

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: P1343774

Luminaire Tested: P3A13R15W2N902750DE010 E3CA451MW\_2700K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1343774  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-73)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R15W2N902750DE010 E3CA451MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,  
E3CA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

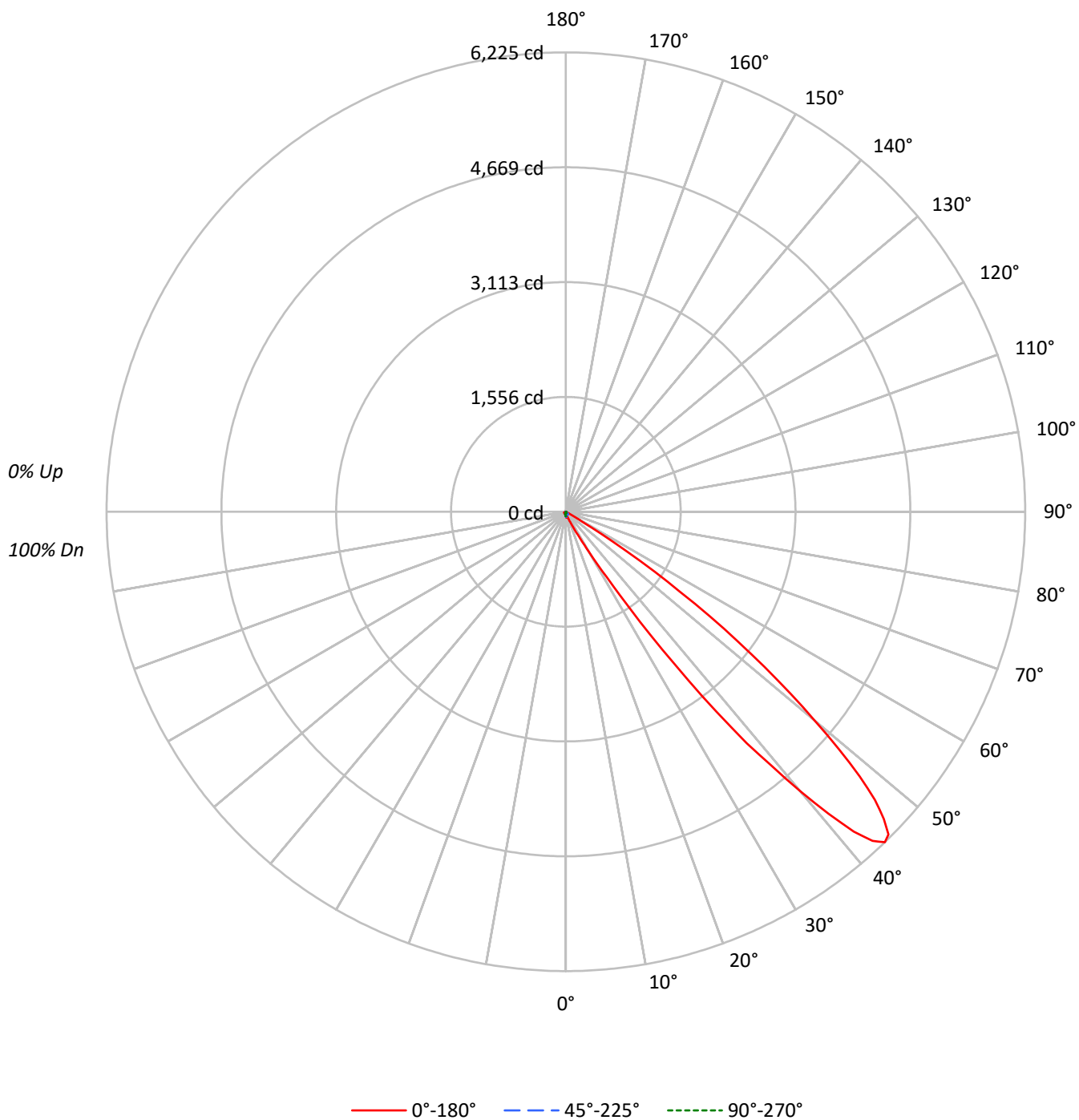
Lumens per Lamp: N/A  
Luminaire Lumens: 695.0 lumens  
Efficiency: N/A  
Efficacy: 56.5 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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: P1343774

CATALOG NUMBER: P3A13R15W2N902750DE010 E3CA451MW\_2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P1343774

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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  | 0   |  |  |
| 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  | 107 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  |  |  |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 73  |  |  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  |  |  |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 50  |  |  |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 55  | 49  | 44  | 42  |  |  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  | 35  |  |  |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  | 29  |  |  |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 26  | 24  |  |  |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  | 20  |  |  |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  | 31  | 24  | 19  | 30  | 23  | 19  | 17  |  |  |

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

|     | 0°      | 45°   | 90°   | 135°  | 180°  |
|-----|---------|-------|-------|-------|-------|
| 0°  | 13530   | 13530 | 13530 | 13530 | 13530 |
| 5°  | 16773   | 14946 | 12195 | 10676 | 10522 |
| 10° | 16499   | 12803 | 9419  | 8328  | 8483  |
| 15° | 13689   | 9126  | 6765  | 6924  | 7401  |
| 20° | 23779   | 7281  | 5180  | 5974  | 6791  |
| 25° | 52987   | 8710  | 4186  | 5541  | 6363  |
| 30° | 158455  | 10711 | 3697  | 5444  | 6659  |
| 35° | 609937  | 12046 | 3346  | 5568  | 7040  |
| 40° | 1415738 | 10505 | 3177  | 5754  | 7528  |
| 45° | 1917563 | 7939  | 2791  | 6233  | 8156  |
| 50° | 1503541 | 4742  | 2831  | 6618  | 8972  |
| 55° | 721676  | 2103  | 2638  | 7149  | 9787  |
| 60° | 65960   | 307   | 2412  | 7587  | 10920 |
| 65° | 7212    | 0     | 2179  | 7887  | 11882 |
| 70° | 1795    | 0     | 2693  | 8463  | 12887 |
| 75° | 1779    | 593   | 3558  | 9404  | 14657 |
| 80° | 1768    | 1768  | 4420  | 9597  | 15785 |
| 85° | 1761    | 1761  | 7045  | 8806  | 17360 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 1917563 cd/sqm

TEST NUMBER: P1343774

CATALOG NUMBER: P3A13R15W2N902750DE010 E3CA451MW\_2700K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.3    | 0.8       |
| 10°-20°   | 11.0   | 1.6       |
| 20°-30°   | 26.3   | 3.8       |
| 30°-40°   | 143.8  | 20.7      |
| 40°-50°   | 348.1  | 50.1      |
| 50°-60°   | 138.9  | 20.0      |
| 60°-70°   | 12.0   | 1.7       |
| 70°-80°   | 6.8    | 1.0       |
| 80°-90°   | 3.0    | 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°    | 42.5   | 6.1       |
| 0°-40°    | 186.2  | 26.8      |
| 0°-60°    | 673.2  | 96.9      |
| 0°-90°    | 695.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 695.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 62   | 62  | 62  | 62   | 62   |      |
| 5°  | 76   | 68  | 55  | 48   | 48   | 7    |
| 15° | 60   | 40  | 30  | 30   | 33   | 21   |
| 25° | 219  | 36  | 17  | 23   | 26   | 132  |
| 35° | 2278 | 45  | 12  | 21   | 26   | 1610 |
| 45° | 6184 | 26  | 9   | 20   | 26   | 4362 |
| 55° | 1888 | 6   | 7   | 19   | 26   | 1759 |
| 65° | 14   | 0   | 4   | 15   | 23   | 36   |
| 75° | 2    | 1   | 4   | 11   | 17   | 2    |
| 85° | 1    | 1   | 3   | 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°    | 61.7   | 61.7   | 61.7   | 61.7   | 61.7   | 61.7   | 61.7   | 61.7   | 61.7  | 61.7  | 61.7 |
| 2.5°  | 69.3   | 69.3   | 70.0   | 69.3   | 69.3   | 69.3   | 69.3   | 68.6   | 68.6  | 68.6  | 66.5 |
| 5°    | 76.2   | 76.2   | 76.2   | 76.2   | 75.5   | 75.5   | 75.5   | 74.8   | 74.8  | 74.1  | 67.9 |
| 7.5°  | 79.0   | 79.0   | 78.3   | 78.3   | 77.6   | 77.6   | 76.9   | 76.2   | 75.5  | 74.8  | 65.1 |
| 10°   | 74.1   | 74.1   | 74.1   | 73.5   | 73.5   | 72.8   | 72.1   | 71.4   | 70.7  | 69.3  | 57.5 |
| 12.5° | 65.8   | 65.8   | 66.5   | 65.8   | 65.1   | 64.4   | 63.1   | 62.4   | 61.7  | 60.3  | 47.8 |
| 15°   | 60.3   | 60.3   | 60.3   | 59.6   | 58.9   | 57.5   | 56.8   | 55.4   | 54.7  | 52.7  | 40.2 |
| 17.5° | 76.9   | 76.9   | 76.2   | 74.8   | 72.1   | 70.0   | 66.5   | 63.8   | 60.3  | 56.1  | 34.6 |
| 20°   | 101.9  | 101.9  | 100.5  | 99.1   | 95.6   | 92.2   | 86.6   | 81.8   | 76.2  | 71.4  | 31.2 |
| 22.5° | 147.6  | 149.7  | 145.5  | 140.7  | 135.8  | 127.5  | 119.9  | 112.3  | 102.6 | 94.2  | 31.9 |
| 25°   | 219.0  | 221.1  | 219.0  | 207.9  | 198.9  | 187.8  | 173.2  | 158.0  | 141.4 | 126.1 | 36.0 |
| 27.5° | 354.8  | 356.2  | 352.7  | 325.7  | 311.1  | 282.0  | 256.4  | 231.5  | 203.7 | 176.0 | 39.5 |
| 30°   | 625.8  | 626.5  | 604.3  | 550.2  | 502.4  | 438.7  | 384.6  | 332.6  | 289.0 | 244.6 | 42.3 |
| 31°   | 824.0  | 804.6  | 757.4  | 692.3  | 616.1  | 530.1  | 456.0  | 388.8  | 323.6 | 275.8 | 43.0 |
| 32°   | 1046.4 | 1043.6 | 965.3  | 852.4  | 750.5  | 643.1  | 531.5  | 445.6  | 370.7 | 305.6 | 43.7 |
| 33°   | 1340.9 | 1342.3 | 1219.0 | 1085.9 | 918.9  | 774.8  | 628.5  | 510.7  | 420.6 | 340.9 | 45.0 |
| 34°   | 1801.1 | 1693.0 | 1548.1 | 1367.9 | 1140.6 | 923.7  | 733.9  | 586.3  | 465.7 | 374.9 | 45.0 |
| 35°   | 2278.5 | 2169.7 | 2010.3 | 1737.3 | 1425.5 | 1121.9 | 859.3  | 667.3  | 519.7 | 411.6 | 45.0 |
| 36°   | 2813.5 | 2721.3 | 2480.2 | 2131.6 | 1733.8 | 1309.0 | 992.3  | 760.9  | 573.1 | 444.9 | 44.4 |
| 37°   | 3391.4 | 3256.3 | 2988.8 | 2608.4 | 2076.2 | 1572.4 | 1154.5 | 853.8  | 626.5 | 480.9 | 43.0 |
| 38°   | 3978.4 | 3856.4 | 3519.0 | 3058.1 | 2485.0 | 1850.3 | 1316.7 | 943.1  | 675.7 | 508.0 | 40.9 |
| 39°   | 4423.3 | 4356.8 | 4022.1 | 3507.2 | 2811.4 | 2113.6 | 1483.7 | 1038.8 | 727.6 | 535.0 | 38.8 |
| 40°   | 4945.8 | 4838.4 | 4521.0 | 3884.2 | 3197.4 | 2381.8 | 1647.2 | 1123.3 | 770.6 | 556.5 | 36.7 |
| 41°   | 5422.6 | 5286.7 | 4886.2 | 4270.8 | 3506.5 | 2622.9 | 1802.4 | 1210.6 | 805.2 | 568.9 | 35.3 |
| 42°   | 5831.4 | 5673.4 | 5254.9 | 4602.1 | 3765.0 | 2815.6 | 1926.5 | 1273.0 | 837.8 | 579.3 | 33.3 |
| 43°   | 6096.1 | 5959.6 | 5548.0 | 4850.9 | 3986.0 | 2992.3 | 2042.2 | 1338.1 | 857.9 | 586.3 | 30.5 |
| 44°   | 6225.0 | 6087.1 | 5688.7 | 5006.8 | 4121.8 | 3098.3 | 2117.1 | 1383.2 | 880.1 | 595.3 | 28.4 |
| 45°   | 6183.5 | 6043.5 | 5658.2 | 5009.6 | 4164.1 | 3136.4 | 2148.9 | 1403.3 | 891.9 | 603.6 | 25.6 |
| 46°   | 5992.9 | 5894.5 | 5506.4 | 4879.3 | 4083.7 | 3095.5 | 2130.9 | 1388.0 | 887.7 | 603.6 | 22.9 |
| 47°   | 5725.4 | 5613.1 | 5243.8 | 4655.4 | 3889.0 | 2990.2 | 2058.2 | 1341.6 | 862.1 | 589.7 | 20.1 |
| 48°   | 5360.9 | 5265.3 | 4877.2 | 4299.9 | 3590.3 | 2760.8 | 1893.9 | 1266.1 | 821.9 | 562.7 | 17.3 |
| 49°   | 4903.5 | 4770.5 | 4409.4 | 3845.3 | 3200.9 | 2435.1 | 1678.4 | 1138.6 | 757.4 | 524.6 | 15.2 |
| 50°   | 4407.4 | 4243.1 | 3964.5 | 3390.1 | 2798.3 | 2087.9 | 1395.0 | 962.5  | 666.6 | 474.7 | 13.9 |
| 51°   | 3921.6 | 3754.6 | 3489.2 | 3000.6 | 2368.6 | 1732.5 | 1125.4 | 768.5  | 548.8 | 406.1 | 11.8 |
| 52°   | 3417.8 | 3277.8 | 2980.5 | 2596.6 | 2027.7 | 1404.0 | 937.6  | 650.0  | 456.0 | 340.9 | 9.7  |
| 53°   | 2916.1 | 2820.4 | 2537.7 | 2148.9 | 1629.2 | 1146.9 | 765.7  | 556.5  | 397.8 | 291.7 | 7.6  |
| 54°   | 2413.7 | 2309.0 | 2094.2 | 1747.7 | 1313.2 | 905.0  | 649.3  | 465.7  | 345.1 | 254.3 | 6.9  |
| 55°   | 1887.7 | 1833.6 | 1635.4 | 1332.6 | 995.1  | 722.1  | 526.7  | 400.5  | 289.0 | 212.7 | 5.5  |
| 56°   | 1453.9 | 1392.9 | 1212.0 | 966.7  | 739.4  | 565.5  | 426.2  | 327.1  | 244.6 | 178.1 | 4.2  |
| 57°   | 952.2  | 889.8  | 769.9  | 675.0  | 538.4  | 412.3  | 325.7  | 257.8  | 198.9 | 147.6 | 3.5  |
| 58°   | 562.7  | 505.9  | 487.2  | 415.8  | 359.0  | 280.0  | 240.5  | 192.0  | 146.9 | 116.4 | 2.1  |
| 59°   | 258.5  | 262.6  | 233.5  | 219.0  | 198.9  | 178.1  | 146.2  | 128.2  | 100.5 | 83.9  | 1.4  |
| 60°   | 150.4  | 142.1  | 138.6  | 124.0  | 110.2  | 97.7   | 88.0   | 77.6   | 63.1  | 54.1  | 0.7  |
| 62.5° | 51.3   | 49.2   | 50.6   | 45.7   | 43.0   | 41.6   | 38.1   | 32.6   | 27.0  | 22.2  | 0.0  |
| 65°   | 13.9   | 13.9   | 13.2   | 12.5   | 11.8   | 11.1   | 10.4   | 9.0    | 8.3   | 6.9   | 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° | 4.9 | 4.9  | 4.2 | 4.2  | 3.5 | 3.5   | 2.8 | 2.8   | 2.1 | 2.1   | 0.0 |
| 70°   | 2.8 | 2.8  | 2.8 | 2.1  | 2.1 | 2.1   | 1.4 | 1.4   | 1.4 | 0.7   | 0.0 |
| 72.5° | 2.1 | 2.1  | 2.1 | 2.1  | 2.1 | 2.1   | 1.4 | 1.4   | 1.4 | 0.7   | 0.7 |
| 75°   | 2.1 | 2.1  | 2.1 | 1.4  | 1.4 | 1.4   | 1.4 | 1.4   | 1.4 | 1.4   | 0.7 |
| 77.5° | 1.4 | 1.4  | 1.4 | 1.4  | 1.4 | 1.4   | 1.4 | 1.4   | 1.4 | 1.4   | 1.4 |
| 80°   | 1.4 | 1.4  | 1.4 | 1.4  | 1.4 | 1.4   | 1.4 | 1.4   | 1.4 | 0.7   | 1.4 |
| 82.5° | 0.7 | 0.7  | 0.7 | 0.7  | 0.7 | 0.7   | 0.7 | 0.7   | 0.7 | 0.7   | 1.4 |
| 85°   | 0.7 | 0.7  | 0.7 | 0.7  | 0.7 | 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°    | 61.7  | 61.7 | 61.7   | 61.7 | 61.7   | 61.7 |
| 2.5°  | 63.8  | 61.0 | 57.5   | 55.4 | 54.7   | 54.1 |
| 5°    | 61.0  | 55.4 | 51.3   | 48.5 | 47.8   | 47.8 |
| 7.5°  | 54.7  | 48.5 | 44.4   | 43.0 | 42.3   | 42.3 |
| 10°   | 47.8  | 42.3 | 38.8   | 37.4 | 38.1   | 38.1 |
| 12.5° | 40.2  | 35.3 | 34.0   | 34.0 | 34.6   | 35.3 |
| 15°   | 32.6  | 29.8 | 29.8   | 30.5 | 31.9   | 32.6 |
| 17.5° | 27.0  | 25.6 | 26.3   | 27.7 | 29.1   | 30.5 |
| 20°   | 22.2  | 22.2 | 23.6   | 25.6 | 27.7   | 29.1 |
| 22.5° | 18.7  | 19.4 | 21.5   | 23.6 | 26.3   | 27.7 |
| 25°   | 15.9  | 17.3 | 19.4   | 22.9 | 25.6   | 26.3 |
| 27.5° | 13.9  | 15.9 | 18.7   | 22.2 | 24.9   | 26.3 |
| 30°   | 11.8  | 14.6 | 18.0   | 21.5 | 24.9   | 26.3 |
| 31°   | 11.1  | 13.9 | 17.3   | 21.5 | 24.9   | 26.3 |
| 32°   | 10.4  | 13.9 | 17.3   | 21.5 | 24.9   | 26.3 |
| 33°   | 9.7   | 13.2 | 17.3   | 20.8 | 24.9   | 26.3 |
| 34°   | 9.0   | 13.2 | 17.3   | 21.5 | 24.9   | 26.3 |
| 35°   | 8.3   | 12.5 | 16.6   | 20.8 | 24.3   | 26.3 |
| 36°   | 7.6   | 12.5 | 16.6   | 20.8 | 24.9   | 26.3 |
| 37°   | 6.9   | 12.5 | 16.6   | 20.8 | 24.3   | 26.3 |
| 38°   | 6.9   | 11.8 | 15.9   | 20.8 | 24.3   | 26.3 |
| 39°   | 6.2   | 11.1 | 15.9   | 20.8 | 24.3   | 26.3 |
| 40°   | 5.5   | 11.1 | 15.2   | 20.1 | 24.3   | 26.3 |
| 41°   | 4.9   | 10.4 | 15.2   | 20.1 | 24.3   | 26.3 |
| 42°   | 4.2   | 10.4 | 15.2   | 20.1 | 24.3   | 26.3 |
| 43°   | 3.5   | 9.7  | 14.6   | 20.1 | 24.3   | 26.3 |
| 44°   | 3.5   | 9.7  | 14.6   | 20.1 | 24.3   | 26.3 |
| 45°   | 2.8   | 9.0  | 13.9   | 20.1 | 24.3   | 26.3 |
| 46°   | 2.8   | 9.0  | 13.9   | 19.4 | 24.3   | 26.3 |
| 47°   | 2.1   | 9.0  | 13.9   | 19.4 | 24.3   | 26.3 |
| 48°   | 2.1   | 8.3  | 13.9   | 19.4 | 24.3   | 26.3 |
| 49°   | 1.4   | 8.3  | 13.9   | 19.4 | 24.3   | 26.3 |
| 50°   | 1.4   | 8.3  | 13.2   | 19.4 | 24.3   | 26.3 |
| 51°   | 1.4   | 8.3  | 13.2   | 19.4 | 24.3   | 26.3 |
| 52°   | 1.4   | 7.6  | 13.2   | 19.4 | 24.3   | 26.3 |
| 53°   | 1.4   | 7.6  | 13.2   | 19.4 | 24.3   | 26.3 |
| 54°   | 1.4   | 7.6  | 12.5   | 19.4 | 24.3   | 26.3 |
| 55°   | 1.4   | 6.9  | 12.5   | 18.7 | 24.3   | 25.6 |
| 56°   | 1.4   | 6.9  | 12.5   | 18.7 | 24.3   | 25.6 |
| 57°   | 1.4   | 6.9  | 11.8   | 18.7 | 24.3   | 25.6 |
| 58°   | 1.4   | 6.2  | 11.8   | 18.0 | 23.6   | 25.6 |
| 59°   | 1.4   | 6.2  | 11.1   | 18.0 | 23.6   | 24.9 |
| 60°   | 1.4   | 5.5  | 11.1   | 17.3 | 22.9   | 24.9 |
| 62.5° | 1.4   | 4.9  | 9.7    | 16.6 | 22.2   | 23.6 |
| 65°   | 1.4   | 4.2  | 9.0    | 15.2 | 21.5   | 22.9 |



TEST NUMBER: P1343774

CATALOG NUMBER: P3A13R15W2N902750DE010 E3CA451MW\_2700K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.4   | 4.2 | 8.3    | 14.6 | 20.1   | 22.2 |
| 70°   | 1.4   | 4.2 | 7.6    | 13.2 | 19.4   | 20.1 |
| 72.5° | 2.1   | 4.2 | 6.9    | 12.5 | 18.0   | 18.7 |
| 75°   | 2.8   | 4.2 | 6.2    | 11.1 | 16.6   | 17.3 |
| 77.5° | 2.8   | 4.2 | 5.5    | 9.7  | 14.6   | 15.2 |
| 80°   | 2.8   | 3.5 | 4.9    | 7.6  | 11.8   | 12.5 |
| 82.5° | 2.8   | 3.5 | 3.5    | 6.2  | 9.0    | 9.7  |
| 85°   | 2.1   | 2.8 | 2.8    | 3.5  | 6.2    | 6.9  |
| 87.5° | 2.1   | 2.8 | 1.4    | 2.1  | 2.8    | 2.8  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)