

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: P1314334

Luminaire Tested: P3SQAS13R159735DE010 E3SQCA451MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314334  
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: P3SQAS13R159735DE010 E3SQCA451MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQCA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

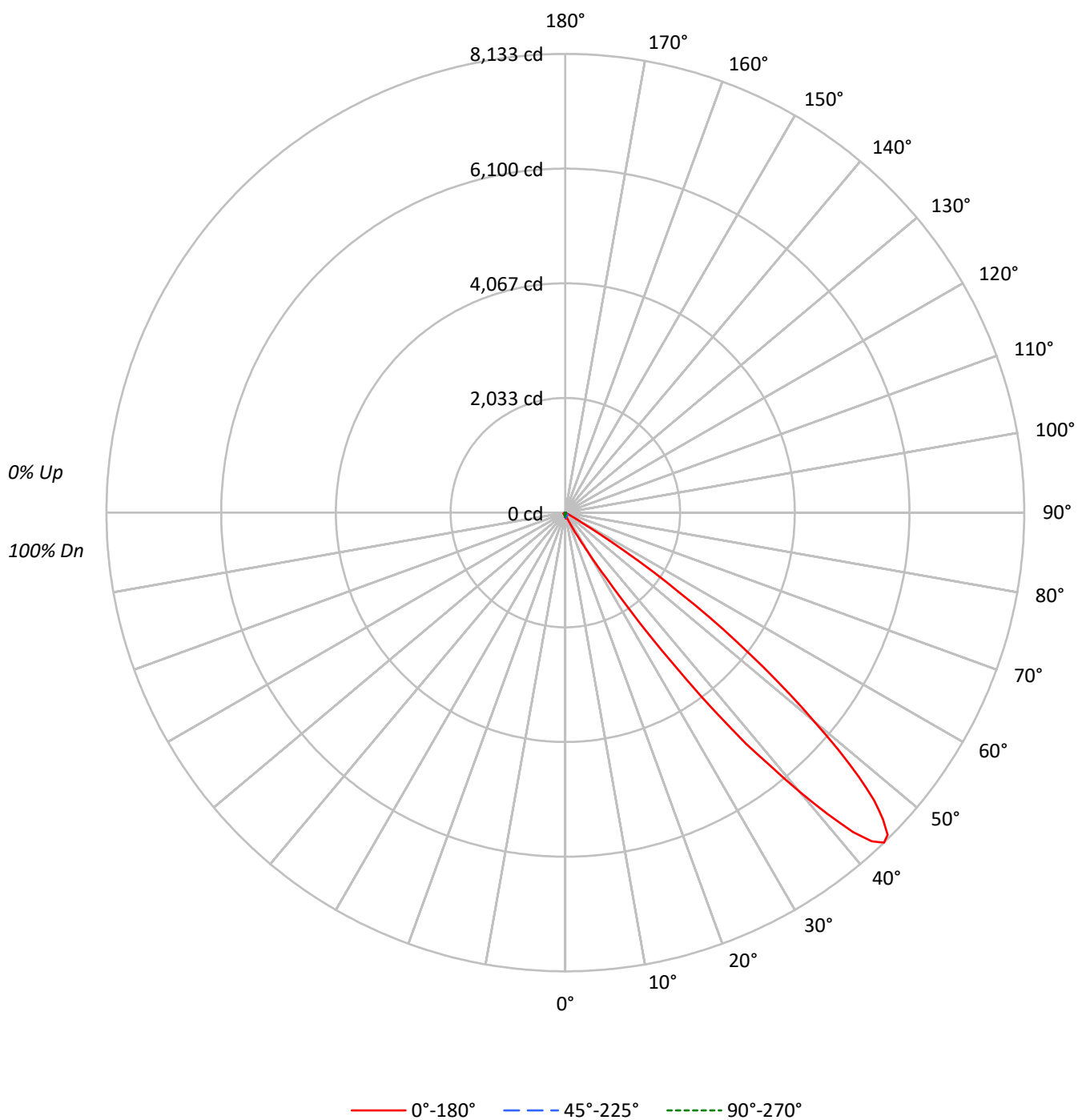
Lumens per Lamp: N/A  
Luminaire Lumens: 908.0 lumens  
Efficiency: N/A  
Efficacy: 62.2 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1314334

CATALOG NUMBER: P3SQAS13R159735DE010 E3SQCA451MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1314334

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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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 |
| 1   | 110 | 106 | 102 | 99  | 107 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  | 64  | 58  | 53  | 62  | 57  | 53  |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 55  | 49  | 44  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 26  |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  | 31  | 24  | 19  | 30  | 23  | 19  |

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

|     | 0°      | 45°   | 90°   | 135°  | 180°  |
|-----|---------|-------|-------|-------|-------|
| 0°  | 13881   | 13881 | 13881 | 13881 | 13881 |
| 5°  | 17219   | 15335 | 12517 | 10961 | 10805 |
| 10° | 16946   | 13133 | 9653  | 8552  | 8709  |
| 15° | 14050   | 9361  | 6936  | 7096  | 7595  |
| 20° | 24394   | 7459  | 5315  | 6140  | 6964  |
| 25° | 54367   | 8950  | 4295  | 5682  | 6537  |
| 30° | 162573  | 10977 | 3778  | 5588  | 6841  |
| 35° | 625857  | 12362 | 3427  | 5719  | 7232  |
| 40° | 1452701 | 10791 | 3260  | 5913  | 7734  |
| 45° | 1967596 | 8159  | 2874  | 6406  | 8378  |
| 50° | 1542773 | 4850  | 2920  | 6805  | 9217  |
| 55° | 740504  | 2162  | 2732  | 7326  | 10059 |
| 60° | 67683   | 310   | 2480  | 7784  | 11229 |
| 65° | 7376    | 0     | 2201  | 8110  | 12185 |
| 70° | 1813    | 0     | 2719  | 8661  | 13243 |
| 75° | 1797    | 599   | 3593  | 9649  | 15038 |
| 80° | 1785    | 1785  | 4463  | 9918  | 16166 |
| 85° | 1778    | 1778  | 7114  | 8892  | 17982 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1967596 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 6.9    | 0.8       |
| 10°-20°   | 14.3   | 1.6       |
| 20°-30°   | 34.3   | 3.8       |
| 30°-40°   | 187.8  | 20.7      |
| 40°-50°   | 454.8  | 50.1      |
| 50°-60°   | 181.4  | 20.0      |
| 60°-70°   | 15.7   | 1.7       |
| 70°-80°   | 8.8    | 1.0       |
| 80°-90°   | 3.9    | 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°    | 55.5   | 6.1       |
| 0°-40°    | 243.3  | 26.8      |
| 0°-60°    | 879.6  | 96.9      |
| 0°-90°    | 908.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 908.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 81   | 81  | 81  | 81   | 81   |      |
| 5°  | 100  | 89  | 72  | 63   | 62   | 9    |
| 15° | 79   | 52  | 39  | 40   | 43   | 27   |
| 25° | 286  | 47  | 23  | 30   | 34   | 173  |
| 35° | 2977 | 59  | 16  | 27   | 34   | 2104 |
| 45° | 8078 | 34  | 12  | 26   | 34   | 5699 |
| 55° | 2466 | 7   | 9   | 24   | 34   | 2297 |
| 65° | 18   | 0   | 5   | 20   | 30   | 46   |
| 75° | 3    | 1   | 5   | 14   | 23   | 3    |
| 85° | 1    | 1   | 4   | 4    | 9    | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0°    | 80.6   | 80.6   | 80.6   | 80.6   | 80.6   | 80.6   | 80.6   | 80.6   | 80.6   | 80.6  | 80.6 |
| 2.5°  | 90.5   | 90.5   | 91.4   | 90.5   | 90.5   | 90.5   | 90.5   | 89.6   | 89.6   | 89.6  | 86.9 |
| 5°    | 99.6   | 99.6   | 99.6   | 99.6   | 98.7   | 98.7   | 98.7   | 97.8   | 97.8   | 96.9  | 88.7 |
| 7.5°  | 103.2  | 103.2  | 102.3  | 102.3  | 101.4  | 101.4  | 100.5  | 99.6   | 98.7   | 97.8  | 85.1 |
| 10°   | 96.9   | 96.9   | 96.9   | 96.0   | 96.0   | 95.1   | 94.2   | 93.3   | 92.3   | 90.5  | 75.1 |
| 12.5° | 86.0   | 86.0   | 86.9   | 86.0   | 85.1   | 84.2   | 82.4   | 81.5   | 80.6   | 78.8  | 62.5 |
| 15°   | 78.8   | 78.8   | 78.8   | 77.9   | 77.0   | 75.1   | 74.2   | 72.4   | 71.5   | 68.8  | 52.5 |
| 17.5° | 100.5  | 100.5  | 99.6   | 97.8   | 94.2   | 91.4   | 86.9   | 83.3   | 78.8   | 73.3  | 45.3 |
| 20°   | 133.1  | 133.1  | 131.3  | 129.5  | 124.9  | 120.4  | 113.2  | 106.8  | 99.6   | 93.3  | 40.7 |
| 22.5° | 192.8  | 195.6  | 190.1  | 183.8  | 177.5  | 166.6  | 156.6  | 146.7  | 134.0  | 123.1 | 41.6 |
| 25°   | 286.1  | 288.8  | 286.1  | 271.6  | 259.8  | 245.4  | 226.3  | 206.4  | 184.7  | 164.8 | 47.1 |
| 27.5° | 463.5  | 465.4  | 460.8  | 425.5  | 406.5  | 368.5  | 335.0  | 302.4  | 266.2  | 230.0 | 51.6 |
| 30°   | 817.5  | 818.4  | 789.5  | 718.9  | 656.4  | 573.1  | 502.5  | 434.6  | 377.5  | 319.6 | 55.2 |
| 31°   | 1076.5 | 1051.1 | 989.6  | 904.5  | 804.9  | 692.6  | 595.7  | 507.9  | 422.8  | 360.3 | 56.1 |
| 32°   | 1367.1 | 1363.5 | 1261.2 | 1113.6 | 980.5  | 840.2  | 694.4  | 582.1  | 484.4  | 399.3 | 57.0 |
| 33°   | 1751.9 | 1753.7 | 1592.5 | 1418.7 | 1200.5 | 1012.2 | 821.2  | 667.3  | 549.6  | 445.4 | 58.8 |
| 34°   | 2353.0 | 2211.8 | 2022.6 | 1787.2 | 1490.2 | 1206.8 | 958.8  | 765.9  | 608.4  | 489.8 | 58.8 |
| 35°   | 2976.8 | 2834.7 | 2626.5 | 2269.7 | 1862.3 | 1465.8 | 1122.6 | 871.9  | 679.0  | 537.8 | 58.8 |
| 36°   | 3675.8 | 3555.4 | 3240.3 | 2784.9 | 2265.2 | 1710.2 | 1296.5 | 994.1  | 748.7  | 581.2 | 57.9 |
| 37°   | 4430.8 | 4254.3 | 3904.8 | 3407.8 | 2712.5 | 2054.3 | 1508.3 | 1115.4 | 818.4  | 628.3 | 56.1 |
| 38°   | 5197.7 | 5038.3 | 4597.4 | 3995.4 | 3246.6 | 2417.3 | 1720.2 | 1232.2 | 882.7  | 663.6 | 53.4 |
| 39°   | 5778.9 | 5692.0 | 5254.7 | 4582.0 | 3673.1 | 2761.4 | 1938.4 | 1357.1 | 950.6  | 698.9 | 50.7 |
| 40°   | 6461.6 | 6321.2 | 5906.6 | 5074.6 | 4177.3 | 3111.7 | 2152.0 | 1467.6 | 1006.8 | 727.0 | 48.0 |
| 41°   | 7084.5 | 6907.0 | 6383.7 | 5579.7 | 4581.1 | 3426.8 | 2354.8 | 1581.7 | 1052.0 | 743.3 | 46.2 |
| 42°   | 7618.6 | 7412.2 | 6865.4 | 6012.5 | 4918.8 | 3678.5 | 2516.9 | 1663.1 | 1094.6 | 756.9 | 43.5 |
| 43°   | 7964.5 | 7786.1 | 7248.3 | 6337.5 | 5207.6 | 3909.4 | 2668.1 | 1748.3 | 1120.8 | 765.9 | 39.8 |
| 44°   | 8132.9 | 7952.7 | 7432.1 | 6541.2 | 5385.1 | 4047.9 | 2765.9 | 1807.1 | 1149.8 | 777.7 | 37.1 |
| 45°   | 8078.5 | 7895.7 | 7392.3 | 6544.9 | 5440.3 | 4097.7 | 2807.5 | 1833.4 | 1165.2 | 788.6 | 33.5 |
| 46°   | 7829.6 | 7701.0 | 7194.0 | 6374.6 | 5335.3 | 4044.2 | 2784.0 | 1813.4 | 1159.8 | 788.6 | 29.9 |
| 47°   | 7480.1 | 7333.4 | 6850.9 | 6082.2 | 5080.9 | 3906.6 | 2688.9 | 1752.8 | 1126.3 | 770.5 | 26.3 |
| 48°   | 7003.9 | 6878.9 | 6371.9 | 5617.8 | 4690.7 | 3607.0 | 2474.4 | 1654.1 | 1073.8 | 735.2 | 22.6 |
| 49°   | 6406.3 | 6232.5 | 5760.8 | 5023.9 | 4181.9 | 3181.4 | 2192.8 | 1487.5 | 989.6  | 685.4 | 19.9 |
| 50°   | 5758.1 | 5543.5 | 5179.6 | 4429.0 | 3655.8 | 2727.9 | 1822.5 | 1257.5 | 871.0  | 620.2 | 18.1 |
| 51°   | 5123.4 | 4905.2 | 4558.5 | 3920.2 | 3094.5 | 2263.4 | 1470.3 | 1004.0 | 717.0  | 530.5 | 15.4 |
| 52°   | 4465.2 | 4282.4 | 3894.0 | 3392.4 | 2649.1 | 1834.3 | 1225.0 | 849.2  | 595.7  | 445.4 | 12.7 |
| 53°   | 3809.8 | 3684.8 | 3315.4 | 2807.5 | 2128.5 | 1498.4 | 1000.4 | 727.0  | 519.7  | 381.2 | 10.0 |
| 54°   | 3153.4 | 3016.7 | 2736.0 | 2283.3 | 1715.7 | 1182.4 | 848.3  | 608.4  | 450.9  | 332.3 | 9.1  |
| 55°   | 2466.2 | 2395.6 | 2136.7 | 1741.0 | 1300.1 | 943.4  | 688.1  | 523.3  | 377.5  | 277.9 | 7.2  |
| 56°   | 1899.4 | 1819.8 | 1583.5 | 1263.0 | 966.0  | 738.8  | 556.8  | 427.3  | 319.6  | 232.7 | 5.4  |
| 57°   | 1244.0 | 1162.5 | 1005.9 | 881.8  | 703.5  | 538.7  | 425.5  | 336.8  | 259.8  | 192.8 | 4.5  |
| 58°   | 735.2  | 660.9  | 636.5  | 543.2  | 469.0  | 365.8  | 314.2  | 250.8  | 191.9  | 152.1 | 2.7  |
| 59°   | 337.7  | 343.1  | 305.1  | 286.1  | 259.8  | 232.7  | 191.0  | 167.5  | 131.3  | 109.5 | 1.8  |
| 60°   | 196.5  | 185.6  | 181.1  | 162.1  | 144.0  | 127.7  | 115.0  | 101.4  | 82.4   | 70.6  | 0.9  |
| 62.5° | 67.0   | 64.3   | 66.1   | 59.8   | 56.1   | 54.3   | 49.8   | 42.6   | 35.3   | 29.0  | 0.0  |
| 65°   | 18.1   | 18.1   | 17.2   | 16.3   | 15.4   | 14.5   | 13.6   | 11.8   | 10.9   | 9.1   | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 6.3 | 6.3  | 5.4 | 5.4  | 4.5 | 4.5   | 3.6 | 3.6   | 2.7 | 2.7   | 0.0 |
| 70°   | 3.6 | 3.6  | 3.6 | 2.7  | 2.7 | 2.7   | 1.8 | 1.8   | 1.8 | 0.9   | 0.0 |
| 72.5° | 2.7 | 2.7  | 2.7 | 2.7  | 2.7 | 2.7   | 1.8 | 1.8   | 1.8 | 0.9   | 0.9 |
| 75°   | 2.7 | 2.7  | 2.7 | 1.8  | 1.8 | 1.8   | 1.8 | 1.8   | 1.8 | 1.8   | 0.9 |
| 77.5° | 1.8 | 1.8  | 1.8 | 1.8  | 1.8 | 1.8   | 1.8 | 1.8   | 1.8 | 1.8   | 1.8 |
| 80°   | 1.8 | 1.8  | 1.8 | 1.8  | 1.8 | 1.8   | 1.8 | 1.8   | 1.8 | 0.9   | 1.8 |
| 82.5° | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 1.8 |
| 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 |

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**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 80.6  | 80.6 | 80.6   | 80.6 | 80.6   | 80.6 |
| 2.5°  | 83.3  | 79.7 | 75.1   | 72.4 | 71.5   | 70.6 |
| 5°    | 79.7  | 72.4 | 67.0   | 63.4 | 62.5   | 62.5 |
| 7.5°  | 71.5  | 63.4 | 57.9   | 56.1 | 55.2   | 55.2 |
| 10°   | 62.5  | 55.2 | 50.7   | 48.9 | 49.8   | 49.8 |
| 12.5° | 52.5  | 46.2 | 44.4   | 44.4 | 45.3   | 46.2 |
| 15°   | 42.6  | 38.9 | 38.9   | 39.8 | 41.6   | 42.6 |
| 17.5° | 35.3  | 33.5 | 34.4   | 36.2 | 38.0   | 39.8 |
| 20°   | 29.0  | 29.0 | 30.8   | 33.5 | 36.2   | 38.0 |
| 22.5° | 24.4  | 25.4 | 28.1   | 30.8 | 34.4   | 36.2 |
| 25°   | 20.8  | 22.6 | 25.4   | 29.9 | 33.5   | 34.4 |
| 27.5° | 18.1  | 20.8 | 24.4   | 29.0 | 32.6   | 34.4 |
| 30°   | 15.4  | 19.0 | 23.5   | 28.1 | 32.6   | 34.4 |
| 31°   | 14.5  | 18.1 | 22.6   | 28.1 | 32.6   | 34.4 |
| 32°   | 13.6  | 18.1 | 22.6   | 28.1 | 32.6   | 34.4 |
| 33°   | 12.7  | 17.2 | 22.6   | 27.2 | 32.6   | 34.4 |
| 34°   | 11.8  | 17.2 | 22.6   | 28.1 | 32.6   | 34.4 |
| 35°   | 10.9  | 16.3 | 21.7   | 27.2 | 31.7   | 34.4 |
| 36°   | 10.0  | 16.3 | 21.7   | 27.2 | 32.6   | 34.4 |
| 37°   | 9.1   | 16.3 | 21.7   | 27.2 | 31.7   | 34.4 |
| 38°   | 9.1   | 15.4 | 20.8   | 27.2 | 31.7   | 34.4 |
| 39°   | 8.1   | 14.5 | 20.8   | 27.2 | 31.7   | 34.4 |
| 40°   | 7.2   | 14.5 | 19.9   | 26.3 | 31.7   | 34.4 |
| 41°   | 6.3   | 13.6 | 19.9   | 26.3 | 31.7   | 34.4 |
| 42°   | 5.4   | 13.6 | 19.9   | 26.3 | 31.7   | 34.4 |
| 43°   | 4.5   | 12.7 | 19.0   | 26.3 | 31.7   | 34.4 |
| 44°   | 4.5   | 12.7 | 19.0   | 26.3 | 31.7   | 34.4 |
| 45°   | 3.6   | 11.8 | 18.1   | 26.3 | 31.7   | 34.4 |
| 46°   | 3.6   | 11.8 | 18.1   | 25.4 | 31.7   | 34.4 |
| 47°   | 2.7   | 11.8 | 18.1   | 25.4 | 31.7   | 34.4 |
| 48°   | 2.7   | 10.9 | 18.1   | 25.4 | 31.7   | 34.4 |
| 49°   | 1.8   | 10.9 | 18.1   | 25.4 | 31.7   | 34.4 |
| 50°   | 1.8   | 10.9 | 17.2   | 25.4 | 31.7   | 34.4 |
| 51°   | 1.8   | 10.9 | 17.2   | 25.4 | 31.7   | 34.4 |
| 52°   | 1.8   | 10.0 | 17.2   | 25.4 | 31.7   | 34.4 |
| 53°   | 1.8   | 10.0 | 17.2   | 25.4 | 31.7   | 34.4 |
| 54°   | 1.8   | 10.0 | 16.3   | 25.4 | 31.7   | 34.4 |
| 55°   | 1.8   | 9.1  | 16.3   | 24.4 | 31.7   | 33.5 |
| 56°   | 1.8   | 9.1  | 16.3   | 24.4 | 31.7   | 33.5 |
| 57°   | 1.8   | 9.1  | 15.4   | 24.4 | 31.7   | 33.5 |
| 58°   | 1.8   | 8.1  | 15.4   | 23.5 | 30.8   | 33.5 |
| 59°   | 1.8   | 8.1  | 14.5   | 23.5 | 30.8   | 32.6 |
| 60°   | 1.8   | 7.2  | 14.5   | 22.6 | 29.9   | 32.6 |
| 62.5° | 1.8   | 6.3  | 12.7   | 21.7 | 29.0   | 30.8 |
| 65°   | 1.8   | 5.4  | 11.8   | 19.9 | 28.1   | 29.9 |





TEST NUMBER: P1314334

CATALOG NUMBER: P3SQAS13R159735DE010 E3SQCA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.8   | 5.4 | 10.9   | 19.0 | 26.3   | 29.0 |
| 70°   | 1.8   | 5.4 | 10.0   | 17.2 | 25.4   | 26.3 |
| 72.5° | 2.7   | 5.4 | 9.1    | 16.3 | 23.5   | 24.4 |
| 75°   | 3.6   | 5.4 | 8.1    | 14.5 | 21.7   | 22.6 |
| 77.5° | 3.6   | 5.4 | 7.2    | 12.7 | 19.0   | 19.9 |
| 80°   | 3.6   | 4.5 | 6.3    | 10.0 | 15.4   | 16.3 |
| 82.5° | 3.6   | 4.5 | 4.5    | 8.1  | 11.8   | 12.7 |
| 85°   | 2.7   | 3.6 | 3.6    | 4.5  | 8.1    | 9.1  |
| 87.5° | 2.7   | 3.6 | 1.8    | 2.7  | 3.6    | 3.6  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)