

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: P1340540

Luminaire Tested: P3A09R209835DE010 E3CA451MW

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1340540  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R209835DE010 E3CA451MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3CA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

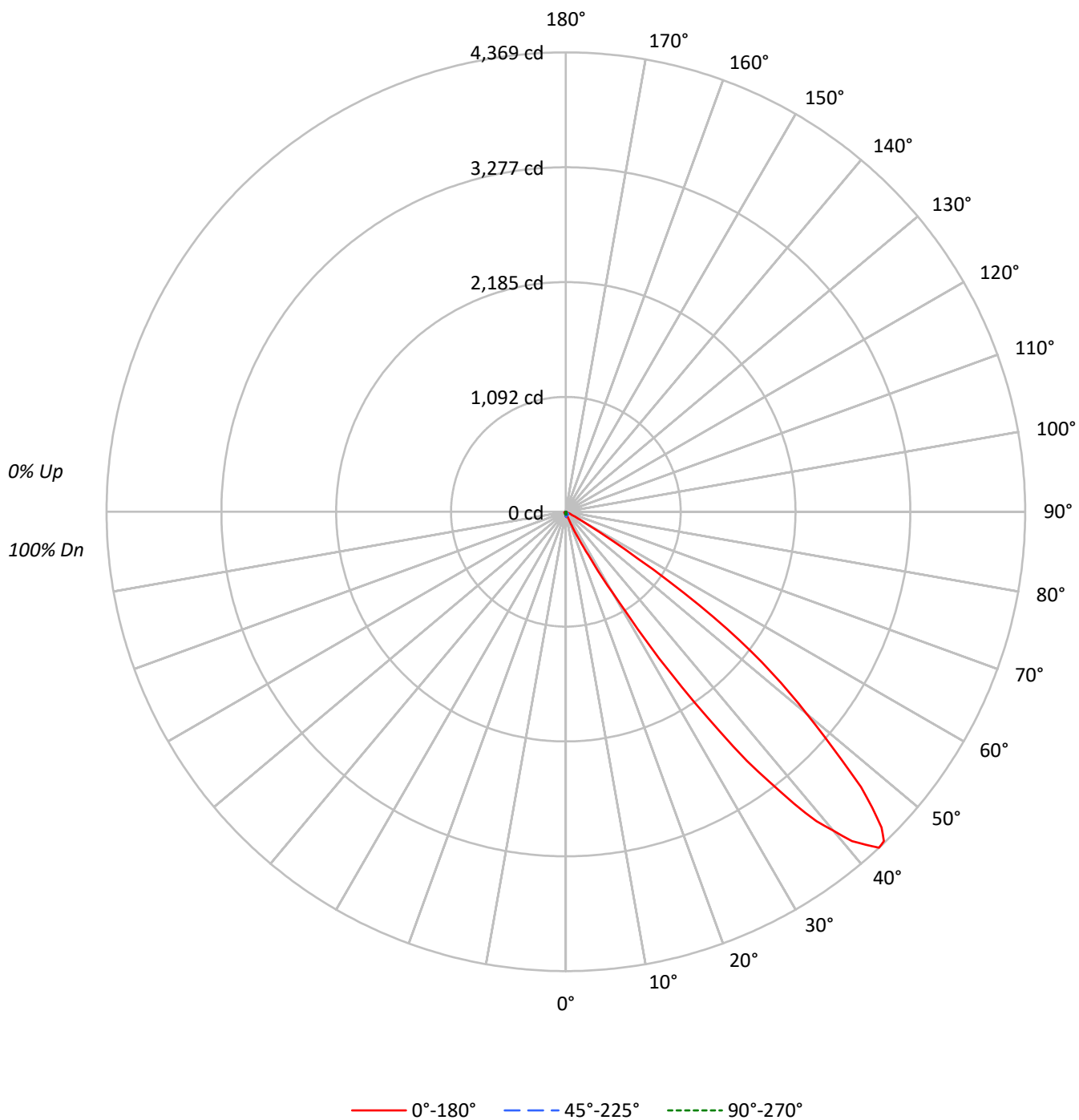
Lumens per Lamp: N/A  
Luminaire Lumens: 607.0 lumens  
Efficiency: N/A  
Efficacy: 55.2 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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: P1340540

CATALOG NUMBER: P3A09R209835DE010 E3CA451MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1340540

CATALOG NUMBER: P3A09R209835DE010 E3CA451MW

**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  | 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°  | 9254    | 9254  | 9254 | 9254 | 9254  |
| 5°  | 10808   | 10037 | 8673 | 7528 | 7286  |
| 10° | 10666   | 9151  | 6858 | 5834 | 5722  |
| 15° | 9330    | 6992  | 5040 | 4654 | 4926  |
| 20° | 13838   | 5857  | 3734 | 3990 | 4387  |
| 25° | 59616   | 6073  | 2903 | 3581 | 4283  |
| 30° | 225478  | 7368  | 2456 | 3469 | 4178  |
| 35° | 683499  | 8861  | 2302 | 3507 | 4417  |
| 40° | 1133381 | 8817  | 1947 | 3750 | 4723  |
| 45° | 1317346 | 6016  | 1768 | 3876 | 5117  |
| 50° | 1022602 | 3309  | 1740 | 4094 | 5833  |
| 55° | 591883  | 2179  | 1759 | 4588 | 6308  |
| 60° | 100080  | 482   | 1491 | 4736 | 7017  |
| 65° | 7679    | 0     | 1764 | 5344 | 7990  |
| 70° | 1090    | 0     | 2180 | 5834 | 9168  |
| 75° | 932     | 508   | 2457 | 6778 | 10590 |
| 80° | 758     | 758   | 3662 | 7198 | 12249 |
| 85° | 1510    | 1510  | 5787 | 7296 | 12831 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1317346 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.6    | 0.6       |
| 10°-20°   | 7.6    | 1.3       |
| 20°-30°   | 24.2   | 4.0       |
| 30°-40°   | 154.8  | 25.5      |
| 40°-50°   | 283.3  | 46.7      |
| 50°-60°   | 116.4  | 19.2      |
| 60°-70°   | 9.8    | 1.6       |
| 70°-80°   | 4.9    | 0.8       |
| 80°-90°   | 2.3    | 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°    | 35.5   | 5.8       |
| 0°-40°    | 190.2  | 31.3      |
| 0°-60°    | 590.0  | 97.2      |
| 0°-90°    | 607.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 607.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 42   | 42  | 42  | 42   | 42   |      |
| 5°  | 49   | 46  | 39  | 34   | 33   | 5    |
| 15° | 41   | 31  | 22  | 20   | 22   | 13   |
| 25° | 246  | 25  | 12  | 15   | 18   | 162  |
| 35° | 2553 | 33  | 9   | 13   | 16   | 1616 |
| 45° | 4248 | 19  | 6   | 12   | 16   | 3050 |
| 55° | 1548 | 6   | 5   | 12   | 16   | 1353 |
| 65° | 15   | 0   | 3   | 10   | 15   | 48   |
| 75° | 1    | 1   | 3   | 8    | 12   | 1    |
| 85° | 1    | 1   | 2   | 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°    | 42.2   | 42.2   | 42.2   | 42.2   | 42.2   | 42.2   | 42.2   | 42.2   | 42.2   | 42.2  | 42.2 |
| 2.5°  | 46.2   | 46.2   | 46.2   | 45.6   | 45.6   | 46.2   | 45.6   | 45.6   | 45.6   | 45.6  | 45.1 |
| 5°    | 49.1   | 49.1   | 49.1   | 49.1   | 49.1   | 49.1   | 49.1   | 48.5   | 48.5   | 47.9  | 45.6 |
| 7.5°  | 50.2   | 50.2   | 50.2   | 50.2   | 49.6   | 49.6   | 49.6   | 49.6   | 49.1   | 48.5  | 44.5 |
| 10°   | 47.9   | 47.9   | 47.9   | 47.3   | 47.3   | 47.3   | 46.8   | 46.8   | 46.2   | 45.6  | 41.1 |
| 12.5° | 43.4   | 43.4   | 43.4   | 43.4   | 42.8   | 42.8   | 42.2   | 42.2   | 41.6   | 41.1  | 35.9 |
| 15°   | 41.1   | 41.1   | 41.1   | 40.5   | 40.5   | 39.9   | 39.4   | 38.8   | 38.2   | 37.1  | 30.8 |
| 17.5° | 44.5   | 44.5   | 43.9   | 43.9   | 42.8   | 41.6   | 41.1   | 39.4   | 38.2   | 36.5  | 27.4 |
| 20°   | 59.3   | 59.9   | 57.6   | 55.9   | 54.8   | 51.3   | 49.6   | 46.8   | 44.5   | 41.6  | 25.1 |
| 22.5° | 119.8  | 117.5  | 113.5  | 107.2  | 99.8   | 93.6   | 82.1   | 73.0   | 66.7   | 58.2  | 24.5 |
| 25°   | 246.4  | 244.1  | 233.3  | 224.2  | 201.4  | 183.7  | 159.2  | 139.2  | 118.7  | 98.7  | 25.1 |
| 27.5° | 468.3  | 452.9  | 450.1  | 408.4  | 376.5  | 330.9  | 283.5  | 243.6  | 207.1  | 166.6 | 26.8 |
| 30°   | 890.5  | 872.8  | 810.6  | 747.8  | 661.7  | 564.2  | 471.2  | 384.5  | 312.0  | 246.4 | 29.1 |
| 31°   | 1130.0 | 1147.1 | 1074.1 | 948.1  | 820.9  | 695.9  | 568.7  | 458.6  | 365.1  | 283.5 | 30.2 |
| 32°   | 1485.4 | 1410.7 | 1333.7 | 1204.2 | 1019.4 | 859.6  | 699.9  | 541.3  | 418.1  | 323.4 | 31.4 |
| 33°   | 1821.4 | 1777.5 | 1660.0 | 1498.5 | 1276.6 | 1052.5 | 845.4  | 638.9  | 483.2  | 371.9 | 31.9 |
| 34°   | 2179.6 | 2131.2 | 2035.9 | 1804.3 | 1560.7 | 1266.9 | 990.8  | 751.3  | 560.7  | 419.3 | 32.5 |
| 35°   | 2553.3 | 2532.7 | 2349.1 | 2148.3 | 1848.8 | 1494.5 | 1166.0 | 874.5  | 636.6  | 462.6 | 33.1 |
| 36°   | 2929.2 | 2863.0 | 2719.3 | 2426.1 | 2113.5 | 1705.0 | 1349.7 | 989.1  | 713.6  | 514.0 | 33.1 |
| 37°   | 3212.1 | 3197.3 | 3006.8 | 2721.0 | 2353.6 | 1929.8 | 1508.2 | 1116.3 | 791.2  | 557.9 | 33.1 |
| 38°   | 3524.2 | 3465.4 | 3272.0 | 2981.1 | 2579.5 | 2135.7 | 1674.2 | 1227.0 | 864.8  | 597.8 | 32.5 |
| 39°   | 3787.1 | 3699.9 | 3504.8 | 3217.3 | 2776.9 | 2292.0 | 1806.0 | 1334.3 | 929.8  | 630.9 | 31.9 |
| 40°   | 3959.4 | 3898.9 | 3695.3 | 3371.9 | 2956.0 | 2439.8 | 1939.5 | 1422.7 | 978.3  | 656.0 | 30.8 |
| 41°   | 4149.4 | 4049.0 | 3847.6 | 3522.5 | 3086.1 | 2569.8 | 2023.3 | 1480.9 | 1015.9 | 672.5 | 29.7 |
| 42°   | 4262.9 | 4180.7 | 3941.7 | 3623.4 | 3179.0 | 2644.0 | 2091.8 | 1525.3 | 1038.8 | 681.1 | 27.4 |
| 43°   | 4369.0 | 4257.2 | 4024.4 | 3682.2 | 3240.7 | 2696.5 | 2123.2 | 1545.9 | 1043.9 | 681.1 | 24.5 |
| 44°   | 4354.7 | 4248.6 | 4007.3 | 3690.2 | 3254.3 | 2711.9 | 2136.3 | 1546.5 | 1035.9 | 672.5 | 21.7 |
| 45°   | 4248.0 | 4142.5 | 3925.2 | 3620.6 | 3205.3 | 2681.6 | 2110.0 | 1523.6 | 1013.7 | 657.7 | 19.4 |
| 46°   | 4052.4 | 3947.4 | 3780.9 | 3504.2 | 3114.0 | 2613.2 | 2049.0 | 1474.0 | 976.6  | 633.8 | 17.1 |
| 47°   | 3839.6 | 3737.5 | 3566.9 | 3316.5 | 2958.3 | 2491.1 | 1960.6 | 1404.4 | 924.7  | 599.0 | 15.4 |
| 48°   | 3531.0 | 3467.1 | 3296.0 | 3082.1 | 2742.1 | 2300.0 | 1805.4 | 1290.9 | 855.1  | 553.9 | 13.1 |
| 49°   | 3258.3 | 3191.0 | 3041.0 | 2811.1 | 2460.3 | 2077.5 | 1620.0 | 1152.9 | 764.4  | 503.7 | 11.4 |
| 50°   | 2997.6 | 2938.9 | 2800.3 | 2540.7 | 2205.9 | 1808.9 | 1369.6 | 978.9  | 650.3  | 441.5 | 9.7  |
| 51°   | 2742.7 | 2698.7 | 2557.3 | 2318.8 | 1978.8 | 1602.4 | 1186.5 | 815.2  | 537.4  | 366.2 | 9.1  |
| 52°   | 2486.5 | 2481.4 | 2328.0 | 2086.7 | 1758.1 | 1396.4 | 1008.5 | 687.9  | 455.8  | 307.5 | 8.6  |
| 53°   | 2211.0 | 2177.9 | 2043.9 | 1827.1 | 1511.7 | 1181.9 | 855.1  | 580.1  | 392.5  | 261.8 | 7.4  |
| 54°   | 1897.3 | 1860.2 | 1716.4 | 1520.8 | 1235.0 | 968.0  | 689.1  | 468.9  | 326.9  | 221.3 | 6.8  |
| 55°   | 1548.2 | 1484.8 | 1380.5 | 1179.7 | 964.6  | 738.7  | 532.2  | 371.4  | 261.3  | 184.3 | 5.7  |
| 56°   | 1174.5 | 1111.2 | 1052.5 | 904.7  | 707.9  | 551.0  | 396.5  | 284.6  | 204.2  | 145.5 | 5.1  |
| 57°   | 816.9  | 813.4  | 717.0  | 603.5  | 473.5  | 375.3  | 271.5  | 200.8  | 144.3  | 112.9 | 4.0  |
| 58°   | 529.9  | 512.3  | 450.6  | 385.0  | 309.7  | 234.4  | 174.6  | 136.3  | 98.1   | 77.0  | 3.4  |
| 59°   | 371.4  | 336.0  | 302.9  | 256.7  | 195.1  | 147.7  | 112.4  | 87.3   | 67.9   | 53.6  | 2.3  |
| 60°   | 228.2  | 220.8  | 198.5  | 156.3  | 126.6  | 104.4  | 83.9   | 64.5   | 49.6   | 38.2  | 1.1  |
| 62.5° | 65.0   | 66.2   | 59.9   | 53.1   | 45.6   | 39.4   | 35.4   | 30.2   | 25.1   | 20.0  | 0.0  |
| 65°   | 14.8   | 14.3   | 15.4   | 14.3   | 13.1   | 13.1   | 11.4   | 10.3   | 9.1    | 8.6   | 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° | 4.6 | 4.6  | 4.0 | 4.0  | 4.0 | 3.4   | 3.4 | 2.9   | 2.9 | 2.3   | 0.0 |
| 70°   | 1.7 | 1.7  | 1.7 | 1.7  | 1.7 | 1.1   | 1.1 | 1.1   | 0.6 | 0.6   | 0.0 |
| 72.5° | 1.7 | 1.7  | 1.7 | 1.1  | 1.1 | 1.1   | 1.1 | 1.1   | 0.6 | 0.6   | 0.6 |
| 75°   | 1.1 | 1.1  | 1.1 | 1.1  | 1.1 | 1.1   | 1.1 | 0.6   | 0.6 | 0.6   | 0.6 |
| 77.5° | 1.1 | 1.1  | 1.1 | 1.1  | 1.1 | 0.6   | 1.1 | 0.6   | 0.6 | 0.6   | 0.6 |
| 80°   | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 |
| 82.5° | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 | 0.6   | 0.6 |
| 85°   | 0.6 | 0.6  | 0.6 | 0.6  | 0.0 | 0.0   | 0.6 | 0.6   | 0.6 | 0.0   | 0.6 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.6 |
| 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°    | 42.2  | 42.2 | 42.2   | 42.2 | 42.2   | 42.2 |
| 2.5°  | 43.9  | 41.6 | 39.9   | 38.2 | 37.6   | 37.6 |
| 5°    | 42.8  | 39.4 | 35.9   | 34.2 | 33.1   | 33.1 |
| 7.5°  | 39.4  | 35.4 | 31.9   | 30.2 | 29.7   | 29.7 |
| 10°   | 35.4  | 30.8 | 27.4   | 26.2 | 26.2   | 25.7 |
| 12.5° | 30.8  | 26.2 | 24.0   | 23.4 | 23.4   | 23.4 |
| 15°   | 25.7  | 22.2 | 20.5   | 20.5 | 21.1   | 21.7 |
| 17.5° | 21.7  | 18.3 | 17.7   | 18.8 | 20.0   | 20.0 |
| 20°   | 18.3  | 16.0 | 16.0   | 17.1 | 18.3   | 18.8 |
| 22.5° | 15.4  | 13.7 | 14.3   | 16.0 | 17.7   | 18.3 |
| 25°   | 13.7  | 12.0 | 13.1   | 14.8 | 16.5   | 17.7 |
| 27.5° | 11.4  | 10.8 | 12.0   | 14.3 | 16.5   | 17.1 |
| 30°   | 9.7   | 9.7  | 11.4   | 13.7 | 16.0   | 16.5 |
| 31°   | 9.1   | 9.1  | 11.4   | 13.7 | 16.0   | 16.5 |
| 32°   | 8.6   | 9.1  | 10.8   | 13.7 | 16.0   | 16.5 |
| 33°   | 8.0   | 8.6  | 10.8   | 13.1 | 16.0   | 16.5 |
| 34°   | 7.4   | 8.6  | 10.8   | 13.1 | 16.0   | 16.5 |
| 35°   | 6.8   | 8.6  | 10.8   | 13.1 | 16.0   | 16.5 |
| 36°   | 6.3   | 8.0  | 10.3   | 13.1 | 16.0   | 16.5 |
| 37°   | 5.7   | 8.0  | 10.3   | 13.1 | 16.0   | 16.5 |
| 38°   | 5.1   | 7.4  | 10.3   | 13.1 | 16.0   | 16.5 |
| 39°   | 5.1   | 7.4  | 9.7    | 13.1 | 15.4   | 16.5 |
| 40°   | 4.6   | 6.8  | 9.7    | 13.1 | 15.4   | 16.5 |
| 41°   | 4.0   | 6.8  | 9.7    | 12.5 | 15.4   | 16.5 |
| 42°   | 3.4   | 6.3  | 9.1    | 12.5 | 15.4   | 16.5 |
| 43°   | 2.9   | 6.3  | 9.1    | 12.5 | 15.4   | 16.5 |
| 44°   | 2.9   | 5.7  | 9.1    | 12.5 | 15.4   | 16.5 |
| 45°   | 2.3   | 5.7  | 9.1    | 12.5 | 15.4   | 16.5 |
| 46°   | 1.7   | 5.7  | 9.1    | 12.5 | 15.4   | 16.5 |
| 47°   | 1.7   | 5.1  | 8.6    | 12.5 | 15.4   | 16.5 |
| 48°   | 1.1   | 5.1  | 8.6    | 12.5 | 15.4   | 16.5 |
| 49°   | 1.1   | 5.1  | 8.6    | 12.5 | 15.4   | 17.1 |
| 50°   | 1.1   | 5.1  | 8.6    | 12.0 | 15.4   | 17.1 |
| 51°   | 0.6   | 5.1  | 8.6    | 12.0 | 15.4   | 17.1 |
| 52°   | 0.6   | 5.1  | 8.0    | 12.0 | 16.0   | 17.1 |
| 53°   | 0.6   | 4.6  | 8.0    | 12.0 | 16.0   | 17.1 |
| 54°   | 0.6   | 4.6  | 8.0    | 12.0 | 16.0   | 16.5 |
| 55°   | 0.6   | 4.6  | 8.0    | 12.0 | 15.4   | 16.5 |
| 56°   | 0.6   | 4.0  | 8.0    | 12.0 | 15.4   | 16.5 |
| 57°   | 0.6   | 4.0  | 7.4    | 11.4 | 15.4   | 16.0 |
| 58°   | 0.6   | 4.0  | 7.4    | 11.4 | 15.4   | 16.0 |
| 59°   | 0.6   | 4.0  | 7.4    | 11.4 | 14.8   | 16.0 |
| 60°   | 1.1   | 3.4  | 6.8    | 10.8 | 14.8   | 16.0 |
| 62.5° | 1.1   | 3.4  | 6.8    | 10.8 | 14.3   | 15.4 |
| 65°   | 1.1   | 3.4  | 6.3    | 10.3 | 14.3   | 15.4 |





TEST NUMBER: P1340540

CATALOG NUMBER: P3A09R209835DE010 E3CA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.1   | 2.9 | 5.7    | 9.7  | 13.7   | 14.8 |
| 70°   | 1.1   | 3.4 | 5.7    | 9.1  | 13.1   | 14.3 |
| 72.5° | 1.7   | 2.9 | 5.1    | 8.6  | 12.5   | 13.7 |
| 75°   | 1.7   | 2.9 | 5.1    | 8.0  | 12.0   | 12.5 |
| 77.5° | 2.3   | 2.9 | 4.6    | 6.8  | 10.8   | 11.4 |
| 80°   | 2.3   | 2.9 | 4.0    | 5.7  | 9.1    | 9.7  |
| 82.5° | 2.3   | 2.9 | 2.9    | 4.6  | 6.8    | 7.4  |
| 85°   | 1.7   | 2.3 | 2.3    | 2.9  | 4.6    | 5.1  |
| 87.5° | 1.7   | 2.3 | 1.7    | 1.1  | 2.3    | 2.3  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)