

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: P1318107

Luminaire Tested: P3SQAS17R209835DE010 E3SQCA451MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318107  
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: P3SQAS17R209835DE010 E3SQCA451MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQCA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

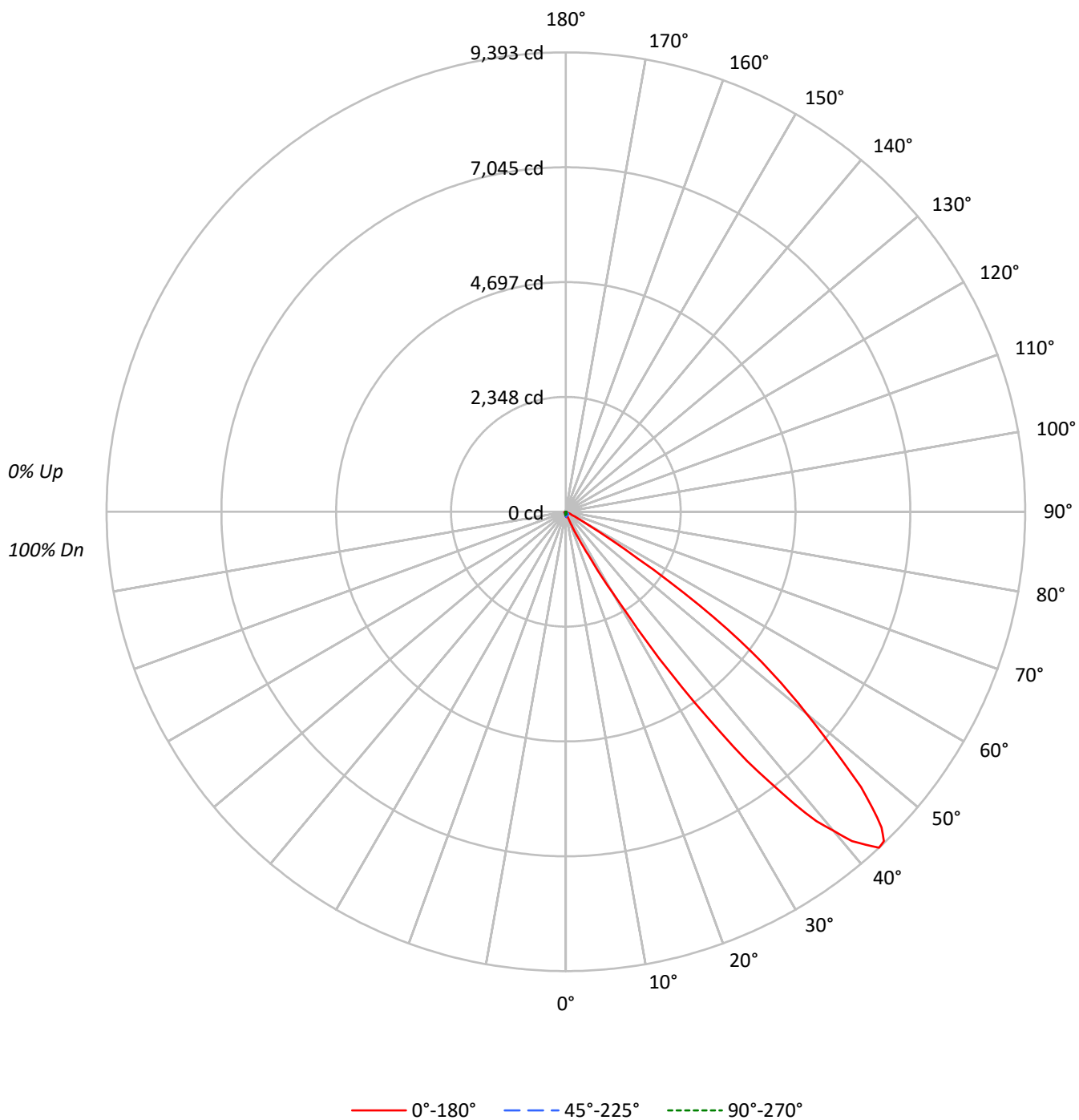
Lumens per Lamp: N/A  
Luminaire Lumens: 1305.0 lumens  
Efficiency: N/A  
Efficacy: 64.0 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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: P1318107

CATALOG NUMBER: P3SQAS17R209835DE010 E3SQCA451MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1318107

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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   | 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°  | 15638   | 15638 | 15638 | 15638 | 15638 |
| 5°  | 18239   | 16960 | 14626 | 12724 | 12292 |
| 10° | 18013   | 15442 | 11577 | 9863  | 9653  |
| 15° | 15744   | 11803 | 8523  | 7881  | 8309  |
| 20° | 23368   | 9897  | 6286  | 6745  | 7423  |
| 25° | 100676  | 10261 | 4903  | 6062  | 7221  |
| 30° | 380708  | 12429 | 4136  | 5847  | 7080  |
| 35° | 1154098 | 14948 | 3869  | 5929  | 7485  |
| 40° | 1913764 | 14883 | 3305  | 6340  | 8004  |
| 45° | 2224430 | 10156 | 2996  | 6576  | 8671  |
| 50° | 1726734 | 5573  | 2947  | 6913  | 9860  |
| 55° | 999389  | 3693  | 2943  | 7747  | 10689 |
| 60° | 168985  | 861   | 2549  | 8026  | 11814 |
| 65° | 13000   | 0     | 3016  | 9006  | 13489 |
| 70° | 1863    | 0     | 3726  | 9869  | 15459 |
| 75° | 1664    | 799   | 4059  | 11445 | 17966 |
| 80° | 1190    | 1190  | 6050  | 12199 | 20629 |
| 85° | 2371    | 2371  | 9683  | 12054 | 21736 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2224430 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 7.8    | 0.6       |
| 10°-20°   | 16.3   | 1.3       |
| 20°-30°   | 52.1   | 4.0       |
| 30°-40°   | 332.8  | 25.5      |
| 40°-50°   | 609.1  | 46.7      |
| 50°-60°   | 250.3  | 19.2      |
| 60°-70°   | 21.1   | 1.6       |
| 70°-80°   | 10.5   | 0.8       |
| 80°-90°   | 4.9    | 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°    | 76.2   | 5.8       |
| 0°-40°    | 409.0  | 31.3      |
| 0°-60°    | 1268.4 | 97.2      |
| 0°-90°    | 1305.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1305.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 91   | 91  | 91  | 91   | 91   |      |
| 5°  | 106  | 98  | 85  | 74   | 71   | 10   |
| 15° | 88   | 66  | 48  | 44   | 47   | 28   |
| 25° | 530  | 54  | 26  | 32   | 38   | 348  |
| 35° | 5489 | 71  | 18  | 28   | 36   | 3474 |
| 45° | 9133 | 42  | 12  | 27   | 36   | 6557 |
| 55° | 3328 | 12  | 10  | 26   | 36   | 2909 |
| 65° | 32   | 0   | 7   | 22   | 33   | 104  |
| 75° | 2    | 1   | 6   | 17   | 27   | 3    |
| 85° | 1    | 1   | 5   | 6    | 11   | 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°    | 90.8   | 90.8   | 90.8   | 90.8   | 90.8   | 90.8   | 90.8   | 90.8   | 90.8   | 90.8   | 90.8 |
| 2.5°  | 99.3   | 99.3   | 99.3   | 98.1   | 98.1   | 99.3   | 98.1   | 98.1   | 98.1   | 98.1   | 96.9 |
| 5°    | 105.5  | 105.5  | 105.5  | 105.5  | 105.5  | 105.5  | 105.5  | 104.2  | 104.2  | 103.0  | 98.1 |
| 7.5°  | 107.9  | 107.9  | 107.9  | 107.9  | 106.7  | 106.7  | 106.7  | 106.7  | 105.5  | 104.2  | 95.7 |
| 10°   | 103.0  | 103.0  | 103.0  | 101.8  | 101.8  | 101.8  | 100.6  | 100.6  | 99.3   | 98.1   | 88.3 |
| 12.5° | 93.2   | 93.2   | 93.2   | 93.2   | 92.0   | 92.0   | 90.8   | 90.8   | 89.5   | 88.3   | 77.3 |
| 15°   | 88.3   | 88.3   | 88.3   | 87.1   | 87.1   | 85.8   | 84.6   | 83.4   | 82.2   | 79.7   | 66.2 |
| 17.5° | 95.7   | 95.7   | 94.4   | 94.4   | 92.0   | 89.5   | 88.3   | 84.6   | 82.2   | 78.5   | 58.9 |
| 20°   | 127.5  | 128.8  | 123.9  | 120.2  | 117.7  | 110.4  | 106.7  | 100.6  | 95.7   | 89.5   | 54.0 |
| 22.5° | 257.5  | 252.6  | 244.1  | 230.6  | 214.6  | 201.1  | 176.6  | 157.0  | 143.5  | 125.1  | 52.7 |
| 25°   | 529.8  | 524.9  | 501.6  | 482.0  | 432.9  | 394.9  | 342.2  | 299.2  | 255.1  | 212.2  | 54.0 |
| 27.5° | 1006.9 | 973.8  | 967.6  | 878.1  | 809.4  | 711.3  | 609.5  | 523.7  | 445.2  | 358.1  | 57.6 |
| 30°   | 1914.4 | 1876.4 | 1742.7 | 1607.8 | 1422.6 | 1212.9 | 1013.0 | 826.6  | 670.8  | 529.8  | 62.5 |
| 31°   | 2429.5 | 2466.3 | 2309.3 | 2038.3 | 1764.8 | 1496.2 | 1222.7 | 986.0  | 784.9  | 609.5  | 65.0 |
| 32°   | 3193.5 | 3032.9 | 2867.3 | 2588.9 | 2191.6 | 1848.2 | 1504.8 | 1163.8 | 898.9  | 695.4  | 67.5 |
| 33°   | 3915.9 | 3821.4 | 3568.8 | 3221.7 | 2744.7 | 2262.7 | 1817.5 | 1373.6 | 1038.8 | 799.6  | 68.7 |
| 34°   | 4686.1 | 4581.8 | 4377.0 | 3879.1 | 3355.4 | 2723.8 | 2130.2 | 1615.2 | 1205.5 | 901.4  | 69.9 |
| 35°   | 5489.3 | 5445.2 | 5050.3 | 4618.6 | 3974.7 | 3213.2 | 2506.7 | 1880.1 | 1368.7 | 994.6  | 71.1 |
| 36°   | 6297.5 | 6155.3 | 5846.2 | 5215.9 | 4543.8 | 3665.7 | 2901.6 | 2126.6 | 1534.2 | 1105.0 | 71.1 |
| 37°   | 6905.8 | 6873.9 | 6464.3 | 5849.9 | 5060.1 | 4148.9 | 3242.6 | 2400.1 | 1701.0 | 1199.4 | 71.1 |
| 38°   | 7576.7 | 7450.3 | 7034.6 | 6409.1 | 5545.8 | 4591.6 | 3599.5 | 2638.0 | 1859.2 | 1285.3 | 69.9 |
| 39°   | 8142.0 | 7954.4 | 7535.0 | 6916.9 | 5970.1 | 4927.6 | 3882.8 | 2868.5 | 1999.0 | 1356.4 | 68.7 |
| 40°   | 8512.4 | 8382.4 | 7944.6 | 7249.2 | 6355.2 | 5245.3 | 4169.7 | 3058.6 | 2103.3 | 1410.4 | 66.2 |
| 41°   | 8920.8 | 8704.9 | 8272.0 | 7573.0 | 6634.8 | 5524.9 | 4350.0 | 3183.7 | 2184.2 | 1445.9 | 63.8 |
| 42°   | 9164.8 | 8988.2 | 8474.4 | 7790.1 | 6834.7 | 5684.3 | 4497.2 | 3279.4 | 2233.3 | 1464.3 | 58.9 |
| 43°   | 9392.9 | 9152.6 | 8652.2 | 7916.4 | 6967.1 | 5797.2 | 4564.6 | 3323.5 | 2244.3 | 1464.3 | 52.7 |
| 44°   | 9362.3 | 9134.2 | 8615.4 | 7933.5 | 6996.6 | 5830.3 | 4592.8 | 3324.8 | 2227.1 | 1445.9 | 46.6 |
| 45°   | 9133.0 | 8906.1 | 8438.8 | 7783.9 | 6891.1 | 5765.3 | 4536.4 | 3275.7 | 2179.3 | 1414.0 | 41.7 |
| 46°   | 8712.3 | 8486.6 | 8128.5 | 7533.7 | 6694.9 | 5618.1 | 4405.2 | 3169.0 | 2099.6 | 1362.5 | 36.8 |
| 47°   | 8254.9 | 8035.3 | 7668.6 | 7130.3 | 6360.1 | 5355.7 | 4215.1 | 3019.4 | 1988.0 | 1287.7 | 33.1 |
| 48°   | 7591.4 | 7454.0 | 7086.1 | 6626.2 | 5895.3 | 4944.8 | 3881.5 | 2775.3 | 1838.4 | 1190.8 | 28.2 |
| 49°   | 7005.2 | 6860.4 | 6537.9 | 6043.7 | 5289.4 | 4466.5 | 3483.0 | 2478.5 | 1643.4 | 1082.9 | 24.5 |
| 50°   | 6444.7 | 6318.4 | 6020.4 | 5462.4 | 4742.5 | 3888.9 | 2944.6 | 2104.5 | 1398.1 | 949.2  | 20.8 |
| 51°   | 5896.5 | 5802.1 | 5497.9 | 4985.3 | 4254.4 | 3444.9 | 2550.9 | 1752.5 | 1155.3 | 787.3  | 19.6 |
| 52°   | 5345.9 | 5334.8 | 5004.9 | 4486.1 | 3779.7 | 3002.2 | 2168.3 | 1479.0 | 979.9  | 661.0  | 18.4 |
| 53°   | 4753.5 | 4682.4 | 4394.2 | 3928.1 | 3249.9 | 2541.1 | 1838.4 | 1247.2 | 843.8  | 562.9  | 15.9 |
| 54°   | 4079.0 | 3999.3 | 3690.2 | 3269.6 | 2655.1 | 2081.2 | 1481.5 | 1008.1 | 702.7  | 475.8  | 14.7 |
| 55°   | 3328.4 | 3192.3 | 2967.9 | 2536.2 | 2073.8 | 1588.2 | 1144.2 | 798.4  | 561.7  | 396.1  | 12.3 |
| 56°   | 2525.1 | 2389.0 | 2262.7 | 1945.1 | 1522.0 | 1184.7 | 852.3  | 612.0  | 439.0  | 312.7  | 11.0 |
| 57°   | 1756.2 | 1748.8 | 1541.6 | 1297.5 | 1017.9 | 807.0  | 583.8  | 431.7  | 310.3  | 242.8  | 8.6  |
| 58°   | 1139.3 | 1101.3 | 968.9  | 827.8  | 665.9  | 504.0  | 375.3  | 293.1  | 210.9  | 165.6  | 7.4  |
| 59°   | 798.4  | 722.3  | 651.2  | 551.9  | 419.4  | 317.6  | 241.6  | 187.6  | 145.9  | 115.3  | 4.9  |
| 60°   | 490.6  | 474.6  | 426.8  | 336.0  | 272.3  | 224.4  | 180.3  | 138.6  | 106.7  | 82.2   | 2.5  |
| 62.5° | 139.8  | 142.3  | 128.8  | 114.1  | 98.1   | 84.6   | 76.0   | 65.0   | 54.0   | 42.9   | 0.0  |
| 65°   | 31.9   | 30.7   | 33.1   | 30.7   | 28.2   | 28.2   | 24.5   | 22.1   | 19.6   | 18.4   | 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° | 9.8 | 9.8  | 8.6 | 8.6  | 8.6 | 7.4   | 7.4 | 6.1   | 6.1 | 4.9   | 0.0 |
| 70°   | 3.7 | 3.7  | 3.7 | 3.7  | 3.7 | 2.5   | 2.5 | 2.5   | 1.2 | 1.2   | 0.0 |
| 72.5° | 3.7 | 3.7  | 3.7 | 2.5  | 2.5 | 2.5   | 2.5 | 2.5   | 1.2 | 1.2   | 1.2 |
| 75°   | 2.5 | 2.5  | 2.5 | 2.5  | 2.5 | 2.5   | 2.5 | 1.2   | 1.2 | 1.2   | 1.2 |
| 77.5° | 2.5 | 2.5  | 2.5 | 2.5  | 2.5 | 1.2   | 2.5 | 1.2   | 1.2 | 1.2   | 1.2 |
| 80°   | 1.2 | 1.2  | 1.2 | 1.2  | 1.2 | 1.2   | 1.2 | 1.2   | 1.2 | 1.2   | 1.2 |
| 82.5° | 1.2 | 1.2  | 1.2 | 1.2  | 1.2 | 1.2   | 1.2 | 1.2   | 1.2 | 1.2   | 1.2 |
| 85°   | 1.2 | 1.2  | 1.2 | 1.2  | 0.0 | 0.0   | 1.2 | 1.2   | 1.2 | 0.0   | 1.2 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 1.2 |
| 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°    | 90.8  | 90.8 | 90.8   | 90.8 | 90.8   | 90.8 |
| 2.5°  | 94.4  | 89.5 | 85.8   | 82.2 | 80.9   | 80.9 |
| 5°    | 92.0  | 84.6 | 77.3   | 73.6 | 71.1   | 71.1 |
| 7.5°  | 84.6  | 76.0 | 68.7   | 65.0 | 63.8   | 63.8 |
| 10°   | 76.0  | 66.2 | 58.9   | 56.4 | 56.4   | 55.2 |
| 12.5° | 66.2  | 56.4 | 51.5   | 50.3 | 50.3   | 50.3 |
| 15°   | 55.2  | 47.8 | 44.2   | 44.2 | 45.4   | 46.6 |
| 17.5° | 46.6  | 39.2 | 38.0   | 40.5 | 42.9   | 42.9 |
| 20°   | 39.2  | 34.3 | 34.3   | 36.8 | 39.2   | 40.5 |
| 22.5° | 33.1  | 29.4 | 30.7   | 34.3 | 38.0   | 39.2 |
| 25°   | 29.4  | 25.8 | 28.2   | 31.9 | 35.6   | 38.0 |
| 27.5° | 24.5  | 23.3 | 25.8   | 30.7 | 35.6   | 36.8 |
| 30°   | 20.8  | 20.8 | 24.5   | 29.4 | 34.3   | 35.6 |
| 31°   | 19.6  | 19.6 | 24.5   | 29.4 | 34.3   | 35.6 |
| 32°   | 18.4  | 19.6 | 23.3   | 29.4 | 34.3   | 35.6 |
| 33°   | 17.2  | 18.4 | 23.3   | 28.2 | 34.3   | 35.6 |
| 34°   | 15.9  | 18.4 | 23.3   | 28.2 | 34.3   | 35.6 |
| 35°   | 14.7  | 18.4 | 23.3   | 28.2 | 34.3   | 35.6 |
| 36°   | 13.5  | 17.2 | 22.1   | 28.2 | 34.3   | 35.6 |
| 37°   | 12.3  | 17.2 | 22.1   | 28.2 | 34.3   | 35.6 |
| 38°   | 11.0  | 15.9 | 22.1   | 28.2 | 34.3   | 35.6 |
| 39°   | 11.0  | 15.9 | 20.8   | 28.2 | 33.1   | 35.6 |
| 40°   | 9.8   | 14.7 | 20.8   | 28.2 | 33.1   | 35.6 |
| 41°   | 8.6   | 14.7 | 20.8   | 27.0 | 33.1   | 35.6 |
| 42°   | 7.4   | 13.5 | 19.6   | 27.0 | 33.1   | 35.6 |
| 43°   | 6.1   | 13.5 | 19.6   | 27.0 | 33.1   | 35.6 |
| 44°   | 6.1   | 12.3 | 19.6   | 27.0 | 33.1   | 35.6 |
| 45°   | 4.9   | 12.3 | 19.6   | 27.0 | 33.1   | 35.6 |
| 46°   | 3.7   | 12.3 | 19.6   | 27.0 | 33.1   | 35.6 |
| 47°   | 3.7   | 11.0 | 18.4   | 27.0 | 33.1   | 35.6 |
| 48°   | 2.5   | 11.0 | 18.4   | 27.0 | 33.1   | 35.6 |
| 49°   | 2.5   | 11.0 | 18.4   | 27.0 | 33.1   | 36.8 |
| 50°   | 2.5   | 11.0 | 18.4   | 25.8 | 33.1   | 36.8 |
| 51°   | 1.2   | 11.0 | 18.4   | 25.8 | 33.1   | 36.8 |
| 52°   | 1.2   | 11.0 | 17.2   | 25.8 | 34.3   | 36.8 |
| 53°   | 1.2   | 9.8  | 17.2   | 25.8 | 34.3   | 36.8 |
| 54°   | 1.2   | 9.8  | 17.2   | 25.8 | 34.3   | 35.6 |
| 55°   | 1.2   | 9.8  | 17.2   | 25.8 | 33.1   | 35.6 |
| 56°   | 1.2   | 8.6  | 17.2   | 25.8 | 33.1   | 35.6 |
| 57°   | 1.2   | 8.6  | 15.9   | 24.5 | 33.1   | 34.3 |
| 58°   | 1.2   | 8.6  | 15.9   | 24.5 | 33.1   | 34.3 |
| 59°   | 1.2   | 8.6  | 15.9   | 24.5 | 31.9   | 34.3 |
| 60°   | 2.5   | 7.4  | 14.7   | 23.3 | 31.9   | 34.3 |
| 62.5° | 2.5   | 7.4  | 14.7   | 23.3 | 30.7   | 33.1 |
| 65°   | 2.5   | 7.4  | 13.5   | 22.1 | 30.7   | 33.1 |



TEST NUMBER: P1318107

CATALOG NUMBER: P3SQAS17R209835DE010 E3SQCA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 2.5   | 6.1 | 12.3   | 20.8 | 29.4   | 31.9 |
| 70°   | 2.5   | 7.4 | 12.3   | 19.6 | 28.2   | 30.7 |
| 72.5° | 3.7   | 6.1 | 11.0   | 18.4 | 27.0   | 29.4 |
| 75°   | 3.7   | 6.1 | 11.0   | 17.2 | 25.8   | 27.0 |
| 77.5° | 4.9   | 6.1 | 9.8    | 14.7 | 23.3   | 24.5 |
| 80°   | 4.9   | 6.1 | 8.6    | 12.3 | 19.6   | 20.8 |
| 82.5° | 4.9   | 6.1 | 6.1    | 9.8  | 14.7   | 15.9 |
| 85°   | 3.7   | 4.9 | 4.9    | 6.1  | 9.8    | 11.0 |
| 87.5° | 3.7   | 4.9 | 3.7    | 2.5  | 4.9    | 4.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)