

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: P1344402

Luminaire Tested: P3A13R259027DE010 E3CA451MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344402  
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: P3A13R259027DE010 E3CA451MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3CA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

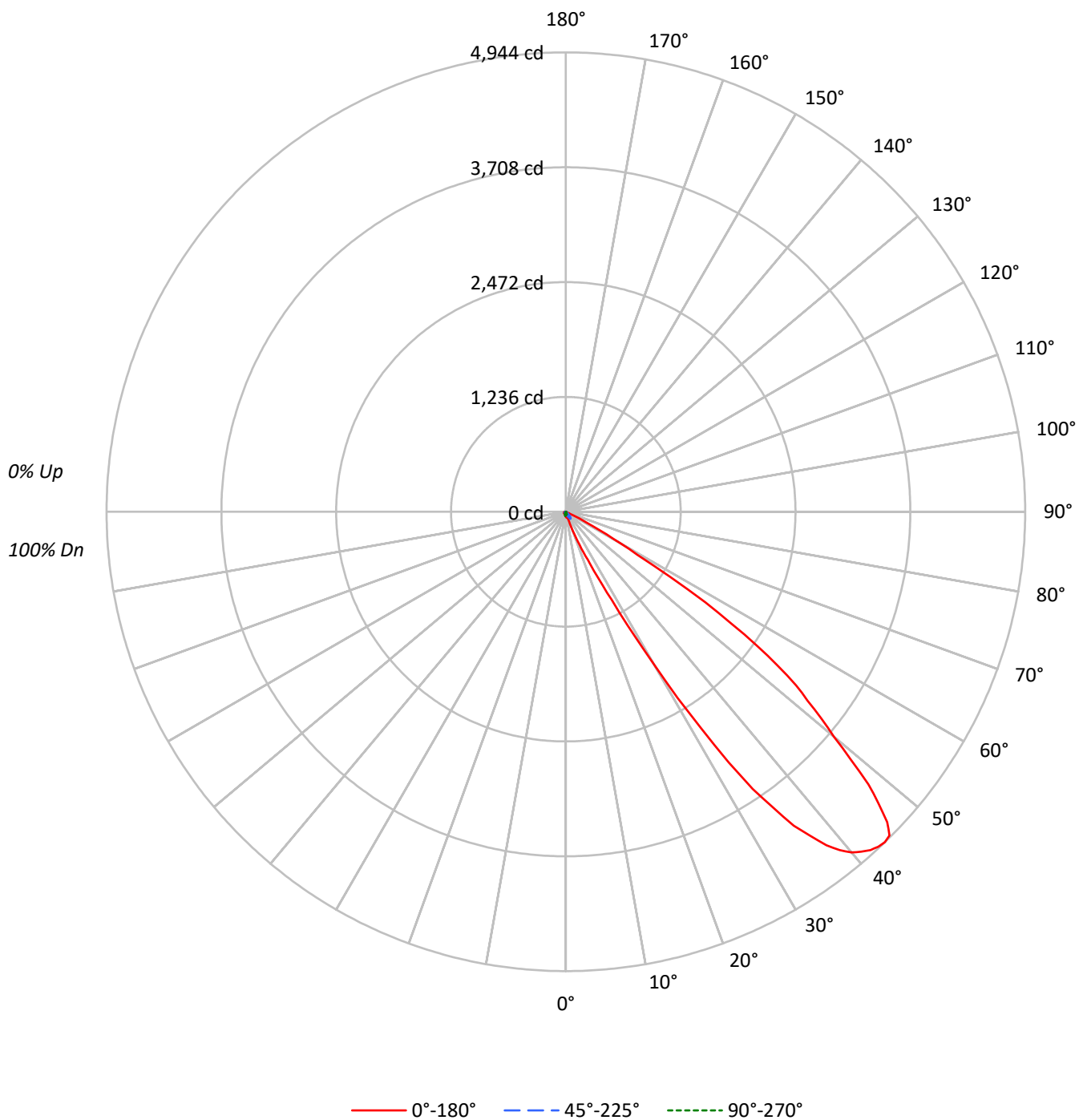
Lumens per Lamp: N/A  
Luminaire Lumens: 1031.0 lumens  
Efficiency: N/A  
Efficacy: 70.6 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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: P1344402

CATALOG NUMBER: P3A13R259027DE010 E3CA451MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1344402

CATALOG NUMBER: P3A13R259027DE010 E3CA451MW

**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 | 102 | 102 | 100 |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 97  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 91  | 89  | 89  | 89  | 87  |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 78  | 75  | 75  | 75  | 73  |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 64  | 72  | 67  | 63  | 63  | 63  | 61  |
| 4   | 83  | 71  | 62  | 56  | 81  | 70  | 62  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 53  | 53  | 53  | 51  |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 53  | 46  | 59  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 45  | 45  | 42  |
| 6   | 68  | 55  | 45  | 39  | 66  | 54  | 45  | 39  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 37  | 37  | 35  |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 39  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 32  | 32  | 29  |
| 8   | 57  | 43  | 34  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 32  | 27  | 27  | 27  | 25  |
| 9   | 52  | 38  | 29  | 23  | 51  | 37  | 29  | 23  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 27  | 23  | 23  | 23  | 21  |
| 10  | 48  | 34  | 25  | 20  | 47  | 33  | 25  | 20  | 32  | 25  | 20  | 31  | 24  | 19  | 30  | 24  | 19  | 19  | 19  | 17  |

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

|     | 0°      | 45°   | 90°   | 135°  | 180°  |
|-----|---------|-------|-------|-------|-------|
| 0°  | 11534   | 11534 | 11534 | 11534 | 11534 |
| 5°  | 13185   | 12591 | 11182 | 9993  | 9795  |
| 10° | 13137   | 11912 | 9485  | 8283  | 8283  |
| 15° | 14620   | 10307 | 7423  | 6992  | 7423  |
| 20° | 51664   | 10151 | 5717  | 5927  | 6557  |
| 25° | 148605  | 12944 | 4621  | 5492  | 6363  |
| 30° | 474149  | 19978 | 3671  | 5292  | 6431  |
| 35° | 1038485 | 23557 | 3159  | 5113  | 6558  |
| 40° | 1369938 | 21297 | 2605  | 5181  | 7013  |
| 45° | 1527724 | 14916 | 2543  | 5613  | 7598  |
| 50° | 1285962 | 7744  | 2490  | 5868  | 8358  |
| 55° | 961457  | 3135  | 2447  | 6576  | 9366  |
| 60° | 297608  | 789   | 2368  | 7149  | 10350 |
| 65° | 25424   | 0     | 2802  | 7524  | 11311 |
| 70° | 1731    | 577   | 2885  | 8719  | 12823 |
| 75° | 1525    | 763   | 3813  | 9235  | 14572 |
| 80° | 1137    | 1137  | 5683  | 10355 | 17174 |
| 85° | 2264    | 2264  | 9057  | 11322 | 18367 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1527724 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.7    | 0.5       |
| 10°-20°   | 12.2   | 1.2       |
| 20°-30°   | 57.0   | 5.5       |
| 30°-40°   | 274.6  | 26.6      |
| 40°-50°   | 430.5  | 41.8      |
| 50°-60°   | 220.7  | 21.4      |
| 60°-70°   | 20.8   | 2.0       |
| 70°-80°   | 7.0    | 0.7       |
| 80°-90°   | 3.5    | 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°    | 73.9   | 7.2       |
| 0°-40°    | 348.5  | 33.8      |
| 0°-60°    | 999.7  | 97.0      |
| 0°-90°    | 1031.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1031.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 53   | 53  | 53  | 53   | 53   |      |
| 5°  | 60   | 57  | 51  | 45   | 44   | 6    |
| 15° | 64   | 45  | 33  | 31   | 33   | 27   |
| 25° | 614  | 54  | 19  | 23   | 26   | 381  |
| 35° | 3879 | 88  | 12  | 19   | 24   | 2355 |
| 45° | 4926 | 48  | 8   | 18   | 24   | 3605 |
| 55° | 2515 | 8   | 6   | 17   | 24   | 2094 |
| 65° | 49   | 0   | 5   | 14   | 22   | 153  |
| 75° | 2    | 1   | 4   | 11   | 17   | 2    |
| 85° | 1    | 1   | 4   | 4    | 7    | 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°    | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6 |
| 2.5°  | 57.2   | 57.2   | 57.2   | 57.2   | 57.2   | 57.2   | 56.2   | 56.2   | 57.2   | 56.2   | 56.2 |
| 5°    | 59.9   | 59.9   | 59.9   | 59.9   | 59.9   | 59.9   | 59.9   | 59.0   | 59.0   | 59.0   | 57.2 |
| 7.5°  | 60.8   | 59.9   | 59.9   | 59.9   | 59.9   | 59.9   | 59.9   | 59.9   | 59.0   | 59.0   | 56.2 |
| 10°   | 59.0   | 59.0   | 59.0   | 59.0   | 58.1   | 58.1   | 58.1   | 57.2   | 57.2   | 57.2   | 53.5 |
| 12.5° | 59.0   | 59.0   | 59.0   | 59.0   | 58.1   | 58.1   | 57.2   | 57.2   | 56.2   | 55.3   | 49.0 |
| 15°   | 64.4   | 64.4   | 64.4   | 63.5   | 62.6   | 61.7   | 60.8   | 59.9   | 59.0   | 57.2   | 45.4 |
| 17.5° | 94.4   | 91.6   | 90.7   | 87.1   | 82.6   | 78.0   | 74.4   | 70.8   | 67.1   | 64.4   | 43.5 |
| 20°   | 221.4  | 220.5  | 215.9  | 205.0  | 193.2  | 179.6  | 166.0  | 150.6  | 128.8  | 114.3  | 43.5 |
| 22.5° | 383.8  | 378.3  | 370.2  | 362.0  | 341.1  | 316.6  | 291.2  | 262.2  | 234.1  | 204.1  | 46.3 |
| 25°   | 614.2  | 626.9  | 599.7  | 577.9  | 541.6  | 497.2  | 449.1  | 409.2  | 358.4  | 311.2  | 53.5 |
| 27.5° | 1067.8 | 1076.0 | 1022.5 | 951.7  | 867.3  | 773.9  | 683.2  | 615.1  | 529.8  | 451.8  | 67.1 |
| 30°   | 1872.6 | 1880.7 | 1790.9 | 1640.3 | 1466.1 | 1312.8 | 1105.0 | 922.7  | 754.8  | 625.1  | 78.9 |
| 31°   | 2337.1 | 2273.6 | 2169.2 | 2023.2 | 1802.7 | 1571.4 | 1321.9 | 1101.4 | 889.1  | 718.5  | 82.6 |
| 32°   | 2740.8 | 2735.4 | 2613.8 | 2392.4 | 2171.1 | 1885.3 | 1575.9 | 1288.3 | 1027.9 | 812.9  | 85.3 |
| 33°   | 3217.1 | 3180.8 | 3009.4 | 2800.7 | 2507.7 | 2220.1 | 1820.9 | 1492.4 | 1170.4 | 918.1  | 87.1 |
| 34°   | 3599.1 | 3501.1 | 3430.3 | 3191.7 | 2882.4 | 2515.8 | 2088.5 | 1708.4 | 1348.2 | 1019.8 | 88.0 |
| 35°   | 3879.4 | 3858.6 | 3720.7 | 3498.4 | 3183.6 | 2808.9 | 2377.0 | 1932.5 | 1497.0 | 1137.7 | 88.0 |
| 36°   | 4176.1 | 4111.7 | 3977.4 | 3776.0 | 3469.3 | 3081.9 | 2597.5 | 2126.6 | 1670.3 | 1243.8 | 87.1 |
| 37°   | 4362.1 | 4324.0 | 4190.6 | 3982.9 | 3682.6 | 3312.4 | 2844.2 | 2331.6 | 1808.2 | 1350.0 | 85.3 |
| 38°   | 4553.5 | 4476.4 | 4344.8 | 4146.2 | 3851.3 | 3503.8 | 3023.0 | 2489.5 | 1935.2 | 1443.4 | 82.6 |
| 39°   | 4686.0 | 4606.1 | 4471.9 | 4274.1 | 3985.6 | 3640.8 | 3164.5 | 2623.8 | 2045.9 | 1513.3 | 78.9 |
| 40°   | 4785.8 | 4708.7 | 4572.6 | 4369.3 | 4084.5 | 3748.8 | 3282.5 | 2742.6 | 2138.4 | 1574.1 | 74.4 |
| 41°   | 4847.5 | 4775.8 | 4640.6 | 4438.3 | 4152.5 | 3810.5 | 3359.6 | 2819.8 | 2201.0 | 1614.9 | 69.9 |
| 42°   | 4899.2 | 4825.7 | 4687.8 | 4480.9 | 4194.2 | 3863.1 | 3406.7 | 2868.7 | 2243.6 | 1635.8 | 66.2 |
| 43°   | 4928.2 | 4854.7 | 4720.5 | 4509.1 | 4219.6 | 3887.6 | 3432.1 | 2891.4 | 2258.2 | 1633.1 | 59.9 |
| 44°   | 4944.5 | 4868.3 | 4733.2 | 4521.8 | 4230.5 | 3893.9 | 3434.0 | 2886.9 | 2248.2 | 1611.3 | 54.4 |
| 45°   | 4926.4 | 4851.1 | 4720.5 | 4509.1 | 4211.5 | 3874.0 | 3415.8 | 2862.4 | 2210.1 | 1568.6 | 48.1 |
| 46°   | 4808.5 | 4750.4 | 4630.6 | 4436.5 | 4151.6 | 3823.2 | 3369.5 | 2815.2 | 2151.1 | 1516.0 | 40.8 |
| 47°   | 4600.7 | 4554.4 | 4438.3 | 4294.0 | 4036.4 | 3729.7 | 3284.3 | 2725.4 | 2068.5 | 1437.1 | 32.7 |
| 48°   | 4383.9 | 4315.8 | 4207.9 | 4060.0 | 3842.2 | 3561.9 | 3143.6 | 2593.8 | 1943.3 | 1333.7 | 29.0 |
| 49°   | 4063.6 | 4023.7 | 3928.4 | 3763.3 | 3582.8 | 3336.0 | 2945.0 | 2425.1 | 1790.0 | 1221.2 | 25.4 |
| 50°   | 3769.6 | 3742.4 | 3609.1 | 3487.5 | 3296.1 | 3065.6 | 2675.5 | 2202.8 | 1599.5 | 1081.4 | 22.7 |
| 51°   | 3540.1 | 3507.5 | 3411.3 | 3259.8 | 3055.6 | 2788.0 | 2420.6 | 1914.3 | 1380.8 | 915.4  | 18.1 |
| 52°   | 3300.6 | 3282.5 | 3197.2 | 3041.1 | 2840.6 | 2573.9 | 2172.9 | 1669.4 | 1168.5 | 773.9  | 14.5 |
| 53°   | 3104.6 | 3078.3 | 2974.0 | 2835.2 | 2618.3 | 2342.5 | 1904.3 | 1441.6 | 989.8  | 650.5  | 12.7 |
| 54°   | 2818.8 | 2808.0 | 2740.8 | 2595.7 | 2360.7 | 2060.4 | 1661.2 | 1213.9 | 825.6  | 551.6  | 10.9 |
| 55°   | 2514.9 | 2478.6 | 2410.6 | 2295.4 | 2079.4 | 1799.1 | 1379.9 | 1006.1 | 667.7  | 464.5  | 8.2  |
| 56°   | 2144.8 | 2142.9 | 2021.4 | 1925.2 | 1733.8 | 1436.2 | 1102.3 | 785.7  | 542.5  | 387.4  | 7.3  |
| 57°   | 1790.9 | 1733.8 | 1616.7 | 1521.5 | 1315.5 | 1089.6 | 818.3  | 588.8  | 424.6  | 313.9  | 5.4  |
| 58°   | 1324.6 | 1294.7 | 1263.8 | 1124.1 | 933.6  | 772.1  | 584.3  | 413.7  | 313.9  | 239.5  | 3.6  |
| 59°   | 899.1  | 898.2  | 861.9  | 755.7  | 646.0  | 480.8  | 364.7  | 281.2  | 215.9  | 176.0  | 2.7  |
| 60°   | 678.6  | 662.3  | 589.7  | 519.9  | 406.5  | 303.9  | 215.9  | 166.0  | 134.3  | 113.4  | 1.8  |
| 62.5° | 237.7  | 246.8  | 216.8  | 179.6  | 137.0  | 112.5  | 86.2   | 69.9   | 57.2   | 46.3   | 0.0  |
| 65°   | 49.0   | 53.5   | 46.3   | 43.5   | 34.5   | 29.9   | 26.3   | 22.7   | 19.1   | 16.3   | 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° | 6.4 | 5.4  | 5.4 | 5.4  | 4.5 | 4.5   | 4.5 | 4.5   | 3.6 | 3.6   | 0.9 |
| 70°   | 2.7 | 2.7  | 2.7 | 2.7  | 2.7 | 2.7   | 1.8 | 1.8   | 1.8 | 1.8   | 0.9 |
| 72.5° | 2.7 | 2.7  | 2.7 | 1.8  | 1.8 | 1.8   | 1.8 | 1.8   | 1.8 | 0.9   | 0.9 |
| 75°   | 1.8 | 1.8  | 1.8 | 1.8  | 1.8 | 1.8   | 1.8 | 0.9   | 0.9 | 0.9   | 0.9 |
| 77.5° | 1.8 | 1.8  | 1.8 | 1.8  | 1.8 | 1.8   | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 |
| 80°   | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 |
| 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 | 0.0  | 0.0 | 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°    | 52.6  | 52.6 | 52.6   | 52.6 | 52.6   | 52.6 |
| 2.5°  | 55.3  | 53.5 | 50.8   | 49.9 | 49.0   | 49.0 |
| 5°    | 54.4  | 50.8 | 48.1   | 45.4 | 44.5   | 44.5 |
| 7.5°  | 51.7  | 47.2 | 43.5   | 41.7 | 40.8   | 39.9 |
| 10°   | 49.0  | 42.6 | 39.0   | 37.2 | 37.2   | 37.2 |
| 12.5° | 43.5  | 38.1 | 34.5   | 33.6 | 34.5   | 34.5 |
| 15°   | 39.0  | 32.7 | 30.8   | 30.8 | 31.8   | 32.7 |
| 17.5° | 33.6  | 29.0 | 27.2   | 28.1 | 29.0   | 29.9 |
| 20°   | 29.9  | 24.5 | 24.5   | 25.4 | 28.1   | 28.1 |
| 22.5° | 26.3  | 21.8 | 21.8   | 24.5 | 26.3   | 27.2 |
| 25°   | 23.6  | 19.1 | 20.0   | 22.7 | 25.4   | 26.3 |
| 27.5° | 20.0  | 16.3 | 18.1   | 21.8 | 24.5   | 25.4 |
| 30°   | 17.2  | 14.5 | 17.2   | 20.9 | 23.6   | 25.4 |
| 31°   | 16.3  | 13.6 | 17.2   | 20.0 | 23.6   | 25.4 |
| 32°   | 14.5  | 13.6 | 16.3   | 20.0 | 23.6   | 24.5 |
| 33°   | 13.6  | 12.7 | 16.3   | 20.0 | 23.6   | 24.5 |
| 34°   | 12.7  | 11.8 | 15.4   | 20.0 | 23.6   | 24.5 |
| 35°   | 10.9  | 11.8 | 15.4   | 19.1 | 22.7   | 24.5 |
| 36°   | 10.0  | 10.9 | 15.4   | 19.1 | 22.7   | 24.5 |
| 37°   | 9.1   | 10.9 | 14.5   | 19.1 | 22.7   | 24.5 |
| 38°   | 8.2   | 10.0 | 14.5   | 19.1 | 22.7   | 24.5 |
| 39°   | 7.3   | 10.0 | 13.6   | 19.1 | 22.7   | 24.5 |
| 40°   | 6.4   | 9.1  | 13.6   | 18.1 | 22.7   | 24.5 |
| 41°   | 6.4   | 9.1  | 13.6   | 18.1 | 22.7   | 24.5 |
| 42°   | 5.4   | 9.1  | 13.6   | 18.1 | 22.7   | 24.5 |
| 43°   | 4.5   | 8.2  | 13.6   | 18.1 | 22.7   | 24.5 |
| 44°   | 3.6   | 8.2  | 12.7   | 18.1 | 22.7   | 24.5 |
| 45°   | 3.6   | 8.2  | 12.7   | 18.1 | 22.7   | 24.5 |
| 46°   | 2.7   | 7.3  | 12.7   | 18.1 | 22.7   | 24.5 |
| 47°   | 1.8   | 7.3  | 12.7   | 17.2 | 22.7   | 24.5 |
| 48°   | 1.8   | 7.3  | 12.7   | 17.2 | 22.7   | 24.5 |
| 49°   | 1.8   | 7.3  | 11.8   | 17.2 | 22.7   | 24.5 |
| 50°   | 1.8   | 7.3  | 11.8   | 17.2 | 22.7   | 24.5 |
| 51°   | 0.9   | 6.4  | 11.8   | 17.2 | 22.7   | 24.5 |
| 52°   | 0.9   | 6.4  | 11.8   | 17.2 | 22.7   | 25.4 |
| 53°   | 0.9   | 6.4  | 11.8   | 17.2 | 22.7   | 24.5 |
| 54°   | 0.9   | 6.4  | 10.9   | 17.2 | 22.7   | 24.5 |
| 55°   | 0.9   | 6.4  | 10.9   | 17.2 | 22.7   | 24.5 |
| 56°   | 0.9   | 5.4  | 10.9   | 16.3 | 22.7   | 24.5 |
| 57°   | 1.8   | 5.4  | 10.9   | 16.3 | 22.7   | 23.6 |
| 58°   | 1.8   | 5.4  | 10.9   | 16.3 | 21.8   | 23.6 |
| 59°   | 1.8   | 5.4  | 10.9   | 16.3 | 21.8   | 23.6 |
| 60°   | 1.8   | 5.4  | 10.0   | 16.3 | 21.8   | 23.6 |
| 62.5° | 1.8   | 5.4  | 10.0   | 15.4 | 20.9   | 22.7 |
| 65°   | 1.8   | 5.4  | 9.1    | 14.5 | 20.9   | 21.8 |





TEST NUMBER: P1344402

CATALOG NUMBER: P3A13R259027DE010 E3CA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.8   | 4.5 | 9.1    | 13.6 | 20.0   | 20.9 |
| 70°   | 2.7   | 4.5 | 8.2    | 13.6 | 19.1   | 20.0 |
| 72.5° | 2.7   | 4.5 | 8.2    | 11.8 | 17.2   | 19.1 |
| 75°   | 2.7   | 4.5 | 7.3    | 10.9 | 16.3   | 17.2 |
| 77.5° | 2.7   | 4.5 | 6.4    | 10.0 | 14.5   | 15.4 |
| 80°   | 3.6   | 4.5 | 5.4    | 8.2  | 12.7   | 13.6 |
| 82.5° | 3.6   | 4.5 | 4.5    | 6.4  | 10.0   | 10.9 |
| 85°   | 2.7   | 3.6 | 3.6    | 4.5  | 6.4    | 7.3  |
| 87.5° | 2.7   | 3.6 | 2.7    | 1.8  | 3.6    | 3.6  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)