

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: P1307807

Luminaire Tested: P3SQAS09R209030DE010 E3SQCA451MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307807  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R209030DE010 E3SQCA451MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQCA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

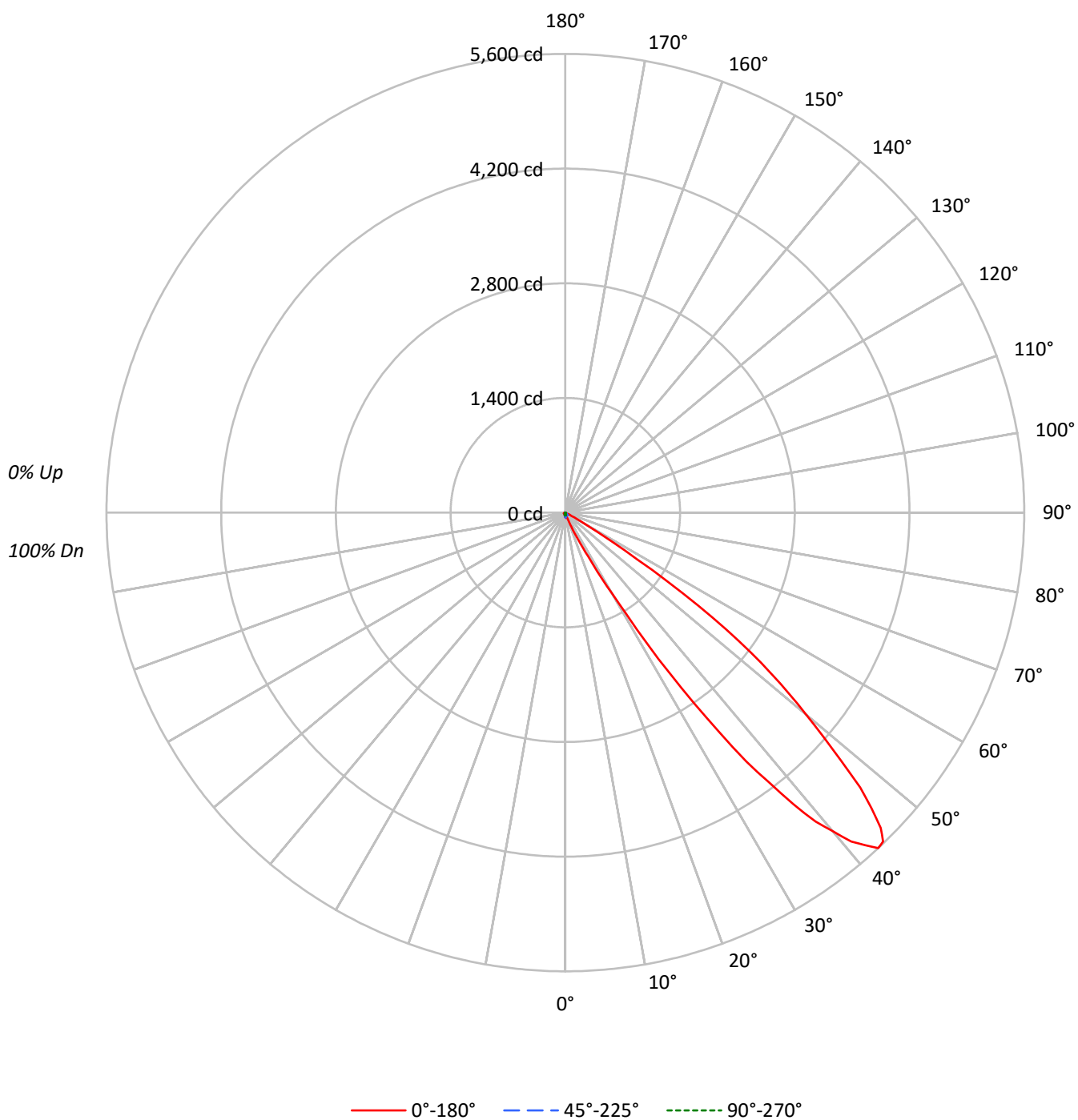
Lumens per Lamp: N/A  
Luminaire Lumens: 778.0 lumens  
Efficiency: N/A  
Efficacy: 70.1 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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: P1307807

CATALOG NUMBER: P3SQAS09R209030DE010 E3SQCA451MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1307807

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**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  | 0   |
| 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  | 108 | 104 | 101 | 97  | 100 | 97  | 94  |  | 96  | 94  | 92  |  | 92  | 91  | 89  | 87  |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  |  | 85  | 81  | 77  |  | 82  | 78  | 75  | 73  |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  |  | 74  | 69  | 65  |  | 72  | 67  | 63  | 61  |
| 4   | 83  | 71  | 62  | 56  | 81  | 70  | 62  | 55  | 67  | 60  | 55  |  | 65  | 59  | 54  |  | 63  | 58  | 53  | 51  |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 53  | 46  | 59  | 51  | 46  |  | 57  | 50  | 45  |  | 55  | 49  | 45  | 42  |
| 6   | 68  | 55  | 45  | 39  | 66  | 54  | 45  | 38  | 52  | 44  | 38  |  | 50  | 43  | 38  |  | 48  | 42  | 37  | 35  |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 38  | 32  | 46  | 38  | 32  |  | 44  | 37  | 32  |  | 43  | 36  | 31  | 29  |
| 8   | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  |  | 39  | 32  | 27  |  | 38  | 31  | 27  | 25  |
| 9   | 52  | 38  | 29  | 23  | 51  | 37  | 29  | 23  | 36  | 28  | 23  |  | 35  | 28  | 23  |  | 34  | 27  | 23  | 21  |
| 10  | 48  | 34  | 25  | 20  | 47  | 33  | 25  | 20  | 32  | 25  | 19  |  | 31  | 24  | 19  |  | 30  | 24  | 19  | 17  |

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

|     | 0°      | 45°   | 90°  | 135° | 180°  |
|-----|---------|-------|------|------|-------|
| 0°  | 9317    | 9317  | 9317 | 9317 | 9317  |
| 5°  | 10874   | 10114 | 8713 | 7589 | 7330  |
| 10° | 10738   | 9199  | 6908 | 5876 | 5754  |
| 15° | 9378    | 7043  | 5081 | 4689 | 4957  |
| 20° | 13929   | 5901  | 3757 | 4014 | 4417  |
| 25° | 60029   | 6119  | 2926 | 3611 | 4314  |
| 30° | 226965  | 7418  | 2466 | 3480 | 4216  |
| 35° | 688048  | 8914  | 2313 | 3532 | 4457  |
| 40° | 1140920 | 8880  | 1978 | 3777 | 4766  |
| 45° | 1326133 | 6065  | 1778 | 3921 | 5163  |
| 50° | 1029417 | 3322  | 1768 | 4126 | 5868  |
| 55° | 595808  | 2192  | 1742 | 4624 | 6366  |
| 60° | 100750  | 517   | 1516 | 4788 | 7061  |
| 65° | 7743    | 0     | 1793 | 5379 | 8028  |
| 70° | 1108    | 0     | 2216 | 5891 | 9215  |
| 75° | 998     | 466   | 2462 | 6787 | 10713 |
| 80° | 694     | 694   | 3670 | 7240 | 12298 |
| 85° | 1383    | 1383  | 5730 | 7311 | 13042 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1326133 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.6    | 0.6       |
| 10°-20°   | 9.7    | 1.3       |
| 20°-30°   | 31.1   | 4.0       |
| 30°-40°   | 198.4  | 25.5      |
| 40°-50°   | 363.1  | 46.7      |
| 50°-60°   | 149.2  | 19.2      |
| 60°-70°   | 12.6   | 1.6       |
| 70°-80°   | 6.3    | 0.8       |
| 80°-90°   | 2.9    | 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°    | 45.5   | 5.8       |
| 0°-40°    | 243.8  | 31.3      |
| 0°-60°    | 756.2  | 97.2      |
| 0°-90°    | 778.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 778.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 54   | 54  | 54  | 54   | 54   |      |
| 5°  | 63   | 58  | 50  | 44   | 42   | 6    |
| 15° | 53   | 40  | 28  | 26   | 28   | 17   |
| 25° | 316  | 32  | 15  | 19   | 23   | 208  |
| 35° | 3273 | 42  | 11  | 17   | 21   | 2071 |
| 45° | 5445 | 25  | 7   | 16   | 21   | 3909 |
| 55° | 1984 | 7   | 6   | 15   | 21   | 1735 |
| 65° | 19   | 0   | 4   | 13   | 20   | 62   |
| 75° | 2    | 1   | 4   | 10   | 16   | 2    |
| 85° | 1    | 1   | 3   | 4    | 7    | 0    |
| 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°    | 54.1   | 54.1   | 54.1   | 54.1   | 54.1   | 54.1   | 54.1   | 54.1   | 54.1   | 54.1  | 54.1 |
| 2.5°  | 59.2   | 59.2   | 59.2   | 58.5   | 58.5   | 59.2   | 58.5   | 58.5   | 58.5   | 58.5  | 57.8 |
| 5°    | 62.9   | 62.9   | 62.9   | 62.9   | 62.9   | 62.9   | 62.9   | 62.1   | 62.1   | 61.4  | 58.5 |
| 7.5°  | 64.3   | 64.3   | 64.3   | 64.3   | 63.6   | 63.6   | 63.6   | 63.6   | 62.9   | 62.1  | 57.0 |
| 10°   | 61.4   | 61.4   | 61.4   | 60.7   | 60.7   | 60.7   | 60.0   | 60.0   | 59.2   | 58.5  | 52.6 |
| 12.5° | 55.6   | 55.6   | 55.6   | 55.6   | 54.8   | 54.8   | 54.1   | 54.1   | 53.4   | 52.6  | 46.1 |
| 15°   | 52.6   | 52.6   | 52.6   | 51.9   | 51.9   | 51.2   | 50.4   | 49.7   | 49.0   | 47.5  | 39.5 |
| 17.5° | 57.0   | 57.0   | 56.3   | 56.3   | 54.8   | 53.4   | 52.6   | 50.4   | 49.0   | 46.8  | 35.1 |
| 20°   | 76.0   | 76.8   | 73.8   | 71.7   | 70.2   | 65.8   | 63.6   | 60.0   | 57.0   | 53.4  | 32.2 |
| 22.5° | 153.5  | 150.6  | 145.5  | 137.5  | 127.9  | 119.9  | 105.3  | 93.6   | 85.5   | 74.6  | 31.4 |
| 25°   | 315.9  | 312.9  | 299.0  | 287.3  | 258.1  | 235.4  | 204.0  | 178.4  | 152.1  | 126.5 | 32.2 |
| 27.5° | 600.3  | 580.5  | 576.9  | 523.5  | 482.6  | 424.1  | 363.4  | 312.2  | 265.4  | 213.5 | 34.4 |
| 30°   | 1141.3 | 1118.6 | 1038.9 | 958.5  | 848.1  | 723.1  | 603.9  | 492.8  | 399.9  | 315.9 | 37.3 |
| 31°   | 1448.4 | 1470.3 | 1376.7 | 1215.2 | 1052.1 | 892.0  | 728.9  | 587.8  | 467.9  | 363.4 | 38.8 |
| 32°   | 1903.9 | 1808.1 | 1709.4 | 1543.4 | 1306.5 | 1101.8 | 897.1  | 693.8  | 535.9  | 414.6 | 40.2 |
| 33°   | 2334.5 | 2278.2 | 2127.6 | 1920.7 | 1636.3 | 1348.9 | 1083.5 | 818.9  | 619.3  | 476.7 | 40.9 |
| 34°   | 2793.7 | 2731.5 | 2609.4 | 2312.6 | 2000.4 | 1623.9 | 1270.0 | 962.9  | 718.7  | 537.4 | 41.7 |
| 35°   | 3272.6 | 3246.2 | 3010.8 | 2753.5 | 2369.6 | 1915.6 | 1494.4 | 1120.8 | 815.9  | 593.0 | 42.4 |
| 36°   | 3754.4 | 3669.6 | 3485.3 | 3109.5 | 2708.9 | 2185.4 | 1729.9 | 1267.8 | 914.7  | 658.8 | 42.4 |
| 37°   | 4117.0 | 4098.0 | 3853.8 | 3487.5 | 3016.7 | 2473.4 | 1933.1 | 1430.8 | 1014.1 | 715.1 | 42.4 |
| 38°   | 4517.0 | 4441.7 | 4193.8 | 3820.9 | 3306.2 | 2737.4 | 2145.9 | 1572.7 | 1108.4 | 766.2 | 41.7 |
| 39°   | 4854.0 | 4742.2 | 4492.1 | 4123.6 | 3559.2 | 2937.7 | 2314.8 | 1710.1 | 1191.8 | 808.6 | 40.9 |
| 40°   | 5074.8 | 4997.3 | 4736.3 | 4321.8 | 3788.8 | 3127.1 | 2485.9 | 1823.5 | 1253.9 | 840.8 | 39.5 |
| 41°   | 5318.3 | 5189.6 | 4931.5 | 4514.8 | 3955.5 | 3293.8 | 2593.3 | 1898.0 | 1302.2 | 862.0 | 38.0 |
| 42°   | 5463.8 | 5358.5 | 5052.2 | 4644.2 | 4074.6 | 3388.8 | 2681.1 | 1955.1 | 1331.4 | 873.0 | 35.1 |
| 43°   | 5599.8 | 5456.5 | 5158.2 | 4719.5 | 4153.6 | 3456.1 | 2721.3 | 1981.4 | 1338.0 | 873.0 | 31.4 |
| 44°   | 5581.5 | 5445.5 | 5136.2 | 4729.7 | 4171.1 | 3475.8 | 2738.1 | 1982.1 | 1327.7 | 862.0 | 27.8 |
| 45°   | 5444.8 | 5309.5 | 5031.0 | 4640.5 | 4108.3 | 3437.1 | 2704.5 | 1952.9 | 1299.2 | 843.0 | 24.9 |
| 46°   | 5194.0 | 5059.5 | 4846.0 | 4491.4 | 3991.3 | 3349.3 | 2626.2 | 1889.3 | 1251.7 | 812.3 | 21.9 |
| 47°   | 4921.3 | 4790.4 | 4571.8 | 4250.8 | 3791.7 | 3192.9 | 2512.9 | 1800.1 | 1185.2 | 767.7 | 19.7 |
| 48°   | 4525.7 | 4443.9 | 4224.5 | 3950.3 | 3514.6 | 2947.9 | 2314.0 | 1654.6 | 1096.0 | 709.9 | 16.8 |
| 49°   | 4176.3 | 4090.0 | 3897.7 | 3603.0 | 3153.4 | 2662.8 | 2076.4 | 1477.6 | 979.7  | 645.6 | 14.6 |
| 50°   | 3842.1 | 3766.8 | 3589.2 | 3256.5 | 2827.3 | 2318.4 | 1755.5 | 1254.6 | 833.5  | 565.9 | 12.4 |
| 51°   | 3515.3 | 3459.0 | 3277.7 | 2972.1 | 2536.3 | 2053.8 | 1520.8 | 1044.8 | 688.7  | 469.4 | 11.7 |
| 52°   | 3187.0 | 3180.4 | 2983.8 | 2674.5 | 2253.4 | 1789.8 | 1292.7 | 881.8  | 584.2  | 394.1 | 11.0 |
| 53°   | 2833.9 | 2791.5 | 2619.7 | 2341.8 | 1937.5 | 1514.9 | 1096.0 | 743.6  | 503.0  | 335.6 | 9.5  |
| 54°   | 2431.8 | 2384.2 | 2200.0 | 1949.2 | 1582.9 | 1240.7 | 883.2  | 601.0  | 418.9  | 283.7 | 8.8  |
| 55°   | 1984.3 | 1903.2 | 1769.4 | 1512.0 | 1236.4 | 946.8  | 682.2  | 476.0  | 334.9  | 236.2 | 7.3  |
| 56°   | 1505.4 | 1424.3 | 1348.9 | 1159.6 | 907.3  | 706.3  | 508.1  | 364.8  | 261.7  | 186.4 | 6.6  |
| 57°   | 1047.0 | 1042.6 | 919.0  | 773.5  | 606.8  | 481.1  | 348.0  | 257.4  | 185.0  | 144.8 | 5.1  |
| 58°   | 679.2  | 656.6  | 577.6  | 493.5  | 397.0  | 300.5  | 223.7  | 174.7  | 125.8  | 98.7  | 4.4  |
| 59°   | 476.0  | 430.6  | 388.2  | 329.0  | 250.0  | 189.4  | 144.0  | 111.9  | 87.0   | 68.7  | 2.9  |
| 60°   | 292.5  | 283.0  | 254.4  | 200.3  | 162.3  | 133.8  | 107.5  | 82.6   | 63.6   | 49.0  | 1.5  |
| 62.5° | 83.3   | 84.8   | 76.8   | 68.0   | 58.5   | 50.4   | 45.3   | 38.8   | 32.2   | 25.6  | 0.0  |
| 65°   | 19.0   | 18.3   | 19.7   | 18.3   | 16.8   | 16.8   | 14.6   | 13.2   | 11.7   | 11.0  | 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° | 5.8 | 5.8  | 5.1 | 5.1  | 5.1 | 4.4   | 4.4 | 3.7   | 3.7 | 2.9   | 0.0 |
| 70°   | 2.2 | 2.2  | 2.2 | 2.2  | 2.2 | 1.5   | 1.5 | 1.5   | 0.7 | 0.7   | 0.0 |
| 72.5° | 2.2 | 2.2  | 2.2 | 1.5  | 1.5 | 1.5   | 1.5 | 1.5   | 0.7 | 0.7   | 0.7 |
| 75°   | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.5   | 1.5 | 0.7   | 0.7 | 0.7   | 0.7 |
| 77.5° | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 0.7   | 1.5 | 0.7   | 0.7 | 0.7   | 0.7 |
| 80°   | 0.7 | 0.7  | 0.7 | 0.7  | 0.7 | 0.7   | 0.7 | 0.7   | 0.7 | 0.7   | 0.7 |
| 82.5° | 0.7 | 0.7  | 0.7 | 0.7  | 0.7 | 0.7   | 0.7 | 0.7   | 0.7 | 0.7   | 0.7 |
| 85°   | 0.7 | 0.7  | 0.7 | 0.7  | 0.0 | 0.0   | 0.7 | 0.7   | 0.7 | 0.0   | 0.7 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.7 |
| 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°    | 54.1  | 54.1 | 54.1   | 54.1 | 54.1   | 54.1 |
| 2.5°  | 56.3  | 53.4 | 51.2   | 49.0 | 48.3   | 48.3 |
| 5°    | 54.8  | 50.4 | 46.1   | 43.9 | 42.4   | 42.4 |
| 7.5°  | 50.4  | 45.3 | 40.9   | 38.8 | 38.0   | 38.0 |
| 10°   | 45.3  | 39.5 | 35.1   | 33.6 | 33.6   | 32.9 |
| 12.5° | 39.5  | 33.6 | 30.7   | 30.0 | 30.0   | 30.0 |
| 15°   | 32.9  | 28.5 | 26.3   | 26.3 | 27.1   | 27.8 |
| 17.5° | 27.8  | 23.4 | 22.7   | 24.1 | 25.6   | 25.6 |
| 20°   | 23.4  | 20.5 | 20.5   | 21.9 | 23.4   | 24.1 |
| 22.5° | 19.7  | 17.5 | 18.3   | 20.5 | 22.7   | 23.4 |
| 25°   | 17.5  | 15.4 | 16.8   | 19.0 | 21.2   | 22.7 |
| 27.5° | 14.6  | 13.9 | 15.4   | 18.3 | 21.2   | 21.9 |
| 30°   | 12.4  | 12.4 | 14.6   | 17.5 | 20.5   | 21.2 |
| 31°   | 11.7  | 11.7 | 14.6   | 17.5 | 20.5   | 21.2 |
| 32°   | 11.0  | 11.7 | 13.9   | 17.5 | 20.5   | 21.2 |
| 33°   | 10.2  | 11.0 | 13.9   | 16.8 | 20.5   | 21.2 |
| 34°   | 9.5   | 11.0 | 13.9   | 16.8 | 20.5   | 21.2 |
| 35°   | 8.8   | 11.0 | 13.9   | 16.8 | 20.5   | 21.2 |
| 36°   | 8.0   | 10.2 | 13.2   | 16.8 | 20.5   | 21.2 |
| 37°   | 7.3   | 10.2 | 13.2   | 16.8 | 20.5   | 21.2 |
| 38°   | 6.6   | 9.5  | 13.2   | 16.8 | 20.5   | 21.2 |
| 39°   | 6.6   | 9.5  | 12.4   | 16.8 | 19.7   | 21.2 |
| 40°   | 5.8   | 8.8  | 12.4   | 16.8 | 19.7   | 21.2 |
| 41°   | 5.1   | 8.8  | 12.4   | 16.1 | 19.7   | 21.2 |
| 42°   | 4.4   | 8.0  | 11.7   | 16.1 | 19.7   | 21.2 |
| 43°   | 3.7   | 8.0  | 11.7   | 16.1 | 19.7   | 21.2 |
| 44°   | 3.7   | 7.3  | 11.7   | 16.1 | 19.7   | 21.2 |
| 45°   | 2.9   | 7.3  | 11.7   | 16.1 | 19.7   | 21.2 |
| 46°   | 2.2   | 7.3  | 11.7   | 16.1 | 19.7   | 21.2 |
| 47°   | 2.2   | 6.6  | 11.0   | 16.1 | 19.7   | 21.2 |
| 48°   | 1.5   | 6.6  | 11.0   | 16.1 | 19.7   | 21.2 |
| 49°   | 1.5   | 6.6  | 11.0   | 16.1 | 19.7   | 21.9 |
| 50°   | 1.5   | 6.6  | 11.0   | 15.4 | 19.7   | 21.9 |
| 51°   | 0.7   | 6.6  | 11.0   | 15.4 | 19.7   | 21.9 |
| 52°   | 0.7   | 6.6  | 10.2   | 15.4 | 20.5   | 21.9 |
| 53°   | 0.7   | 5.8  | 10.2   | 15.4 | 20.5   | 21.9 |
| 54°   | 0.7   | 5.8  | 10.2   | 15.4 | 20.5   | 21.2 |
| 55°   | 0.7   | 5.8  | 10.2   | 15.4 | 19.7   | 21.2 |
| 56°   | 0.7   | 5.1  | 10.2   | 15.4 | 19.7   | 21.2 |
| 57°   | 0.7   | 5.1  | 9.5    | 14.6 | 19.7   | 20.5 |
| 58°   | 0.7   | 5.1  | 9.5    | 14.6 | 19.7   | 20.5 |
| 59°   | 0.7   | 5.1  | 9.5    | 14.6 | 19.0   | 20.5 |
| 60°   | 1.5   | 4.4  | 8.8    | 13.9 | 19.0   | 20.5 |
| 62.5° | 1.5   | 4.4  | 8.8    | 13.9 | 18.3   | 19.7 |
| 65°   | 1.5   | 4.4  | 8.0    | 13.2 | 18.3   | 19.7 |





TEST NUMBER: P1307807

CATALOG NUMBER: P3SQAS09R209030DE010 E3SQCA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.5   | 3.7 | 7.3    | 12.4 | 17.5   | 19.0 |
| 70°   | 1.5   | 4.4 | 7.3    | 11.7 | 16.8   | 18.3 |
| 72.5° | 2.2   | 3.7 | 6.6    | 11.0 | 16.1   | 17.5 |
| 75°   | 2.2   | 3.7 | 6.6    | 10.2 | 15.4   | 16.1 |
| 77.5° | 2.9   | 3.7 | 5.8    | 8.8  | 13.9   | 14.6 |
| 80°   | 2.9   | 3.7 | 5.1    | 7.3  | 11.7   | 12.4 |
| 82.5° | 2.9   | 3.7 | 3.7    | 5.8  | 8.8    | 9.5  |
| 85°   | 2.2   | 2.9 | 2.9    | 3.7  | 5.8    | 6.6  |
| 87.5° | 2.2   | 2.9 | 2.2    | 1.5  | 2.9    | 2.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)