-60°   | 18.7   | 1.3       |
| 60°-70°   | 0.7    | 0.0       |
| 70°-80°   | 1.1    | 0.1       |
| 80°-90°   | 1.0    | 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°    | 666.6  | 45.9      |
| 0°-40°    | 1177.5 | 81.1      |
| 0°-60°    | 1448.4 | 99.8      |
| 0°-90°    | 1451.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1451.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0°  | 109  | 109  | 109 | 109  | 109  |      |
| 5°  | 473  | 294  | 101 | 36   | 25   | 81   |
| 15° | 3270 | 1053 | 46  | 0    | 0    | 923  |
| 25° | 4597 | 1240 | 4   | 0    | 0    | 2125 |
| 35° | 4801 | 468  | 0   | 0    | 0    | 2964 |
| 45° | 2644 | 80   | 0   | 0    | 0    | 1941 |
| 55° | 39   | 0    | 0   | 0    | 0    | 158  |
| 65° | 0    | 0    | 3   | 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°    | 35°    | 45°    | 67.5° | 90°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0°    | 109.4  | 109.4  | 109.4  | 109.4  | 109.4  | 109.4  | 109.4  | 109.4  | 109.4  | 109.4 | 109.4 |
| 2.5°  | 217.3  | 222.9  | 220.1  | 220.1  | 218.7  | 211.8  | 199.3  | 195.2  | 180.0  | 142.6 | 110.7 |
| 5°    | 473.4  | 474.8  | 470.6  | 449.9  | 431.9  | 415.3  | 379.3  | 362.7  | 293.5  | 174.4 | 101.1 |
| 7.5°  | 960.7  | 939.9  | 913.6  | 884.5  | 820.9  | 762.7  | 686.6  | 606.3  | 454.0  | 202.1 | 90.0  |
| 10°   | 1575.3 | 1546.2 | 1524.1 | 1454.8 | 1340.0 | 1220.9 | 1075.6 | 944.1  | 654.8  | 221.5 | 74.7  |
| 12.5° | 2368.5 | 2351.8 | 2272.9 | 2134.5 | 1964.3 | 1792.6 | 1539.3 | 1330.3 | 856.9  | 225.6 | 60.9  |
| 15°   | 3269.6 | 3241.9 | 3121.5 | 2924.9 | 2693.8 | 2423.8 | 2084.7 | 1733.1 | 1053.4 | 213.2 | 45.7  |
| 17.5° | 3885.6 | 3870.4 | 3766.6 | 3560.3 | 3294.5 | 2951.2 | 2549.8 | 2111.0 | 1215.4 | 186.9 | 31.8  |
| 20°   | 4264.9 | 4242.7 | 4145.8 | 3971.4 | 3693.2 | 3334.7 | 2858.5 | 2351.8 | 1309.5 | 153.7 | 20.8  |
| 21°   | 4363.2 | 4341.0 | 4263.5 | 4082.2 | 3816.4 | 3431.6 | 2942.9 | 2410.0 | 1327.5 | 138.4 | 16.6  |
| 22°   | 4455.9 | 4433.8 | 4352.1 | 4191.5 | 3928.5 | 3527.1 | 3009.4 | 2454.3 | 1324.7 | 126.0 | 12.5  |
| 23°   | 4533.4 | 4509.9 | 4429.6 | 4281.5 | 4017.1 | 3611.5 | 3059.2 | 2476.4 | 1306.7 | 113.5 | 9.7   |
| 24°   | 4573.6 | 4559.7 | 4487.7 | 4347.9 | 4089.1 | 3671.0 | 3093.8 | 2484.7 | 1284.6 | 101.1 | 6.9   |
| 25°   | 4597.1 | 4580.5 | 4509.9 | 4381.2 | 4136.1 | 3718.1 | 3116.0 | 2477.8 | 1240.3 | 90.0  | 4.2   |
| 26°   | 4622.0 | 4597.1 | 4516.8 | 4392.2 | 4161.1 | 3740.3 | 3117.3 | 2459.8 | 1193.2 | 80.3  | 1.4   |
| 27°   | 4644.2 | 4620.6 | 4537.6 | 4400.5 | 4165.2 | 3733.3 | 3106.3 | 2425.2 | 1136.5 | 70.6  | 1.4   |
| 28°   | 4692.6 | 4666.3 | 4570.8 | 4418.5 | 4169.4 | 3715.3 | 3071.7 | 2378.1 | 1061.7 | 62.3  | 0.0   |
| 29°   | 4756.3 | 4728.6 | 4619.3 | 4461.4 | 4179.1 | 3696.0 | 3024.6 | 2315.9 | 996.7  | 55.4  | 0.0   |
| 30°   | 4808.9 | 4784.0 | 4682.9 | 4515.4 | 4204.0 | 3678.0 | 2969.2 | 2231.4 | 908.1  | 47.1  | 0.0   |
| 31°   | 4847.7 | 4822.7 | 4730.0 | 4561.1 | 4226.1 | 3661.3 | 2900.0 | 2144.2 | 827.8  | 41.5  | 0.0   |
| 32°   | 4857.3 | 4836.6 | 4749.4 | 4580.5 | 4226.1 | 3636.4 | 2836.3 | 2045.9 | 748.9  | 34.6  | 0.0   |
| 33°   | 4853.2 | 4832.4 | 4743.8 | 4566.7 | 4188.7 | 3576.9 | 2758.8 | 1928.3 | 658.9  | 30.5  | 0.0   |
| 34°   | 4838.0 | 4813.0 | 4718.9 | 4522.4 | 4115.4 | 3475.9 | 2646.7 | 1810.6 | 564.8  | 24.9  | 0.0   |
| 35°   | 4800.6 | 4778.4 | 4676.0 | 4439.3 | 4001.9 | 3322.2 | 2497.2 | 1674.9 | 467.9  | 20.8  | 0.0   |
| 36°   | 4764.6 | 4731.4 | 4605.4 | 4336.9 | 3852.4 | 3164.4 | 2318.6 | 1518.5 | 384.8  | 16.6  | 0.0   |
| 37°   | 4698.2 | 4651.1 | 4523.7 | 4188.7 | 3640.6 | 2941.5 | 2115.1 | 1346.9 | 322.5  | 12.5  | 0.0   |
| 38°   | 4609.6 | 4545.9 | 4383.9 | 4017.1 | 3427.4 | 2732.5 | 1924.1 | 1191.8 | 271.3  | 8.3   | 0.0   |
| 39°   | 4472.5 | 4397.8 | 4177.7 | 3781.8 | 3181.0 | 2490.3 | 1705.4 | 1027.1 | 231.2  | 5.5   | 0.0   |
| 40°   | 4267.7 | 4197.1 | 3953.4 | 3502.2 | 2936.0 | 2223.1 | 1481.2 | 841.6  | 196.6  | 2.8   | 0.0   |
| 42.5° | 3553.4 | 3456.5 | 3174.1 | 2725.6 | 2170.5 | 1598.8 | 980.1  | 467.9  | 130.1  | 0.0   | 0.0   |
| 45°   | 2643.9 | 2558.1 | 2281.2 | 1872.9 | 1446.5 | 978.7  | 524.6  | 275.5  | 80.3   | 0.0   | 0.0   |
| 47.5° | 1493.6 | 1483.9 | 1304.0 | 1075.6 | 807.0  | 520.5  | 265.8  | 166.1  | 34.6   | 0.0   | 0.0   |
| 50°   | 802.9  | 753.0  | 649.2  | 492.8  | 336.4  | 227.0  | 144.0  | 91.4   | 6.9    | 0.0   | 0.0   |
| 52.5° | 293.5  | 283.8  | 238.1  | 197.9  | 152.3  | 103.8  | 73.4   | 40.1   | 0.0    | 0.0   | 0.0   |
| 55°   | 38.8   | 36.0   | 37.4   | 40.1   | 41.5   | 36.0   | 23.5   | 8.3    | 0.0    | 0.0   | 0.0   |
| 57.5° | 0.0    | 0.0    | 0.0    | 1.4    | 2.8    | 2.8    | 2.8    | 0.0    | 0.0    | 0.0   | 1.4   |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4   | 1.4   |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4   | 1.4   |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4   | 2.8   |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.8   | 2.8   |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 2.8   | 2.8   |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 2.8   | 2.8   |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 2.8   | 2.8   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 2.8   | 2.8   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 2.8   | 2.8   |



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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 | 1.4 | 2.8   | 2.8 |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8   | 2.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.8   | 2.8 |
| 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°    | 109.4  | 109.4 | 109.4  | 109.4 |
| 2.5°  | 84.4   | 65.1  | 55.4   | 54.0  |
| 5°    | 58.1   | 36.0  | 26.3   | 24.9  |
| 7.5°  | 40.1   | 18.0  | 12.5   | 11.1  |
| 10°   | 23.5   | 8.3   | 4.2    | 2.8   |
| 12.5° | 13.8   | 1.4   | 0.0    | 0.0   |
| 15°   | 4.2    | 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°   | 1.4    | 0.0   | 0.0    | 0.0   |
| 67.5° | 1.4    | 0.0   | 0.0    | 0.0   |
| 70°   | 1.4    | 0.0   | 0.0    | 0.0   |
| 72.5° | 1.4    | 0.0   | 0.0    | 0.0   |
| 75°   | 1.4    | 0.0   | 0.0    | 0.0   |
| 77.5° | 1.4    | 0.0   | 0.0    | 0.0   |
| 80°   | 1.4    | 0.0   | 0.0    | 0.0   |



TEST NUMBER: P1310412

CATALOG NUMBER: P3SQAS17R359040DE010 E3SQCA301MB

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 1.4    | 0.0  | 0.0    | 0.0  |
| 85°   | 1.4    | 0.0  | 0.0    | 0.0  |
| 87.5° | 1.4    | 0.0  | 0.0    | 0.0  |
| 90°   | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)