

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: P1306054

Luminaire Tested: P3SQASS17R259024DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306054  
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: P3SQASS17R259024DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

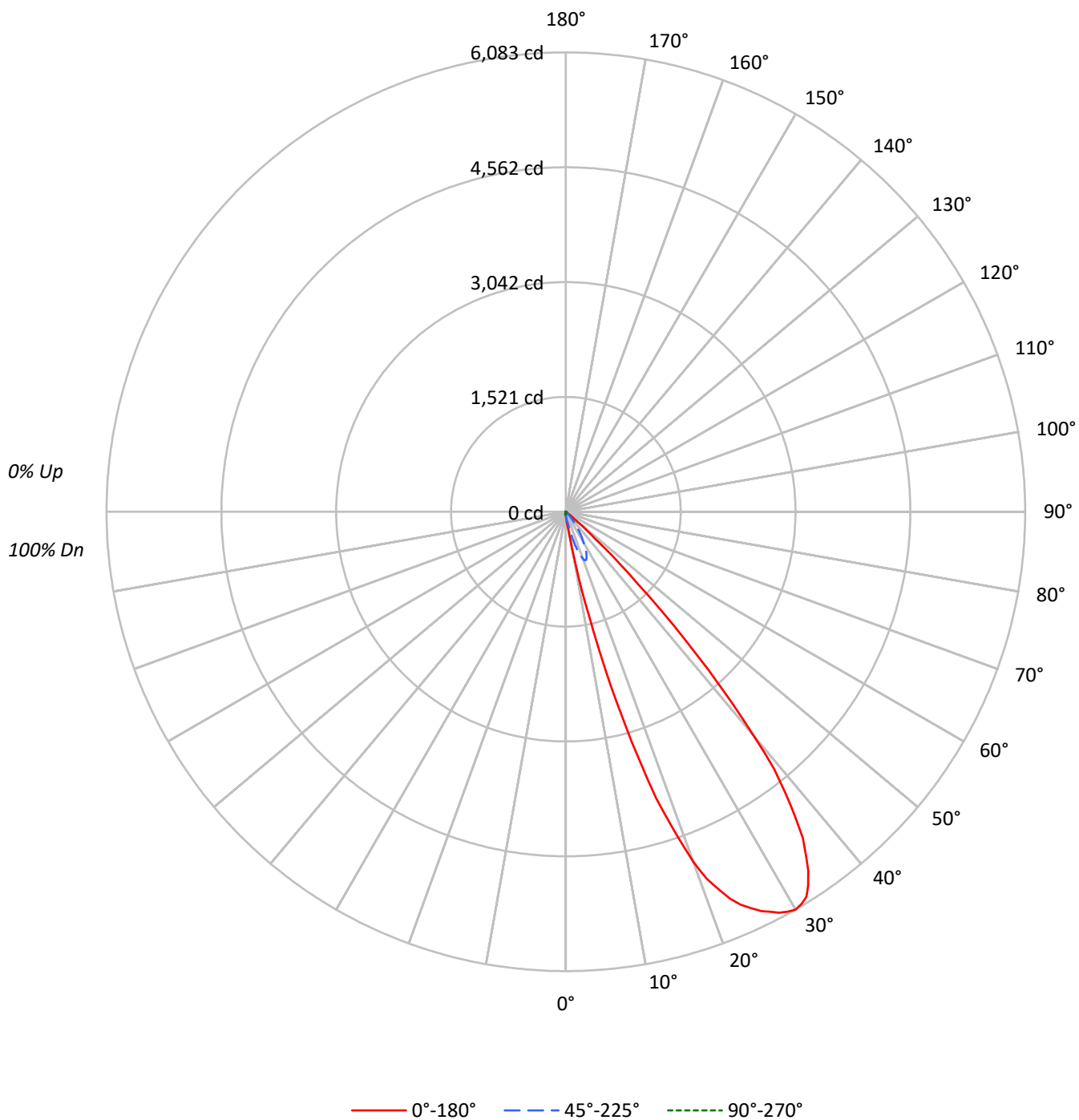
Lumens per Lamp: N/A  
Luminaire Lumens: 1217.0 lumens  
Efficiency: N/A  
Efficacy: 57.4 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1306054

CATALOG NUMBER: P3SQASS17R259024DE010 E3SQCA301MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1306054

CATALOG NUMBER: P3SQASS17R259024DE010 E3SQCA301MW

**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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  |  | 99  | 98  | 96  |  | 96  |
| 2   | 106 | 100 | 95  | 92  | 104 | 98  | 94  | 90  | 95  | 92  | 88  |  | 92  | 89  | 87  |  | 89  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  |  | 85  | 81  | 78  |  | 83  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  |  | 78  | 74  | 70  |  | 76  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  |  | 72  | 67  | 63  |  | 71  |
| 6   | 81  | 71  | 63  | 58  | 79  | 70  | 63  | 58  | 68  | 62  | 58  |  | 67  | 61  | 57  |  | 65  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  |  | 61  | 56  | 52  |  | 60  |
| 8   | 71  | 60  | 52  | 48  | 70  | 59  | 52  | 47  | 58  | 52  | 47  |  | 57  | 51  | 47  |  | 56  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  |  | 52  | 47  | 43  |  | 51  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  |  | 48  | 43  | 39  |  | 48  |

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

|     | 0°      | 45°    | 90°  | 135° | 180° |
|-----|---------|--------|------|------|------|
| 0°  | 8990    | 8990   | 8990 | 8990 | 8990 |
| 5°  | 22578   | 16683  | 8437 | 4322 | 3337 |
| 10° | 98684   | 28400  | 6943 | 1994 | 1382 |
| 15° | 469280  | 76526  | 4868 | 802  | 606  |
| 20° | 903383  | 122575 | 3116 | 202  | 202  |
| 25° | 1100216 | 123631 | 1729 | 0    | 0    |
| 30° | 1209640 | 94620  | 676  | 0    | 0    |
| 35° | 1165704 | 60151  | 231  | 0    | 0    |
| 40° | 871000  | 26034  | 0    | 0    | 247  |
| 45° | 322473  | 6917   | 268  | 268  | 828  |
| 50° | 38019   | 911    | 616  | 616  | 1206 |
| 55° | 3753    | 0      | 691  | 1021 | 1711 |
| 60° | 379     | 0      | 1171 | 1550 | 1963 |
| 65° | 448     | 448    | 1834 | 2323 | 2771 |
| 70° | 554     | 554    | 2266 | 2266 | 3424 |
| 75° | 732     | 732    | 2262 | 2262 | 2994 |
| 80° | 0       | 1091   | 3372 | 2281 | 3372 |
| 85° | 0       | 2174   | 6719 | 2174 | 2174 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 322473 cd/sqm

TEST NUMBER: P1306054

CATALOG NUMBER: P3SQASS17R259024DE010 E3SQCA301MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 7.6    | 0.6       |
| 10°-20°   | 141.9  | 11.7      |
| 20°-30°   | 445.3  | 36.6      |
| 30°-40°   | 468.8  | 38.5      |
| 40°-50°   | 137.7  | 11.3      |
| 50°-60°   | 7.4    | 0.6       |
| 60°-70°   | 3.6    | 0.3       |
| 70°-80°   | 3.1    | 0.3       |
| 80°-90°   | 1.6    | 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°    | 594.8  | 48.9      |
| 0°-40°    | 1063.6 | 87.4      |
| 0°-60°    | 1208.7 | 99.3      |
| 0°-90°    | 1217.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1217.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 52   | 52  | 52  | 52   | 52   |      |
| 5°  | 131  | 96  | 49  | 25   | 19   | 23   |
| 15° | 2632 | 429 | 27  | 4    | 3    | 830  |
| 25° | 5790 | 651 | 9   | 0    | 0    | 2656 |
| 35° | 5544 | 286 | 1   | 0    | 0    | 3346 |
| 45° | 1324 | 28  | 1   | 1    | 3    | 1203 |
| 55° | 12   | 0   | 2   | 3    | 6    | 32   |
| 65° | 1    | 1   | 4   | 6    | 7    | 1    |
| 75° | 1    | 1   | 3   | 3    | 4    | 1    |
| 85° | 0    | 1   | 3   | 1    | 1    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1306054

CATALOG NUMBER: P3SQASS17R259024DE010 E3SQCA301MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 45°   | 67.5° | 90°  | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0°    | 52.2   | 52.2   | 52.2   | 52.2   | 52.2   | 52.2   | 52.2   | 52.2  | 52.2  | 52.2 | 52.2   |
| 2.5°  | 80.6   | 81.8   | 78.3   | 80.6   | 78.3   | 77.2   | 76.1   | 70.4  | 61.3  | 52.2 | 43.1   |
| 5°    | 130.6  | 130.6  | 124.9  | 123.8  | 121.5  | 117.0  | 112.4  | 96.5  | 69.3  | 48.8 | 34.1   |
| 7.5°  | 204.4  | 203.3  | 201.0  | 195.3  | 183.9  | 172.6  | 161.2  | 126.0 | 76.1  | 45.4 | 26.1   |
| 10°   | 564.3  | 556.4  | 546.2  | 484.8  | 415.6  | 354.3  | 300.9  | 162.4 | 81.8  | 39.7 | 19.3   |
| 12.5° | 1402.3 | 1356.9 | 1249.0 | 1126.4 | 969.7  | 805.1  | 643.8  | 264.6 | 84.0  | 32.9 | 13.6   |
| 15°   | 2632.0 | 2537.8 | 2369.7 | 2124.5 | 1804.3 | 1444.3 | 1137.7 | 429.2 | 81.8  | 27.3 | 10.2   |
| 17.5° | 3974.2 | 3883.3 | 3650.6 | 3278.1 | 2806.9 | 2253.9 | 1711.2 | 568.9 | 76.1  | 22.7 | 6.8    |
| 20°   | 4929.1 | 4832.6 | 4614.6 | 4219.4 | 3709.6 | 2972.7 | 2252.8 | 668.8 | 71.5  | 17.0 | 3.4    |
| 21°   | 5208.4 | 5111.9 | 4881.4 | 4499.9 | 3963.9 | 3224.8 | 2426.5 | 685.8 | 68.1  | 14.8 | 2.3    |
| 22°   | 5385.6 | 5328.8 | 5081.3 | 4711.1 | 4164.9 | 3426.9 | 2575.3 | 693.8 | 65.9  | 13.6 | 2.3    |
| 23°   | 5563.8 | 5478.7 | 5247.0 | 4856.4 | 4318.2 | 3576.8 | 2685.4 | 688.1 | 63.6  | 11.4 | 1.1    |
| 24°   | 5695.5 | 5624.0 | 5354.9 | 4968.8 | 4425.0 | 3668.7 | 2750.1 | 673.3 | 60.2  | 10.2 | 1.1    |
| 25°   | 5789.8 | 5723.9 | 5443.5 | 5044.9 | 4496.5 | 3718.7 | 2770.6 | 650.6 | 56.8  | 9.1  | 1.1    |
| 26°   | 5879.5 | 5808.0 | 5517.3 | 5089.2 | 4534.0 | 3734.6 | 2751.3 | 625.6 | 53.4  | 7.9  | 0.0    |
| 27°   | 5944.2 | 5871.5 | 5568.4 | 5115.3 | 4536.2 | 3715.3 | 2699.0 | 591.6 | 50.0  | 6.8  | 0.0    |
| 28°   | 6013.5 | 5929.5 | 5603.6 | 5130.1 | 4522.6 | 3669.9 | 2624.1 | 555.2 | 47.7  | 5.7  | 0.0    |
| 29°   | 6055.5 | 5976.0 | 5639.9 | 5146.0 | 4494.2 | 3593.8 | 2515.1 | 512.1 | 42.0  | 3.4  | 0.0    |
| 30°   | 6082.7 | 5988.5 | 5636.5 | 5128.9 | 4456.7 | 3512.0 | 2384.5 | 475.8 | 36.3  | 3.4  | 0.0    |
| 31°   | 6060.0 | 5961.3 | 5600.2 | 5081.3 | 4396.6 | 3405.3 | 2250.5 | 430.3 | 29.5  | 2.3  | 0.0    |
| 32°   | 6011.2 | 5894.3 | 5536.6 | 4998.4 | 4288.7 | 3267.9 | 2112.0 | 392.9 | 21.6  | 2.3  | 0.0    |
| 33°   | 5892.0 | 5793.2 | 5421.9 | 4887.1 | 4147.9 | 3081.7 | 1931.4 | 356.5 | 14.8  | 1.1  | 0.0    |
| 34°   | 5742.1 | 5643.3 | 5265.2 | 4738.3 | 3959.4 | 2841.0 | 1712.3 | 319.1 | 12.5  | 1.1  | 0.0    |
| 35°   | 5544.5 | 5446.9 | 5088.1 | 4530.6 | 3709.6 | 2551.4 | 1486.3 | 286.1 | 10.2  | 1.1  | 0.0    |
| 36°   | 5336.7 | 5207.3 | 4864.4 | 4309.1 | 3374.6 | 2222.1 | 1244.5 | 248.7 | 7.9   | 1.1  | 0.0    |
| 37°   | 5031.3 | 4943.9 | 4563.5 | 3971.9 | 3012.4 | 1906.5 | 1068.5 | 214.6 | 5.7   | 1.1  | 0.0    |
| 38°   | 4714.5 | 4633.9 | 4262.6 | 3632.4 | 2608.2 | 1594.2 | 894.8  | 181.7 | 4.5   | 0.0  | 0.0    |
| 39°   | 4387.5 | 4253.5 | 3886.7 | 3197.5 | 2184.7 | 1335.3 | 752.8  | 152.2 | 2.3   | 0.0  | 0.0    |
| 40°   | 3874.2 | 3772.1 | 3380.3 | 2675.2 | 1807.7 | 1082.1 | 641.5  | 115.8 | 2.3   | 0.0  | 0.0    |
| 42.5° | 2568.4 | 2473.1 | 2062.0 | 1451.1 | 960.6  | 632.5  | 423.5  | 45.4  | 0.0   | 1.1  | 0.0    |
| 45°   | 1324.0 | 1263.8 | 1026.5 | 759.6  | 545.0  | 388.3  | 272.5  | 28.4  | 0.0   | 1.1  | 1.1    |
| 47.5° | 525.7  | 515.5  | 465.5  | 402.0  | 310.0  | 230.5  | 148.7  | 12.5  | 0.0   | 1.1  | 1.1    |
| 50°   | 141.9  | 143.1  | 134.0  | 123.8  | 112.4  | 105.6  | 62.5   | 3.4   | 0.0   | 2.3  | 1.1    |
| 52.5° | 60.2   | 61.3   | 59.0   | 55.6   | 50.0   | 37.5   | 25.0   | 1.1   | 1.1   | 2.3  | 2.3    |
| 55°   | 12.5   | 13.6   | 14.8   | 15.9   | 18.2   | 15.9   | 10.2   | 0.0   | 1.1   | 2.3  | 2.3    |
| 57.5° | 2.3    | 2.3    | 2.3    | 2.3    | 3.4    | 3.4    | 2.3    | 0.0   | 1.1   | 2.3  | 3.4    |
| 60°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 0.0    | 0.0    | 0.0   | 2.3   | 3.4  | 3.4    |
| 62.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1   | 2.3   | 3.4  | 4.5    |
| 65°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1   | 2.3   | 4.5  | 4.5    |
| 67.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1   | 3.4   | 4.5  | 4.5    |
| 70°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1   | 3.4   | 4.5  | 4.5    |
| 72.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1   | 3.4   | 4.5  | 3.4    |
| 75°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1   | 3.4   | 3.4  | 3.4    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1   | 2.3   | 3.4  | 3.4    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 1.1   | 2.3   | 3.4  | 2.3    |



TEST NUMBER: P1306054

CATALOG NUMBER: P3SQASS17R259024DE010 E3SQCA301MW

**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 | 1.1 | 1.1 | 2.3   | 3.4 | 2.3    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 2.3   | 3.4 | 2.3    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 2.3   | 3.4 | 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    |

TEST NUMBER: P1306054

CATALOG NUMBER: P3SQASS17R259024DE010 E3SQCA301MW

**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 52.2 | 52.2   | 52.2 |
| 2.5°  | 36.3 | 32.9   | 31.8 |
| 5°    | 25.0 | 21.6   | 19.3 |
| 7.5°  | 17.0 | 13.6   | 12.5 |
| 10°   | 11.4 | 9.1    | 7.9  |
| 12.5° | 7.9  | 4.5    | 4.5  |
| 15°   | 4.5  | 3.4    | 3.4  |
| 17.5° | 2.3  | 1.1    | 1.1  |
| 20°   | 1.1  | 1.1    | 1.1  |
| 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    | 1.1  |
| 39°   | 0.0  | 1.1    | 1.1  |
| 40°   | 0.0  | 1.1    | 1.1  |
| 42.5° | 0.0  | 1.1    | 2.3  |
| 45°   | 1.1  | 2.3    | 3.4  |
| 47.5° | 2.3  | 3.4    | 4.5  |
| 50°   | 2.3  | 4.5    | 4.5  |
| 52.5° | 3.4  | 4.5    | 5.7  |
| 55°   | 3.4  | 5.7    | 5.7  |
| 57.5° | 4.5  | 5.7    | 6.8  |
| 60°   | 4.5  | 5.7    | 5.7  |
| 62.5° | 4.5  | 6.8    | 6.8  |
| 65°   | 5.7  | 6.8    | 6.8  |
| 67.5° | 5.7  | 6.8    | 6.8  |
| 70°   | 4.5  | 5.7    | 6.8  |
| 72.5° | 4.5  | 5.7    | 5.7  |
| 75°   | 3.4  | 4.5    | 4.5  |
| 77.5° | 3.4  | 3.4    | 4.5  |
| 80°   | 2.3  | 3.4    | 3.4  |

TEST NUMBER: P1306054

CATALOG NUMBER: P3SQASS17R259024DE010 E3SQCA301MW

**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 2.3  | 2.3    | 2.3  |
| 85°   | 1.1  | 1.1    | 1.1  |
| 87.5° | 1.1  | 1.1    | 1.1  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)