

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: P1313360

Luminaire Tested: P3SQAS13R159730DE010 E3SQCA451MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-73)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R159730DE010 E3SQCA451MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQCA451MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

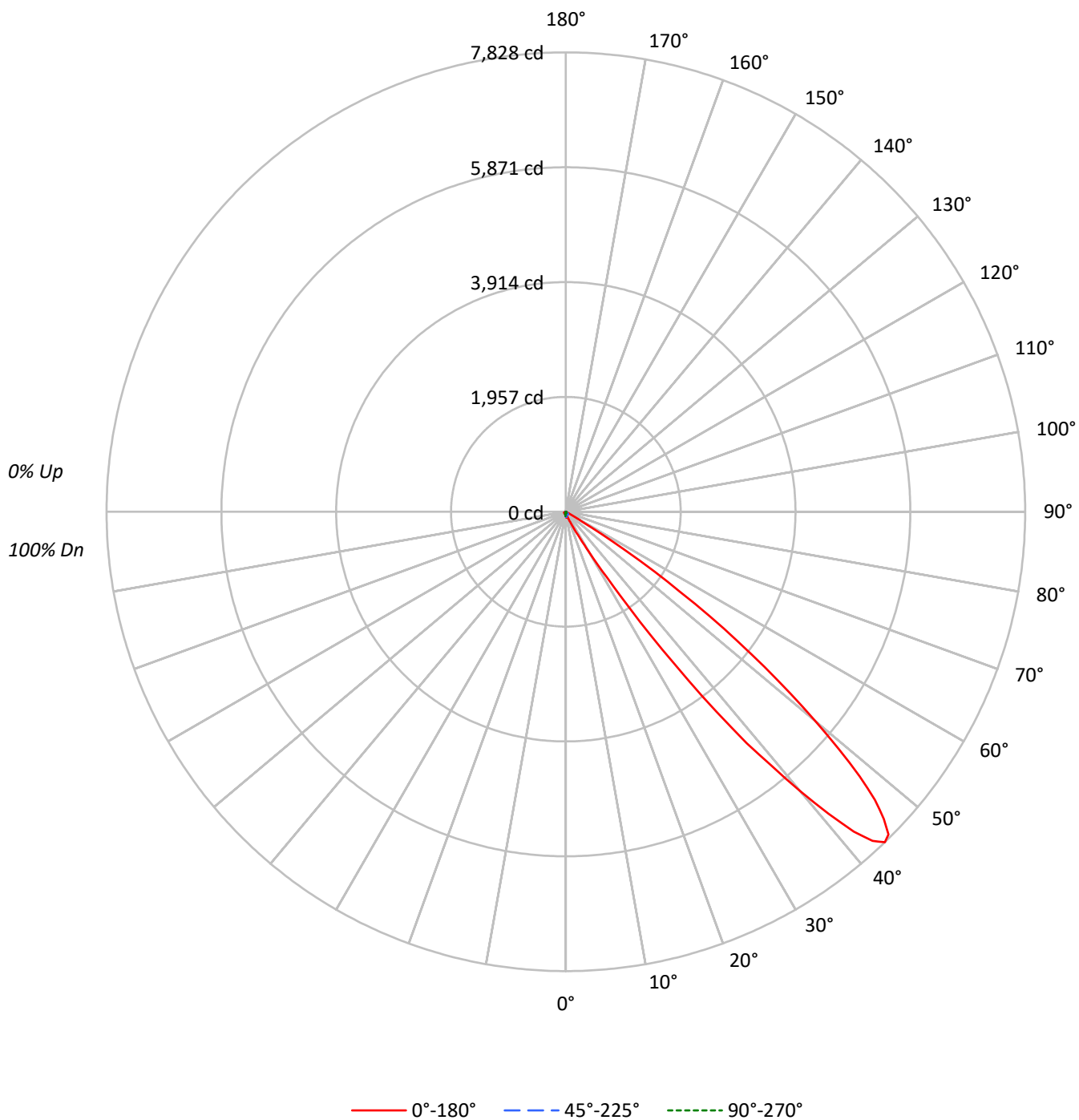
Lumens per Lamp: N/A  
Luminaire Lumens: 874.0 lumens  
Efficiency: N/A  
Efficacy: 59.9 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1313360

CATALOG NUMBER: P3SQAS13R159730DE010 E3SQCA451MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1313360

CATALOG NUMBER: P3SQAS13R159730DE010 E3SQCA451MB

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |    |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |    | 0  |
| 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   | 110 | 106 | 102 | 99  | 107 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  |    |    |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 73  |    |    |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  |    |    |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 50  |    |    |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 55  | 49  | 44  | 42  |    |    |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  | 29  |    |    |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 26  | 24  |    |    |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  | 20  |    |    |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  | 31  | 24  | 19  | 30  | 23  | 19  | 17  |    |    |

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

|     | 0°      | 45°   | 90°   | 135°  | 180°  |
|-----|---------|-------|-------|-------|-------|
| 0°  | 13364   | 13364 | 13364 | 13364 | 13364 |
| 5°  | 16579   | 14764 | 12050 | 10546 | 10390 |
| 10° | 16299   | 12644 | 9304  | 8237  | 8377  |
| 15° | 13515   | 9004  | 6686  | 6829  | 7310  |
| 20° | 23478   | 7184  | 5113  | 5901  | 6708  |
| 25° | 52333   | 8608  | 4143  | 5473  | 6290  |
| 30° | 156487  | 10580 | 3639  | 5369  | 6582  |
| 35° | 602436  | 11900 | 3301  | 5487  | 6959  |
| 40° | 1398295 | 10387 | 3125  | 5688  | 7442  |
| 45° | 1893919 | 7843  | 2752  | 6162  | 8062  |
| 50° | 1485007 | 4662  | 2813  | 6538  | 8869  |
| 55° | 712790  | 2102  | 2612  | 7056  | 9668  |
| 60° | 65135   | 310   | 2411  | 7509  | 10816 |
| 65° | 7091    | 0     | 2119  | 7824  | 11736 |
| 70° | 1762    | 0     | 2618  | 8359  | 12740 |
| 75° | 1730    | 599   | 3460  | 9249  | 14506 |
| 80° | 1686    | 1686  | 4364  | 9521  | 15571 |
| 85° | 1778    | 1778  | 6916  | 8695  | 17191 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1893919 cd/sqm

TEST NUMBER: P1313360

CATALOG NUMBER: P3SQAS13R159730DE010 E3SQCA451MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 6.6    | 0.8       |
| 10°-20°   | 13.8   | 1.6       |
| 20°-30°   | 33.0   | 3.8       |
| 30°-40°   | 180.8  | 20.7      |
| 40°-50°   | 437.8  | 50.1      |
| 50°-60°   | 174.6  | 20.0      |
| 60°-70°   | 15.1   | 1.7       |
| 70°-80°   | 8.5    | 1.0       |
| 80°-90°   | 3.8    | 0.4       |
| 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°    | 53.4   | 6.1       |
| 0°-40°    | 234.2  | 26.8      |
| 0°-60°    | 846.6  | 96.9      |
| 0°-90°    | 874.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 874.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 78   | 78  | 78  | 78   | 78   |      |
| 5°  | 96   | 85  | 70  | 61   | 60   | 9    |
| 15° | 76   | 50  | 38  | 38   | 41   | 26   |
| 25° | 275  | 45  | 22  | 29   | 33   | 166  |
| 35° | 2865 | 57  | 16  | 26   | 33   | 2025 |
| 45° | 7776 | 32  | 11  | 25   | 33   | 5485 |
| 55° | 2374 | 7   | 9   | 24   | 32   | 2211 |
| 65° | 17   | 0   | 5   | 19   | 29   | 45   |
| 75° | 3    | 1   | 5   | 14   | 22   | 3    |
| 85° | 1    | 1   | 4   | 4    | 9    | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1313360

CATALOG NUMBER: P3SQAS13R159730DE010 E3SQCA451MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0°    | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6  | 77.6 |
| 2.5°  | 87.1   | 87.1   | 88.0   | 87.1   | 87.1   | 87.1   | 87.1   | 86.3   | 86.3   | 86.3  | 83.7 |
| 5°    | 95.9   | 95.9   | 95.9   | 95.9   | 95.0   | 95.0   | 95.0   | 94.1   | 94.1   | 93.2  | 85.4 |
| 7.5°  | 99.3   | 99.3   | 98.5   | 98.5   | 97.6   | 97.6   | 96.7   | 95.9   | 95.0   | 94.1  | 81.9 |
| 10°   | 93.2   | 93.2   | 93.2   | 92.4   | 92.4   | 91.5   | 90.6   | 89.8   | 88.9   | 87.1  | 72.3 |
| 12.5° | 82.8   | 82.8   | 83.7   | 82.8   | 81.9   | 81.0   | 79.3   | 78.4   | 77.6   | 75.8  | 60.1 |
| 15°   | 75.8   | 75.8   | 75.8   | 74.9   | 74.1   | 72.3   | 71.5   | 69.7   | 68.8   | 66.2  | 50.5 |
| 17.5° | 96.7   | 96.7   | 95.9   | 94.1   | 90.6   | 88.0   | 83.7   | 80.2   | 75.8   | 70.6  | 43.6 |
| 20°   | 128.1  | 128.1  | 126.4  | 124.6  | 120.3  | 115.9  | 108.9  | 102.8  | 95.9   | 89.8  | 39.2 |
| 22.5° | 185.6  | 188.2  | 183.0  | 176.9  | 170.8  | 160.3  | 150.8  | 141.2  | 129.0  | 118.5 | 40.1 |
| 25°   | 275.4  | 278.0  | 275.4  | 261.4  | 250.1  | 236.2  | 217.9  | 198.7  | 177.8  | 158.6 | 45.3 |
| 27.5° | 446.2  | 447.9  | 443.6  | 409.6  | 391.3  | 354.7  | 322.4  | 291.1  | 256.2  | 221.4 | 49.7 |
| 30°   | 786.9  | 787.8  | 759.9  | 691.9  | 631.8  | 551.6  | 483.7  | 418.3  | 363.4  | 307.6 | 53.2 |
| 31°   | 1036.2 | 1011.8 | 952.5  | 870.6  | 774.7  | 666.7  | 573.4  | 488.9  | 407.0  | 346.8 | 54.0 |
| 32°   | 1315.9 | 1312.4 | 1213.9 | 1071.9 | 943.8  | 808.7  | 668.4  | 560.3  | 466.2  | 384.3 | 54.9 |
| 33°   | 1686.3 | 1688.0 | 1532.9 | 1365.6 | 1155.6 | 974.3  | 790.4  | 642.3  | 529.0  | 428.8 | 56.6 |
| 34°   | 2264.9 | 2129.0 | 1946.8 | 1720.3 | 1434.4 | 1161.7 | 922.9  | 737.3  | 585.6  | 471.5 | 56.6 |
| 35°   | 2865.4 | 2728.5 | 2528.1 | 2184.8 | 1792.6 | 1410.9 | 1080.6 | 839.2  | 653.6  | 517.6 | 56.6 |
| 36°   | 3538.1 | 3422.2 | 3119.0 | 2680.6 | 2180.4 | 1646.2 | 1247.9 | 956.9  | 720.7  | 559.5 | 55.8 |
| 37°   | 4264.9 | 4095.0 | 3758.6 | 3280.2 | 2610.9 | 1977.3 | 1451.9 | 1073.6 | 787.8  | 604.8 | 54.0 |
| 38°   | 5003.1 | 4849.7 | 4425.3 | 3845.8 | 3125.1 | 2326.8 | 1655.8 | 1186.1 | 849.7  | 638.8 | 51.4 |
| 39°   | 5562.5 | 5478.9 | 5058.0 | 4410.5 | 3535.5 | 2658.0 | 1865.8 | 1306.3 | 915.0  | 672.8 | 48.8 |
| 40°   | 6219.6 | 6084.5 | 5685.4 | 4884.5 | 4020.9 | 2995.2 | 2071.5 | 1412.6 | 969.1  | 699.8 | 46.2 |
| 41°   | 6819.2 | 6648.4 | 6144.7 | 5370.8 | 4409.6 | 3298.5 | 2266.7 | 1522.4 | 1012.6 | 715.5 | 44.4 |
| 42°   | 7333.3 | 7134.6 | 6608.3 | 5787.4 | 4734.6 | 3540.7 | 2422.7 | 1600.9 | 1053.6 | 728.5 | 41.8 |
| 43°   | 7666.2 | 7494.6 | 6976.9 | 6100.2 | 5012.6 | 3763.0 | 2568.2 | 1682.8 | 1078.9 | 737.3 | 38.3 |
| 44°   | 7828.3 | 7654.9 | 7153.8 | 6296.3 | 5183.4 | 3896.3 | 2662.3 | 1739.4 | 1106.8 | 748.6 | 35.7 |
| 45°   | 7776.0 | 7600.0 | 7115.5 | 6299.8 | 5236.6 | 3944.2 | 2702.4 | 1764.7 | 1121.6 | 759.0 | 32.2 |
| 46°   | 7536.4 | 7412.6 | 6924.6 | 6136.0 | 5135.5 | 3892.8 | 2679.7 | 1745.5 | 1116.3 | 759.0 | 28.8 |
| 47°   | 7200.0 | 7058.8 | 6594.3 | 5854.5 | 4890.6 | 3760.4 | 2588.2 | 1687.1 | 1084.1 | 741.6 | 25.3 |
| 48°   | 6741.6 | 6621.4 | 6133.3 | 5407.4 | 4515.0 | 3471.9 | 2381.7 | 1592.2 | 1033.6 | 707.6 | 21.8 |
| 49°   | 6166.5 | 5999.1 | 5545.1 | 4835.7 | 4025.3 | 3062.3 | 2110.7 | 1431.8 | 952.5  | 659.7 | 19.2 |
| 50°   | 5542.5 | 5336.0 | 4985.6 | 4263.2 | 3519.0 | 2625.7 | 1754.2 | 1210.5 | 838.3  | 597.0 | 17.4 |
| 51°   | 4931.6 | 4721.6 | 4387.8 | 3773.4 | 2978.7 | 2178.7 | 1415.3 | 966.4  | 690.2  | 510.7 | 14.8 |
| 52°   | 4298.0 | 4122.0 | 3748.2 | 3265.4 | 2549.9 | 1765.6 | 1179.1 | 817.4  | 573.4  | 428.8 | 12.2 |
| 53°   | 3667.1 | 3546.8 | 3191.3 | 2702.4 | 2048.8 | 1442.3 | 963.0  | 699.8  | 500.2  | 366.9 | 9.6  |
| 54°   | 3035.3 | 2903.7 | 2633.6 | 2197.8 | 1651.4 | 1138.1 | 816.6  | 585.6  | 434.0  | 319.8 | 8.7  |
| 55°   | 2373.9 | 2305.9 | 2056.6 | 1675.8 | 1251.4 | 908.1  | 662.3  | 503.7  | 363.4  | 267.5 | 7.0  |
| 56°   | 1828.3 | 1751.6 | 1524.2 | 1215.7 | 929.8  | 711.1  | 535.9  | 411.3  | 307.6  | 224.0 | 5.2  |
| 57°   | 1197.4 | 1119.0 | 968.2  | 848.8  | 677.1  | 518.5  | 409.6  | 324.2  | 250.1  | 185.6 | 4.4  |
| 58°   | 707.6  | 636.2  | 612.6  | 522.9  | 451.4  | 352.1  | 302.4  | 241.4  | 184.7  | 146.4 | 2.6  |
| 59°   | 325.1  | 330.3  | 293.7  | 275.4  | 250.1  | 224.0  | 183.9  | 161.2  | 126.4  | 105.4 | 1.7  |
| 60°   | 189.1  | 178.6  | 174.3  | 156.0  | 138.6  | 122.9  | 110.7  | 97.6   | 79.3   | 68.0  | 0.9  |
| 62.5° | 64.5   | 61.9   | 63.6   | 57.5   | 54.0   | 52.3   | 47.9   | 41.0   | 34.0   | 27.9  | 0.0  |
| 65°   | 17.4   | 17.4   | 16.6   | 15.7   | 14.8   | 13.9   | 13.1   | 11.3   | 10.5   | 8.7   | 0.0  |



TEST NUMBER: P1313360

CATALOG NUMBER: P3SQAS13R159730DE010 E3SQCA451MB

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 6.1 | 6.1  | 5.2 | 5.2  | 4.4 | 4.4   | 3.5 | 3.5   | 2.6 | 2.6   | 0.0 |
| 70°   | 3.5 | 3.5  | 3.5 | 2.6  | 2.6 | 2.6   | 1.7 | 1.7   | 1.7 | 0.9   | 0.0 |
| 72.5° | 2.6 | 2.6  | 2.6 | 2.6  | 2.6 | 2.6   | 1.7 | 1.7   | 1.7 | 0.9   | 0.9 |
| 75°   | 2.6 | 2.6  | 2.6 | 1.7  | 1.7 | 1.7   | 1.7 | 1.7   | 1.7 | 1.7   | 0.9 |
| 77.5° | 1.7 | 1.7  | 1.7 | 1.7  | 1.7 | 1.7   | 1.7 | 1.7   | 1.7 | 1.7   | 1.7 |
| 80°   | 1.7 | 1.7  | 1.7 | 1.7  | 1.7 | 1.7   | 1.7 | 1.7   | 1.7 | 0.9   | 1.7 |
| 82.5° | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 1.7 |
| 85°   | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 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 |

TEST NUMBER: P1313360

CATALOG NUMBER: P3SQAS13R159730DE010 E3SQCA451MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 77.6  | 77.6 | 77.6   | 77.6 | 77.6   | 77.6 |
| 2.5°  | 80.2  | 76.7 | 72.3   | 69.7 | 68.8   | 68.0 |
| 5°    | 76.7  | 69.7 | 64.5   | 61.0 | 60.1   | 60.1 |
| 7.5°  | 68.8  | 61.0 | 55.8   | 54.0 | 53.2   | 53.2 |
| 10°   | 60.1  | 53.2 | 48.8   | 47.1 | 47.9   | 47.9 |
| 12.5° | 50.5  | 44.4 | 42.7   | 42.7 | 43.6   | 44.4 |
| 15°   | 41.0  | 37.5 | 37.5   | 38.3 | 40.1   | 41.0 |
| 17.5° | 34.0  | 32.2 | 33.1   | 34.9 | 36.6   | 38.3 |
| 20°   | 27.9  | 27.9 | 29.6   | 32.2 | 34.9   | 36.6 |
| 22.5° | 23.5  | 24.4 | 27.0   | 29.6 | 33.1   | 34.9 |
| 25°   | 20.0  | 21.8 | 24.4   | 28.8 | 32.2   | 33.1 |
| 27.5° | 17.4  | 20.0 | 23.5   | 27.9 | 31.4   | 33.1 |
| 30°   | 14.8  | 18.3 | 22.7   | 27.0 | 31.4   | 33.1 |
| 31°   | 13.9  | 17.4 | 21.8   | 27.0 | 31.4   | 33.1 |
| 32°   | 13.1  | 17.4 | 21.8   | 27.0 | 31.4   | 33.1 |
| 33°   | 12.2  | 16.6 | 21.8   | 26.1 | 31.4   | 33.1 |
| 34°   | 11.3  | 16.6 | 21.8   | 27.0 | 31.4   | 33.1 |
| 35°   | 10.5  | 15.7 | 20.9   | 26.1 | 30.5   | 33.1 |
| 36°   | 9.6   | 15.7 | 20.9   | 26.1 | 31.4   | 33.1 |
| 37°   | 8.7   | 15.7 | 20.9   | 26.1 | 30.5   | 33.1 |
| 38°   | 8.7   | 14.8 | 20.0   | 26.1 | 30.5   | 33.1 |
| 39°   | 7.8   | 13.9 | 20.0   | 26.1 | 30.5   | 33.1 |
| 40°   | 7.0   | 13.9 | 19.2   | 25.3 | 30.5   | 33.1 |
| 41°   | 6.1   | 13.1 | 19.2   | 25.3 | 30.5   | 33.1 |
| 42°   | 5.2   | 13.1 | 19.2   | 25.3 | 30.5   | 33.1 |
| 43°   | 4.4   | 12.2 | 18.3   | 25.3 | 30.5   | 33.1 |
| 44°   | 4.4   | 12.2 | 18.3   | 25.3 | 30.5   | 33.1 |
| 45°   | 3.5   | 11.3 | 17.4   | 25.3 | 30.5   | 33.1 |
| 46°   | 3.5   | 11.3 | 17.4   | 24.4 | 30.5   | 33.1 |
| 47°   | 2.6   | 11.3 | 17.4   | 24.4 | 30.5   | 33.1 |
| 48°   | 2.6   | 10.5 | 17.4   | 24.4 | 30.5   | 33.1 |
| 49°   | 1.7   | 10.5 | 17.4   | 24.4 | 30.5   | 33.1 |
| 50°   | 1.7   | 10.5 | 16.6   | 24.4 | 30.5   | 33.1 |
| 51°   | 1.7   | 10.5 | 16.6   | 24.4 | 30.5   | 33.1 |
| 52°   | 1.7   | 9.6  | 16.6   | 24.4 | 30.5   | 33.1 |
| 53°   | 1.7   | 9.6  | 16.6   | 24.4 | 30.5   | 33.1 |
| 54°   | 1.7   | 9.6  | 15.7   | 24.4 | 30.5   | 33.1 |
| 55°   | 1.7   | 8.7  | 15.7   | 23.5 | 30.5   | 32.2 |
| 56°   | 1.7   | 8.7  | 15.7   | 23.5 | 30.5   | 32.2 |
| 57°   | 1.7   | 8.7  | 14.8   | 23.5 | 30.5   | 32.2 |
| 58°   | 1.7   | 7.8  | 14.8   | 22.7 | 29.6   | 32.2 |
| 59°   | 1.7   | 7.8  | 13.9   | 22.7 | 29.6   | 31.4 |
| 60°   | 1.7   | 7.0  | 13.9   | 21.8 | 28.8   | 31.4 |
| 62.5° | 1.7   | 6.1  | 12.2   | 20.9 | 27.9   | 29.6 |
| 65°   | 1.7   | 5.2  | 11.3   | 19.2 | 27.0   | 28.8 |



TEST NUMBER: P1313360

CATALOG NUMBER: P3SQAS13R159730DE010 E3SQCA451MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.7   | 5.2 | 10.5   | 18.3 | 25.3   | 27.9 |
| 70°   | 1.7   | 5.2 | 9.6    | 16.6 | 24.4   | 25.3 |
| 72.5° | 2.6   | 5.2 | 8.7    | 15.7 | 22.7   | 23.5 |
| 75°   | 3.5   | 5.2 | 7.8    | 13.9 | 20.9   | 21.8 |
| 77.5° | 3.5   | 5.2 | 7.0    | 12.2 | 18.3   | 19.2 |
| 80°   | 3.5   | 4.4 | 6.1    | 9.6  | 14.8   | 15.7 |
| 82.5° | 3.5   | 4.4 | 4.4    | 7.8  | 11.3   | 12.2 |
| 85°   | 2.6   | 3.5 | 3.5    | 4.4  | 7.8    | 8.7  |
| 87.5° | 2.6   | 3.5 | 1.7    | 2.6  | 3.5    | 3.5  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)