

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: P1340872

Luminaire Tested: P3A09R259030D2WDE010 E3CA451MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1340872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-75)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R259030D2WDE010 E3CA451MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,  
E3CA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

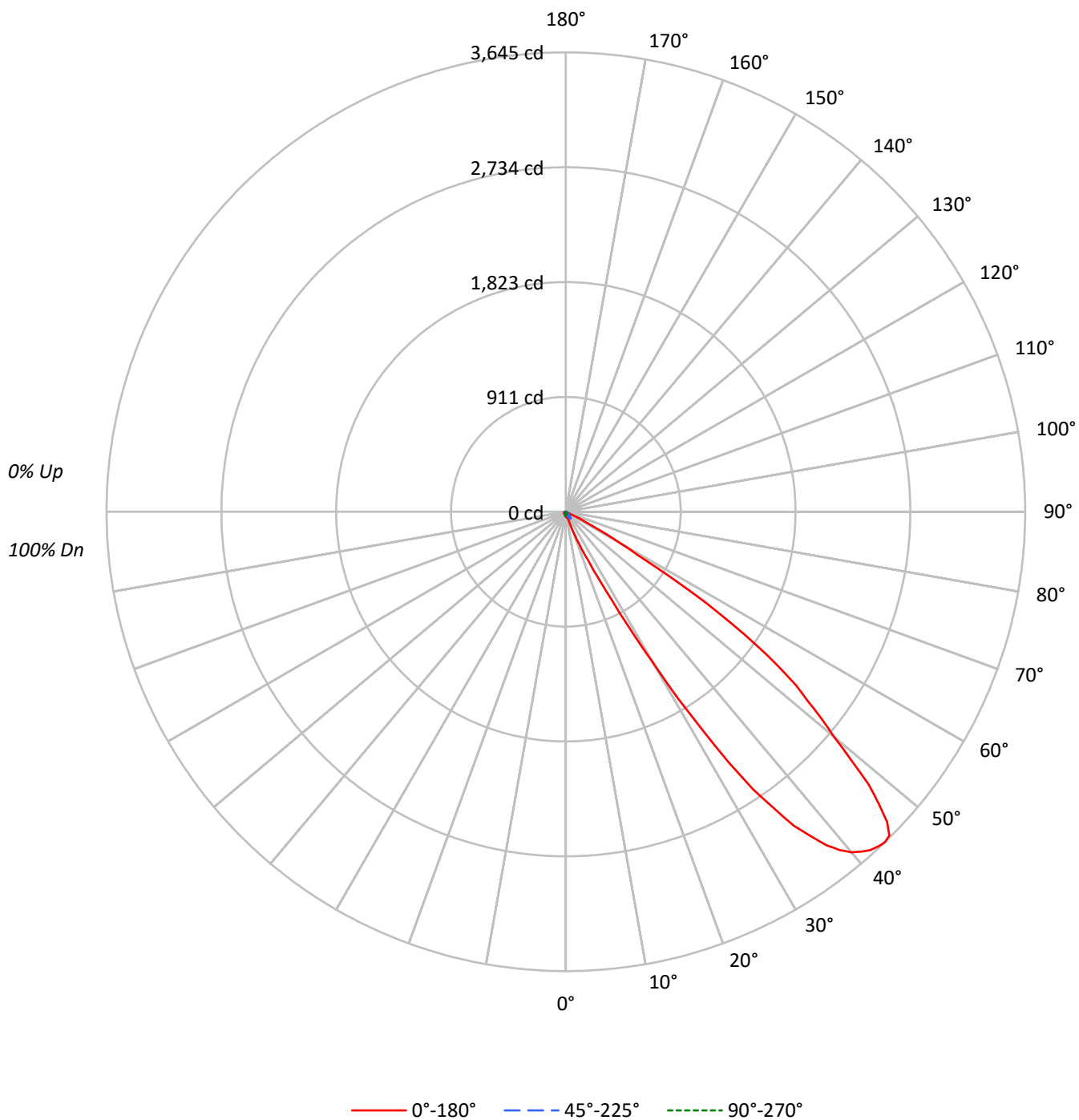
Lumens per Lamp: N/A  
Luminaire Lumens: 760.0 lumens  
Efficiency: N/A  
Efficacy: 51.7 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.7  
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

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### Luminous Intensity Polar Plot



TEST NUMBER: P1340872

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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°  | 8508    | 8508  | 8508 | 8508 | 8508  |
| 5°  | 9707    | 9267  | 8254 | 7352 | 7220  |
| 10° | 9686    | 8795  | 6992 | 6101 | 6101  |
| 15° | 10783   | 7582  | 5471 | 5153 | 5471  |
| 20° | 38083   | 7491  | 4224 | 4364 | 4830  |
| 25° | 109555  | 9557  | 3387 | 4041 | 4694  |
| 30° | 349522  | 14736 | 2709 | 3899 | 4735  |
| 35° | 765520  | 17373 | 2329 | 3748 | 4845  |
| 40° | 1009835 | 15687 | 1918 | 3836 | 5181  |
| 45° | 1126163 | 10978 | 1861 | 4155 | 5613  |
| 50° | 947960  | 5697  | 1842 | 4332 | 6175  |
| 55° | 708754  | 2294  | 1797 | 4855 | 6920  |
| 60° | 219368  | 570   | 1754 | 5263 | 7631  |
| 65° | 18731   | 0     | 2075 | 5552 | 8354  |
| 70° | 1282    | 449   | 2116 | 6411 | 9425  |
| 75° | 1101    | 593   | 2796 | 6778 | 10760 |
| 80° | 884     | 884   | 4167 | 7577 | 12628 |
| 85° | 1761    | 1761  | 6793 | 8303 | 13586 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1126163 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.5    | 0.5       |
| 10°-20°   | 9.0    | 1.2       |
| 20°-30°   | 42.0   | 5.5       |
| 30°-40°   | 202.4  | 26.6      |
| 40°-50°   | 317.3  | 41.8      |
| 50°-60°   | 162.7  | 21.4      |
| 60°-70°   | 15.3   | 2.0       |
| 70°-80°   | 5.2    | 0.7       |
| 80°-90°   | 2.6    | 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°    | 54.5   | 7.2       |
| 0°-40°    | 256.9  | 33.8      |
| 0°-60°    | 736.9  | 97.0      |
| 0°-90°    | 760.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 760.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 39   | 39  | 39  | 39   | 39   |      |
| 5°  | 44   | 42  | 38  | 33   | 33   | 4    |
| 15° | 48   | 33  | 24  | 23   | 24   | 20   |
| 25° | 453  | 40  | 14  | 17   | 19   | 281  |
| 35° | 2860 | 65  | 9   | 14   | 18   | 1736 |
| 45° | 3632 | 35  | 6   | 13   | 18   | 2657 |
| 55° | 1854 | 6   | 5   | 13   | 18   | 1543 |
| 65° | 36   | 0   | 4   | 11   | 16   | 113  |
| 75° | 1    | 1   | 3   | 8    | 13   | 2    |
| 85° | 1    | 1   | 3   | 3    | 5    | 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°    | 38.8   | 38.8   | 38.8   | 38.8   | 38.8   | 38.8   | 38.8   | 38.8   | 38.8   | 38.8   | 38.8 |
| 2.5°  | 42.1   | 42.1   | 42.1   | 42.1   | 42.1   | 42.1   | 41.5   | 41.5   | 42.1   | 41.5   | 41.5 |
| 5°    | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 43.5   | 43.5   | 43.5   | 42.1 |
| 7.5°  | 44.8   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 43.5   | 43.5   | 41.5 |
| 10°   | 43.5   | 43.5   | 43.5   | 43.5   | 42.8   | 42.8   | 42.8   | 42.1   | 42.1   | 42.1   | 39.5 |
| 12.5° | 43.5   | 43.5   | 43.5   | 43.5   | 42.8   | 42.8   | 42.1   | 42.1   | 41.5   | 40.8   | 36.1 |
| 15°   | 47.5   | 47.5   | 47.5   | 46.8   | 46.1   | 45.5   | 44.8   | 44.1   | 43.5   | 42.1   | 33.4 |
| 17.5° | 69.6   | 67.5   | 66.9   | 64.2   | 60.9   | 57.5   | 54.8   | 52.2   | 49.5   | 47.5   | 32.1 |
| 20°   | 163.2  | 162.5  | 159.2  | 151.1  | 142.5  | 132.4  | 122.4  | 111.0  | 95.0   | 84.3   | 32.1 |
| 22.5° | 282.9  | 278.9  | 272.9  | 266.8  | 251.5  | 233.4  | 214.7  | 193.3  | 172.5  | 150.5  | 34.1 |
| 25°   | 452.8  | 462.1  | 442.1  | 426.0  | 399.3  | 366.5  | 331.0  | 301.6  | 264.2  | 229.4  | 39.5 |
| 27.5° | 787.2  | 793.2  | 753.7  | 701.6  | 639.4  | 570.5  | 503.6  | 453.4  | 390.6  | 333.1  | 49.5 |
| 30°   | 1380.4 | 1386.4 | 1320.2 | 1209.2 | 1080.8 | 967.7  | 814.6  | 680.2  | 556.4  | 460.8  | 58.2 |
| 31°   | 1722.8 | 1676.0 | 1599.1 | 1491.4 | 1328.9 | 1158.3 | 974.4  | 811.9  | 655.4  | 529.7  | 60.9 |
| 32°   | 2020.4 | 2016.4 | 1926.8 | 1763.6 | 1600.4 | 1389.7 | 1161.7 | 949.7  | 757.7  | 599.2  | 62.9 |
| 33°   | 2371.5 | 2344.8 | 2218.4 | 2064.5 | 1848.5 | 1636.5 | 1342.2 | 1100.1 | 862.7  | 676.8  | 64.2 |
| 34°   | 2653.1 | 2580.8 | 2528.7 | 2352.8 | 2124.7 | 1854.5 | 1539.5 | 1259.3 | 993.8  | 751.7  | 64.9 |
| 35°   | 2859.7 | 2844.3 | 2742.7 | 2578.8 | 2346.8 | 2070.5 | 1752.2 | 1424.5 | 1103.5 | 838.7  | 64.9 |
| 36°   | 3078.4 | 3030.9 | 2931.9 | 2783.5 | 2557.4 | 2271.9 | 1914.7 | 1567.6 | 1231.2 | 916.9  | 64.2 |
| 37°   | 3215.5 | 3187.4 | 3089.1 | 2936.0 | 2714.6 | 2441.7 | 2096.6 | 1718.8 | 1332.9 | 995.1  | 62.9 |
| 38°   | 3356.6 | 3299.8 | 3202.8 | 3056.3 | 2839.0 | 2582.8 | 2228.4 | 1835.1 | 1426.5 | 1064.0 | 60.9 |
| 39°   | 3454.3 | 3395.4 | 3296.4 | 3150.6 | 2938.0 | 2683.8 | 2332.7 | 1934.1 | 1508.1 | 1115.5 | 58.2 |
| 40°   | 3527.8 | 3471.0 | 3370.7 | 3220.9 | 3010.9 | 2763.4 | 2419.7 | 2021.7 | 1576.3 | 1160.3 | 54.8 |
| 41°   | 3573.3 | 3520.5 | 3420.8 | 3271.7 | 3061.0 | 2808.9 | 2476.5 | 2078.6 | 1622.5 | 1190.4 | 51.5 |
| 42°   | 3611.4 | 3557.3 | 3455.6 | 3303.1 | 3091.8 | 2847.7 | 2511.3 | 2114.7 | 1653.9 | 1205.8 | 48.8 |
| 43°   | 3632.8 | 3578.7 | 3479.7 | 3323.8 | 3110.5 | 2865.7 | 2530.0 | 2131.4 | 1664.6 | 1203.8 | 44.1 |
| 44°   | 3644.9 | 3588.7 | 3489.0 | 3333.2 | 3118.5 | 2870.4 | 2531.3 | 2128.1 | 1657.2 | 1187.8 | 40.1 |
| 45°   | 3631.5 | 3576.0 | 3479.7 | 3323.8 | 3104.5 | 2855.7 | 2518.0 | 2110.0 | 1629.2 | 1156.3 | 35.4 |
| 46°   | 3544.5 | 3501.7 | 3413.5 | 3270.3 | 3060.3 | 2818.2 | 2483.9 | 2075.2 | 1585.7 | 1117.5 | 30.1 |
| 47°   | 3391.4 | 3357.3 | 3271.7 | 3165.3 | 2975.4 | 2749.4 | 2421.0 | 2009.0 | 1524.8 | 1059.4 | 24.1 |
| 48°   | 3231.6 | 3181.4 | 3101.8 | 2992.8 | 2832.3 | 2625.6 | 2317.3 | 1912.0 | 1432.5 | 983.1  | 21.4 |
| 49°   | 2995.5 | 2966.0 | 2895.8 | 2774.1 | 2641.0 | 2459.1 | 2170.9 | 1787.7 | 1319.5 | 900.2  | 18.7 |
| 50°   | 2778.8 | 2758.7 | 2660.4 | 2570.8 | 2429.7 | 2259.8 | 1972.2 | 1623.8 | 1179.1 | 797.2  | 16.7 |
| 51°   | 2609.6 | 2585.5 | 2514.6 | 2402.9 | 2252.5 | 2055.2 | 1784.3 | 1411.1 | 1017.9 | 674.8  | 13.4 |
| 52°   | 2433.0 | 2419.7 | 2356.8 | 2241.8 | 2094.0 | 1897.3 | 1601.7 | 1230.6 | 861.4  | 570.5  | 10.7 |
| 53°   | 2288.6 | 2269.2 | 2192.3 | 2089.9 | 1930.1 | 1726.8 | 1403.8 | 1062.7 | 729.6  | 479.5  | 9.4  |
| 54°   | 2077.9 | 2069.9 | 2020.4 | 1913.4 | 1740.2 | 1518.8 | 1224.5 | 894.8  | 608.6  | 406.6  | 8.0  |
| 55°   | 1853.9 | 1827.1 | 1777.0 | 1692.0 | 1532.8 | 1326.2 | 1017.2 | 741.7  | 492.2  | 342.4  | 6.0  |
| 56°   | 1581.0 | 1579.7 | 1490.0 | 1419.2 | 1278.0 | 1058.7 | 812.6  | 579.2  | 399.9  | 285.6  | 5.4  |
| 57°   | 1320.2 | 1278.0 | 1191.8 | 1121.5 | 969.7  | 803.2  | 603.2  | 434.0  | 313.0  | 231.4  | 4.0  |
| 58°   | 976.4  | 954.4  | 931.6  | 828.6  | 688.2  | 569.1  | 430.7  | 305.0  | 231.4  | 176.6  | 2.7  |
| 59°   | 662.8  | 662.1  | 635.3  | 557.1  | 476.2  | 354.5  | 268.9  | 207.3  | 159.2  | 129.7  | 2.0  |
| 60°   | 500.2  | 488.2  | 434.7  | 383.2  | 299.6  | 224.0  | 159.2  | 122.4  | 99.0   | 83.6   | 1.3  |
| 62.5° | 175.2  | 181.9  | 159.8  | 132.4  | 101.0  | 82.9   | 63.5   | 51.5   | 42.1   | 34.1   | 0.0  |
| 65°   | 36.1   | 39.5   | 34.1   | 32.1   | 25.4   | 22.1   | 19.4   | 16.7   | 14.0   | 12.0   | 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° | 4.7 | 4.0  | 4.0 | 4.0  | 3.3 | 3.3   | 3.3 | 3.3   | 2.7 | 2.7   | 0.7 |
| 70°   | 2.0 | 2.0  | 2.0 | 2.0  | 2.0 | 2.0   | 1.3 | 1.3   | 1.3 | 1.3   | 0.7 |
| 72.5° | 2.0 | 2.0  | 2.0 | 1.3  | 1.3 | 1.3   | 1.3 | 1.3   | 1.3 | 0.7   | 0.7 |
| 75°   | 1.3 | 1.3  | 1.3 | 1.3  | 1.3 | 1.3   | 1.3 | 0.7   | 0.7 | 0.7   | 0.7 |
| 77.5° | 1.3 | 1.3  | 1.3 | 1.3  | 1.3 | 1.3   | 0.7 | 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   | 1.3 |
| 85°   | 0.7 | 0.7  | 0.7 | 0.0  | 0.0 | 0.7   | 0.7 | 0.7   | 0.7 | 0.7   | 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°    | 38.8  | 38.8 | 38.8   | 38.8 | 38.8   | 38.8 |
| 2.5°  | 40.8  | 39.5 | 37.5   | 36.8 | 36.1   | 36.1 |
| 5°    | 40.1  | 37.5 | 35.4   | 33.4 | 32.8   | 32.8 |
| 7.5°  | 38.1  | 34.8 | 32.1   | 30.8 | 30.1   | 29.4 |
| 10°   | 36.1  | 31.4 | 28.8   | 27.4 | 27.4   | 27.4 |
| 12.5° | 32.1  | 28.1 | 25.4   | 24.7 | 25.4   | 25.4 |
| 15°   | 28.8  | 24.1 | 22.7   | 22.7 | 23.4   | 24.1 |
| 17.5° | 24.7  | 21.4 | 20.1   | 20.7 | 21.4   | 22.1 |
| 20°   | 22.1  | 18.1 | 18.1   | 18.7 | 20.7   | 20.7 |
| 22.5° | 19.4  | 16.1 | 16.1   | 18.1 | 19.4   | 20.1 |
| 25°   | 17.4  | 14.0 | 14.7   | 16.7 | 18.7   | 19.4 |
| 27.5° | 14.7  | 12.0 | 13.4   | 16.1 | 18.1   | 18.7 |
| 30°   | 12.7  | 10.7 | 12.7   | 15.4 | 17.4   | 18.7 |
| 31°   | 12.0  | 10.0 | 12.7   | 14.7 | 17.4   | 18.7 |
| 32°   | 10.7  | 10.0 | 12.0   | 14.7 | 17.4   | 18.1 |
| 33°   | 10.0  | 9.4  | 12.0   | 14.7 | 17.4   | 18.1 |
| 34°   | 9.4   | 8.7  | 11.4   | 14.7 | 17.4   | 18.1 |
| 35°   | 8.0   | 8.7  | 11.4   | 14.0 | 16.7   | 18.1 |
| 36°   | 7.4   | 8.0  | 11.4   | 14.0 | 16.7   | 18.1 |
| 37°   | 6.7   | 8.0  | 10.7   | 14.0 | 16.7   | 18.1 |
| 38°   | 6.0   | 7.4  | 10.7   | 14.0 | 16.7   | 18.1 |
| 39°   | 5.4   | 7.4  | 10.0   | 14.0 | 16.7   | 18.1 |
| 40°   | 4.7   | 6.7  | 10.0   | 13.4 | 16.7   | 18.1 |
| 41°   | 4.7   | 6.7  | 10.0   | 13.4 | 16.7   | 18.1 |
| 42°   | 4.0   | 6.7  | 10.0   | 13.4 | 16.7   | 18.1 |
| 43°   | 3.3   | 6.0  | 10.0   | 13.4 | 16.7   | 18.1 |
| 44°   | 2.7   | 6.0  | 9.4    | 13.4 | 16.7   | 18.1 |
| 45°   | 2.7   | 6.0  | 9.4    | 13.4 | 16.7   | 18.1 |
| 46°   | 2.0   | 5.4  | 9.4    | 13.4 | 16.7   | 18.1 |
| 47°   | 1.3   | 5.4  | 9.4    | 12.7 | 16.7   | 18.1 |
| 48°   | 1.3   | 5.4  | 9.4    | 12.7 | 16.7   | 18.1 |
| 49°   | 1.3   | 5.4  | 8.7    | 12.7 | 16.7   | 18.1 |
| 50°   | 1.3   | 5.4  | 8.7    | 12.7 | 16.7   | 18.1 |
| 51°   | 0.7   | 4.7  | 8.7    | 12.7 | 16.7   | 18.1 |
| 52°   | 0.7   | 4.7  | 8.7    | 12.7 | 16.7   | 18.7 |
| 53°   | 0.7   | 4.7  | 8.7    | 12.7 | 16.7   | 18.1 |
| 54°   | 0.7   | 4.7  | 8.0    | 12.7 | 16.7   | 18.1 |
| 55°   | 0.7   | 4.7  | 8.0    | 12.7 | 16.7   | 18.1 |
| 56°   | 0.7   | 4.0  | 8.0    | 12.0 | 16.7   | 18.1 |
| 57°   | 1.3   | 4.0  | 8.0    | 12.0 | 16.7   | 17.4 |
| 58°   | 1.3   | 4.0  | 8.0    | 12.0 | 16.1   | 17.4 |
| 59°   | 1.3   | 4.0  | 8.0    | 12.0 | 16.1   | 17.4 |
| 60°   | 1.3   | 4.0  | 7.4    | 12.0 | 16.1   | 17.4 |
| 62.5° | 1.3   | 4.0  | 7.4    | 11.4 | 15.4   | 16.7 |
| 65°   | 1.3   | 4.0  | 6.7    | 10.7 | 15.4   | 16.1 |



TEST NUMBER: P1340872

CATALOG NUMBER: P3A09R259030D2WDE010 E3CA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.3   | 3.3 | 6.7    | 10.0 | 14.7   | 15.4 |
| 70°   | 2.0   | 3.3 | 6.0    | 10.0 | 14.0   | 14.7 |
| 72.5° | 2.0   | 3.3 | 6.0    | 8.7  | 12.7   | 14.0 |
| 75°   | 2.0   | 3.3 | 5.4    | 8.0  | 12.0   | 12.7 |
| 77.5° | 2.0   | 3.3 | 4.7    | 7.4  | 10.7   | 11.4 |
| 80°   | 2.7   | 3.3 | 4.0    | 6.0  | 9.4    | 10.0 |
| 82.5° | 2.7   | 3.3 | 3.3    | 4.7  | 7.4    | 8.0  |
| 85°   | 2.0   | 2.7 | 2.7    | 3.3  | 4.7    | 5.4  |
| 87.5° | 2.0   | 2.7 | 2.0    | 1.3  | 2.7    | 2.7  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)