

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: P1318268

Luminaire Tested: P3SQAS20R259835D010 E3SQCA451MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318268  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-75)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R259835D010 E3SQCA451MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

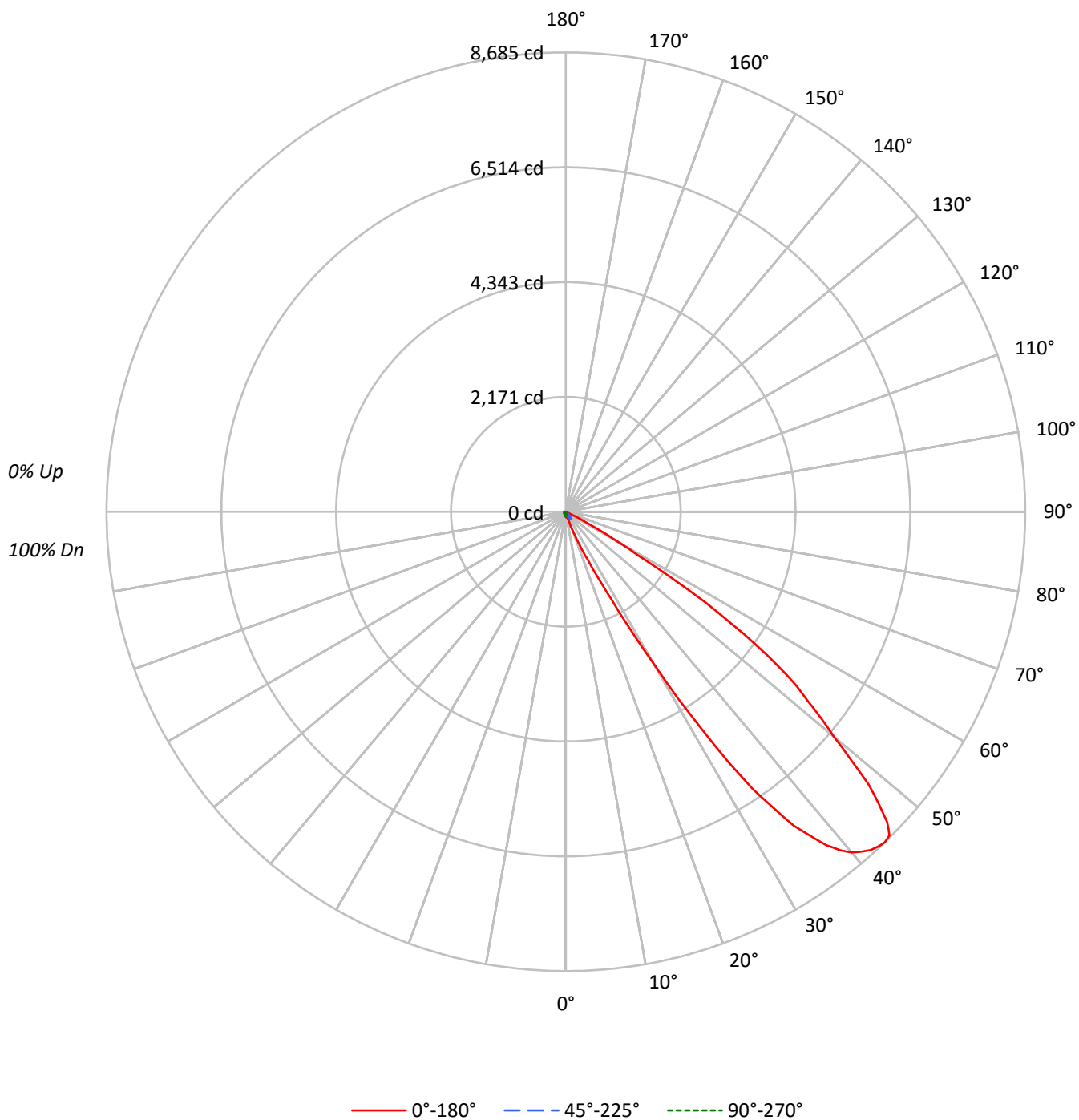
Lumens per Lamp: N/A  
Luminaire Lumens: 1811.0 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.61 / 1.37  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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: P1318268

CATALOG NUMBER: P3SQAS20R259835D010 E3SQCA451MW

### Luminous Intensity Polar Plot



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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  | 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  | 64  | 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  | 39  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 39  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 29  |    |    |
| 8   | 57  | 43  | 34  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 32  | 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  | 20  | 31  | 24  | 19  | 30  | 24  | 19  | 17  |    |    |

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

|     | 0°      | 45°   | 90°   | 135°  | 180°  |
|-----|---------|-------|-------|-------|-------|
| 0°  | 15913   | 15913 | 15913 | 15913 | 15913 |
| 5°  | 18187   | 17357 | 15421 | 13779 | 13502 |
| 10° | 18118   | 16439 | 13098 | 11420 | 11420 |
| 15° | 20166   | 14210 | 10234 | 9664  | 10234 |
| 20° | 71258   | 14021 | 7881  | 8174  | 9054  |
| 25° | 205020  | 17863 | 6366  | 7563  | 8779  |
| 30° | 654129  | 27563 | 5071  | 7298  | 8869  |
| 35° | 1432694 | 32504 | 4352  | 7043  | 9041  |
| 40° | 1889933 | 29384 | 3575  | 7172  | 9667  |
| 45° | 2107643 | 20581 | 3483  | 7770  | 10473 |
| 50° | 1774131 | 10664 | 3403  | 8118  | 11521 |
| 55° | 1326433 | 4294  | 3363  | 9098  | 12911 |
| 60° | 410579  | 1102  | 3307  | 9886  | 14260 |
| 65° | 35087   | 0     | 3912  | 10392 | 15567 |
| 70° | 2417    | 806   | 4028  | 12035 | 17674 |
| 75° | 2129    | 1065  | 5323  | 12709 | 20162 |
| 80° | 1587    | 1587  | 7934  | 14183 | 23704 |
| 85° | 3162    | 3162  | 12647 | 15808 | 25096 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2107643 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 8.3    | 0.5       |
| 10°-20°   | 21.3   | 1.2       |
| 20°-30°   | 100.2  | 5.5       |
| 30°-40°   | 482.4  | 26.6      |
| 40°-50°   | 756.1  | 41.8      |
| 50°-60°   | 387.6  | 21.4      |
| 60°-70°   | 36.6   | 2.0       |
| 70°-80°   | 12.3   | 0.7       |
| 80°-90°   | 6.2    | 0.3       |
| 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°    | 129.8  | 7.2       |
| 0°-40°    | 612.2  | 33.8      |
| 0°-60°    | 1755.9 | 97.0      |
| 0°-90°    | 1811.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1811.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 92   | 92  | 92  | 92   | 92   |      |
| 5°  | 105  | 100 | 89  | 80   | 78   | 10   |
| 15° | 113  | 80  | 57  | 54   | 57   | 48   |
| 25° | 1079 | 94  | 34  | 40   | 46   | 669  |
| 35° | 6814 | 155 | 21  | 34   | 43   | 4137 |
| 45° | 8654 | 84  | 14  | 32   | 43   | 6332 |
| 55° | 4418 | 14  | 11  | 30   | 43   | 3678 |
| 65° | 86   | 0   | 10  | 26   | 38   | 270  |
| 75° | 3    | 2   | 8   | 19   | 30   | 4    |
| 85° | 2    | 2   | 6   | 8    | 13   | 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°    | 92.4   | 92.4   | 92.4   | 92.4   | 92.4   | 92.4   | 92.4   | 92.4   | 92.4   | 92.4   | 92.4  |
| 2.5°  | 100.4  | 100.4  | 100.4  | 100.4  | 100.4  | 100.4  | 98.8   | 98.8   | 100.4  | 98.8   | 98.8  |
| 5°    | 105.2  | 105.2  | 105.2  | 105.2  | 105.2  | 105.2  | 105.2  | 103.6  | 103.6  | 103.6  | 100.4 |
| 7.5°  | 106.8  | 105.2  | 105.2  | 105.2  | 105.2  | 105.2  | 105.2  | 105.2  | 103.6  | 103.6  | 98.8  |
| 10°   | 103.6  | 103.6  | 103.6  | 103.6  | 102.0  | 102.0  | 102.0  | 100.4  | 100.4  | 100.4  | 94.0  |
| 12.5° | 103.6  | 103.6  | 103.6  | 103.6  | 102.0  | 102.0  | 100.4  | 100.4  | 98.8   | 97.2   | 86.1  |
| 15°   | 113.1  | 113.1  | 113.1  | 111.6  | 110.0  | 108.4  | 106.8  | 105.2  | 103.6  | 100.4  | 79.7  |
| 17.5° | 165.7  | 161.0  | 159.4  | 153.0  | 145.0  | 137.1  | 130.7  | 124.3  | 117.9  | 113.1  | 76.5  |
| 20°   | 388.8  | 387.3  | 379.3  | 360.2  | 339.4  | 315.5  | 291.6  | 264.5  | 226.3  | 200.8  | 76.5  |
| 22.5° | 674.1  | 664.5  | 650.2  | 635.9  | 599.2  | 556.2  | 511.6  | 460.6  | 411.2  | 358.6  | 81.3  |
| 25°   | 1078.9 | 1101.2 | 1053.4 | 1015.1 | 951.4  | 873.3  | 788.9  | 718.7  | 629.5  | 546.6  | 94.0  |
| 27.5° | 1875.7 | 1890.1 | 1796.0 | 1671.7 | 1523.5 | 1359.4 | 1200.0 | 1080.5 | 930.7  | 793.6  | 117.9 |
| 30°   | 3289.3 | 3303.6 | 3145.8 | 2881.3 | 2575.3 | 2306.0 | 1941.1 | 1620.7 | 1325.9 | 1098.0 | 138.6 |
| 31°   | 4105.2 | 3993.7 | 3810.4 | 3553.8 | 3166.6 | 2760.2 | 2321.9 | 1934.7 | 1561.8 | 1262.2 | 145.0 |
| 32°   | 4814.4 | 4804.8 | 4591.3 | 4202.4 | 3813.6 | 3311.6 | 2768.1 | 2263.0 | 1805.6 | 1427.9 | 149.8 |
| 33°   | 5651.0 | 5587.3 | 5286.1 | 4919.6 | 4404.8 | 3899.6 | 3198.4 | 2621.5 | 2055.8 | 1612.8 | 153.0 |
| 34°   | 6322.0 | 6149.8 | 6025.5 | 5606.4 | 5063.0 | 4419.2 | 3668.6 | 3000.8 | 2368.1 | 1791.2 | 154.6 |
| 35°   | 6814.4 | 6777.7 | 6535.5 | 6145.1 | 5592.1 | 4933.9 | 4175.3 | 3394.4 | 2629.5 | 1998.4 | 154.6 |
| 36°   | 7335.5 | 7222.4 | 6986.5 | 6632.7 | 6094.1 | 5413.6 | 4562.6 | 3735.5 | 2933.9 | 2184.9 | 153.0 |
| 37°   | 7662.2 | 7595.3 | 7361.0 | 6996.1 | 6468.6 | 5818.4 | 4996.1 | 4095.6 | 3176.1 | 2371.3 | 149.8 |
| 38°   | 7998.5 | 7863.0 | 7631.9 | 7282.9 | 6765.0 | 6154.6 | 5310.0 | 4372.9 | 3399.2 | 2535.5 | 145.0 |
| 39°   | 8231.1 | 8090.9 | 7855.0 | 7507.6 | 7000.8 | 6395.3 | 5558.6 | 4608.8 | 3593.7 | 2658.2 | 138.6 |
| 40°   | 8406.4 | 8271.0 | 8031.9 | 7675.0 | 7174.6 | 6584.9 | 5765.8 | 4817.6 | 3756.2 | 2765.0 | 130.7 |
| 41°   | 8514.8 | 8388.9 | 8151.5 | 7796.1 | 7294.1 | 6693.3 | 5901.2 | 4953.0 | 3866.2 | 2836.7 | 122.7 |
| 42°   | 8605.6 | 8476.6 | 8234.3 | 7871.0 | 7367.4 | 6785.7 | 5984.1 | 5039.1 | 3941.1 | 2873.3 | 116.3 |
| 43°   | 8656.6 | 8527.6 | 8291.7 | 7920.4 | 7412.0 | 6828.7 | 6028.7 | 5078.9 | 3966.6 | 2868.5 | 105.2 |
| 44°   | 8685.3 | 8551.5 | 8314.0 | 7942.7 | 7431.1 | 6839.9 | 6031.9 | 5071.0 | 3949.0 | 2830.3 | 95.6  |
| 45°   | 8653.5 | 8521.2 | 8291.7 | 7920.4 | 7397.7 | 6804.8 | 6000.0 | 5027.9 | 3882.1 | 2755.4 | 84.5  |
| 46°   | 8446.3 | 8344.3 | 8133.9 | 7792.9 | 7292.5 | 6715.6 | 5918.8 | 4945.1 | 3778.5 | 2663.0 | 71.7  |
| 47°   | 8081.3 | 8000.1 | 7796.1 | 7542.7 | 7090.1 | 6551.4 | 5769.0 | 4787.3 | 3633.5 | 2524.3 | 57.4  |
| 48°   | 7700.5 | 7580.9 | 7391.3 | 7131.5 | 6749.1 | 6256.6 | 5522.0 | 4556.2 | 3413.6 | 2342.6 | 51.0  |
| 49°   | 7137.9 | 7067.8 | 6900.4 | 6610.4 | 6293.3 | 5859.8 | 5172.9 | 4259.8 | 3144.2 | 2145.0 | 44.6  |
| 50°   | 6621.6 | 6573.8 | 6339.5 | 6125.9 | 5789.7 | 5384.9 | 4699.6 | 3869.4 | 2809.6 | 1899.6 | 39.8  |
| 51°   | 6218.4 | 6161.0 | 5992.1 | 5725.9 | 5367.4 | 4897.2 | 4251.8 | 3362.6 | 2425.5 | 1608.0 | 31.9  |
| 52°   | 5797.7 | 5765.8 | 5616.0 | 5341.9 | 4989.7 | 4521.1 | 3816.8 | 2932.3 | 2052.6 | 1359.4 | 25.5  |
| 53°   | 5453.4 | 5407.2 | 5223.9 | 4980.1 | 4599.2 | 4114.8 | 3345.0 | 2532.3 | 1738.7 | 1142.6 | 22.3  |
| 54°   | 4951.4 | 4932.3 | 4814.4 | 4559.4 | 4146.6 | 3619.2 | 2918.0 | 2132.3 | 1450.2 | 968.9  | 19.1  |
| 55°   | 4417.6 | 4353.8 | 4234.3 | 4031.9 | 3652.6 | 3160.2 | 2423.9 | 1767.3 | 1172.9 | 815.9  | 14.3  |
| 56°   | 3767.4 | 3764.2 | 3550.6 | 3381.7 | 3045.4 | 2522.7 | 1936.3 | 1380.1 | 953.0  | 680.5  | 12.7  |
| 57°   | 3145.8 | 3045.4 | 2839.9 | 2672.5 | 2310.8 | 1914.0 | 1437.5 | 1034.3 | 745.8  | 551.4  | 9.6   |
| 58°   | 2326.7 | 2274.1 | 2219.9 | 1974.5 | 1639.9 | 1356.2 | 1026.3 | 726.7  | 551.4  | 420.7  | 6.4   |
| 59°   | 1579.3 | 1577.7 | 1514.0 | 1327.5 | 1134.7 | 844.6  | 640.6  | 494.0  | 379.3  | 309.2  | 4.8   |
| 60°   | 1192.0 | 1163.4 | 1035.9 | 913.2  | 713.9  | 533.9  | 379.3  | 291.6  | 235.9  | 199.2  | 3.2   |
| 62.5° | 417.5  | 433.5  | 380.9  | 315.5  | 240.6  | 197.6  | 151.4  | 122.7  | 100.4  | 81.3   | 0.0   |
| 65°   | 86.1   | 94.0   | 81.3   | 76.5   | 60.6   | 52.6   | 46.2   | 39.8   | 33.5   | 28.7   | 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° | 11.2 | 9.6  | 9.6 | 9.6  | 8.0 | 8.0   | 8.0 | 8.0   | 6.4 | 6.4   | 1.6 |
| 70°   | 4.8  | 4.8  | 4.8 | 4.8  | 4.8 | 4.8   | 3.2 | 3.2   | 3.2 | 3.2   | 1.6 |
| 72.5° | 4.8  | 4.8  | 4.8 | 3.2  | 3.2 | 3.2   | 3.2 | 3.2   | 3.2 | 1.6   | 1.6 |
| 75°   | 3.2  | 3.2  | 3.2 | 3.2  | 3.2 | 3.2   | 3.2 | 1.6   | 1.6 | 1.6   | 1.6 |
| 77.5° | 3.2  | 3.2  | 3.2 | 3.2  | 3.2 | 3.2   | 1.6 | 1.6   | 1.6 | 1.6   | 1.6 |
| 80°   | 1.6  | 1.6  | 1.6 | 1.6  | 1.6 | 1.6   | 1.6 | 1.6   | 1.6 | 1.6   | 1.6 |
| 82.5° | 1.6  | 1.6  | 1.6 | 1.6  | 1.6 | 1.6   | 1.6 | 1.6   | 1.6 | 1.6   | 3.2 |
| 85°   | 1.6  | 1.6  | 1.6 | 0.0  | 0.0 | 1.6   | 1.6 | 1.6   | 1.6 | 1.6   | 1.6 |
| 87.5° | 0.0  | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 1.6 |
| 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°    | 92.4  | 92.4 | 92.4   | 92.4 | 92.4   | 92.4 |
| 2.5°  | 97.2  | 94.0 | 89.2   | 87.7 | 86.1   | 86.1 |
| 5°    | 95.6  | 89.2 | 84.5   | 79.7 | 78.1   | 78.1 |
| 7.5°  | 90.8  | 82.9 | 76.5   | 73.3 | 71.7   | 70.1 |
| 10°   | 86.1  | 74.9 | 68.5   | 65.3 | 65.3   | 65.3 |
| 12.5° | 76.5  | 66.9 | 60.6   | 59.0 | 60.6   | 60.6 |
| 15°   | 68.5  | 57.4 | 54.2   | 54.2 | 55.8   | 57.4 |
| 17.5° | 59.0  | 51.0 | 47.8   | 49.4 | 51.0   | 52.6 |
| 20°   | 52.6  | 43.0 | 43.0   | 44.6 | 49.4   | 49.4 |
| 22.5° | 46.2  | 38.2 | 38.2   | 43.0 | 46.2   | 47.8 |
| 25°   | 41.4  | 33.5 | 35.1   | 39.8 | 44.6   | 46.2 |
| 27.5° | 35.1  | 28.7 | 31.9   | 38.2 | 43.0   | 44.6 |
| 30°   | 30.3  | 25.5 | 30.3   | 36.7 | 41.4   | 44.6 |
| 31°   | 28.7  | 23.9 | 30.3   | 35.1 | 41.4   | 44.6 |
| 32°   | 25.5  | 23.9 | 28.7   | 35.1 | 41.4   | 43.0 |
| 33°   | 23.9  | 22.3 | 28.7   | 35.1 | 41.4   | 43.0 |
| 34°   | 22.3  | 20.7 | 27.1   | 35.1 | 41.4   | 43.0 |
| 35°   | 19.1  | 20.7 | 27.1   | 33.5 | 39.8   | 43.0 |
| 36°   | 17.5  | 19.1 | 27.1   | 33.5 | 39.8   | 43.0 |
| 37°   | 15.9  | 19.1 | 25.5   | 33.5 | 39.8   | 43.0 |
| 38°   | 14.3  | 17.5 | 25.5   | 33.5 | 39.8   | 43.0 |
| 39°   | 12.7  | 17.5 | 23.9   | 33.5 | 39.8   | 43.0 |
| 40°   | 11.2  | 15.9 | 23.9   | 31.9 | 39.8   | 43.0 |
| 41°   | 11.2  | 15.9 | 23.9   | 31.9 | 39.8   | 43.0 |
| 42°   | 9.6   | 15.9 | 23.9   | 31.9 | 39.8   | 43.0 |
| 43°   | 8.0   | 14.3 | 23.9   | 31.9 | 39.8   | 43.0 |
| 44°   | 6.4   | 14.3 | 22.3   | 31.9 | 39.8   | 43.0 |
| 45°   | 6.4   | 14.3 | 22.3   | 31.9 | 39.8   | 43.0 |
| 46°   | 4.8   | 12.7 | 22.3   | 31.9 | 39.8   | 43.0 |
| 47°   | 3.2   | 12.7 | 22.3   | 30.3 | 39.8   | 43.0 |
| 48°   | 3.2   | 12.7 | 22.3   | 30.3 | 39.8   | 43.0 |
| 49°   | 3.2   | 12.7 | 20.7   | 30.3 | 39.8   | 43.0 |
| 50°   | 3.2   | 12.7 | 20.7   | 30.3 | 39.8   | 43.0 |
| 51°   | 1.6   | 11.2 | 20.7   | 30.3 | 39.8   | 43.0 |
| 52°   | 1.6   | 11.2 | 20.7   | 30.3 | 39.8   | 44.6 |
| 53°   | 1.6   | 11.2 | 20.7   | 30.3 | 39.8   | 43.0 |
| 54°   | 1.6   | 11.2 | 19.1   | 30.3 | 39.8   | 43.0 |
| 55°   | 1.6   | 11.2 | 19.1   | 30.3 | 39.8   | 43.0 |
| 56°   | 1.6   | 9.6  | 19.1   | 28.7 | 39.8   | 43.0 |
| 57°   | 3.2   | 9.6  | 19.1   | 28.7 | 39.8   | 41.4 |
| 58°   | 3.2   | 9.6  | 19.1   | 28.7 | 38.2   | 41.4 |
| 59°   | 3.2   | 9.6  | 19.1   | 28.7 | 38.2   | 41.4 |
| 60°   | 3.2   | 9.6  | 17.5   | 28.7 | 38.2   | 41.4 |
| 62.5° | 3.2   | 9.6  | 17.5   | 27.1 | 36.7   | 39.8 |
| 65°   | 3.2   | 9.6  | 15.9   | 25.5 | 36.7   | 38.2 |



TEST NUMBER: P1318268

CATALOG NUMBER: P3SQAS20R259835D010 E3SQCA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 3.2   | 8.0 | 15.9   | 23.9 | 35.1   | 36.7 |
| 70°   | 4.8   | 8.0 | 14.3   | 23.9 | 33.5   | 35.1 |
| 72.5° | 4.8   | 8.0 | 14.3   | 20.7 | 30.3   | 33.5 |
| 75°   | 4.8   | 8.0 | 12.7   | 19.1 | 28.7   | 30.3 |
| 77.5° | 4.8   | 8.0 | 11.2   | 17.5 | 25.5   | 27.1 |
| 80°   | 6.4   | 8.0 | 9.6    | 14.3 | 22.3   | 23.9 |
| 82.5° | 6.4   | 8.0 | 8.0    | 11.2 | 17.5   | 19.1 |
| 85°   | 4.8   | 6.4 | 6.4    | 8.0  | 11.2   | 12.7 |
| 87.5° | 4.8   | 6.4 | 4.8    | 3.2  | 6.4    | 6.4  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)