

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: P1343753

Luminaire Tested: P3A13R15W2N902750DE010 E3A451WH\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1343753  
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 E3A451WH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,  
E3A451WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

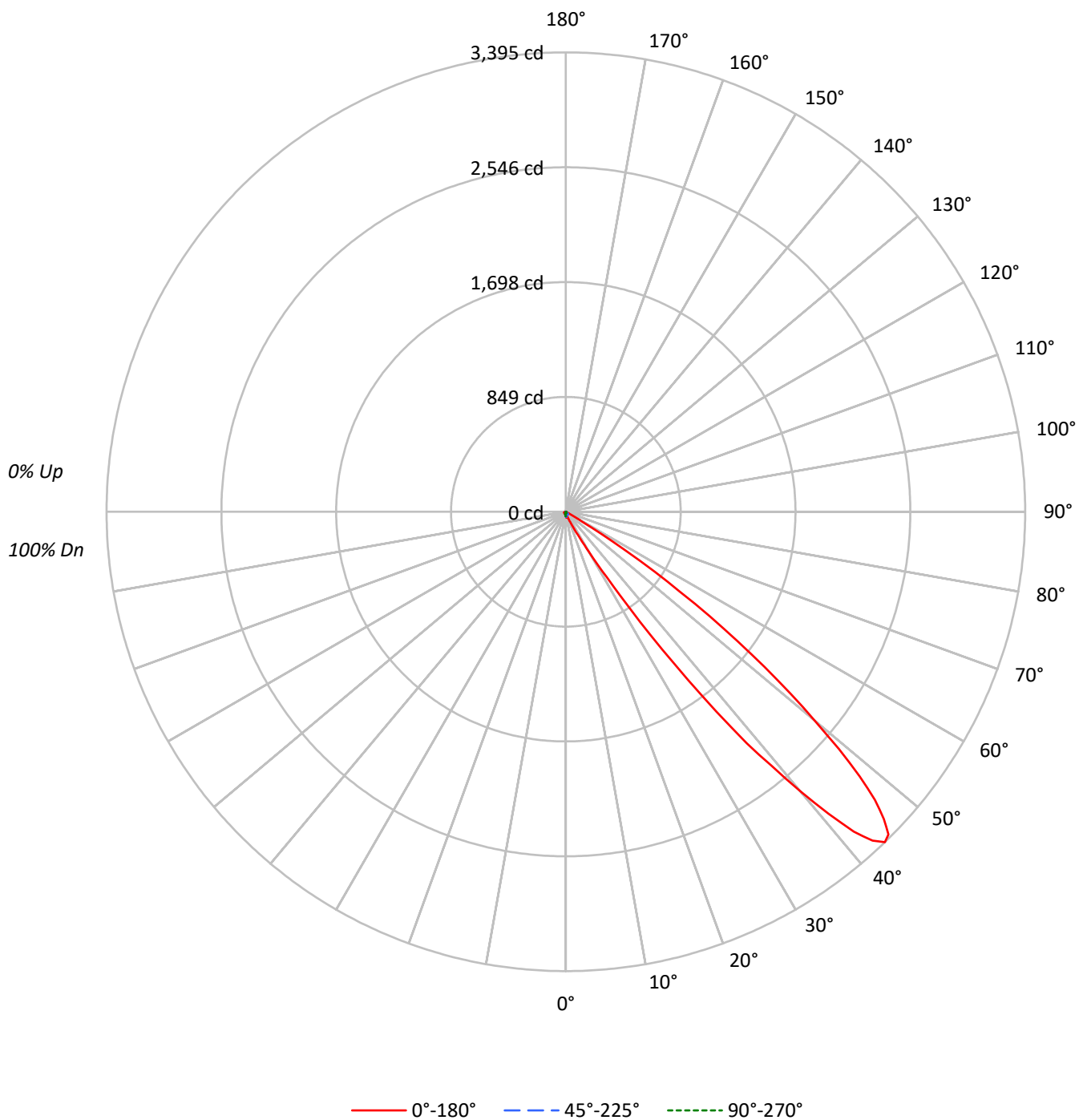
Lumens per Lamp: N/A  
Luminaire Lumens: 379.0 lumens  
Efficiency: N/A  
Efficacy: 30.8 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1343753

CATALOG NUMBER: P3A13R15W2N902750DE010 E3A451WH\_5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1343753

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| RF  | 20  |     |     |     | 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 | 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°  | 7368    | 7368 | 7368 | 7368 | 7368 |
| 5°  | 9157    | 8144 | 6648 | 5833 | 5745 |
| 10° | 8996    | 6992 | 5144 | 4542 | 4631 |
| 15° | 7469    | 4972 | 3678 | 3768 | 4041 |
| 20° | 12974   | 3967 | 2824 | 3267 | 3710 |
| 25° | 28889   | 4766 | 2274 | 3024 | 3484 |
| 30° | 86393   | 5849 | 2000 | 2962 | 3646 |
| 35° | 332608  | 6585 | 1820 | 3025 | 3855 |
| 40° | 772046  | 5725 | 1718 | 3149 | 4122 |
| 45° | 1045690 | 4342 | 1520 | 3411 | 4466 |
| 50° | 819896  | 2593 | 1535 | 3616 | 4912 |
| 55° | 393544  | 1147 | 1453 | 3900 | 5352 |
| 60° | 35962   | 175  | 1316 | 4122 | 5964 |
| 65° | 3943    | 0    | 1193 | 4307 | 6486 |
| 70° | 962     | 0    | 1475 | 4616 | 7052 |
| 75° | 932     | 339  | 1949 | 5083 | 7964 |
| 80° | 1010    | 1010 | 2399 | 5304 | 8587 |
| 85° | 1006    | 1006 | 3774 | 4780 | 9561 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1045690 cd/sqm

TEST NUMBER: P1343753

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.9    | 0.8       |
| 10°-20°   | 6.0    | 1.6       |
| 20°-30°   | 14.3   | 3.8       |
| 30°-40°   | 78.4   | 20.7      |
| 40°-50°   | 189.8  | 50.1      |
| 50°-60°   | 75.7   | 20.0      |
| 60°-70°   | 6.6    | 1.7       |
| 70°-80°   | 3.7    | 1.0       |
| 80°-90°   | 1.6    | 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°    | 23.2   | 6.1       |
| 0°-40°    | 101.6  | 26.8      |
| 0°-60°    | 367.1  | 96.9      |
| 0°-90°    | 379.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 379.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 34   | 34  | 34  | 34   | 34   |      |
| 5°  | 42   | 37  | 30  | 26   | 26   | 4    |
| 15° | 33   | 22  | 16  | 17   | 18   | 11   |
| 25° | 119  | 20  | 9   | 12   | 14   | 72   |
| 35° | 1242 | 25  | 7   | 11   | 14   | 878  |
| 45° | 3372 | 14  | 5   | 11   | 14   | 2379 |
| 55° | 1029 | 3   | 4   | 10   | 14   | 959  |
| 65° | 8    | 0   | 2   | 8    | 12   | 19   |
| 75° | 1    | 0   | 2   | 6    | 9    | 1    |
| 85° | 0    | 0   | 2   | 2    | 4    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1343753

CATALOG NUMBER: P3A13R15W2N902750DE010 E3A451WH\_5000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5° | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0°    | 33.6   | 33.6   | 33.6   | 33.6   | 33.6   | 33.6   | 33.6   | 33.6  | 33.6  | 33.6  | 33.6 |
| 2.5°  | 37.8   | 37.8   | 38.2   | 37.8   | 37.8   | 37.8   | 37.8   | 37.4  | 37.4  | 37.4  | 36.3 |
| 5°    | 41.6   | 41.6   | 41.6   | 41.6   | 41.2   | 41.2   | 41.2   | 40.8  | 40.8  | 40.4  | 37.0 |
| 7.5°  | 43.1   | 43.1   | 42.7   | 42.7   | 42.3   | 42.3   | 41.9   | 41.6  | 41.2  | 40.8  | 35.5 |
| 10°   | 40.4   | 40.4   | 40.4   | 40.1   | 40.1   | 39.7   | 39.3   | 38.9  | 38.5  | 37.8  | 31.4 |
| 12.5° | 35.9   | 35.9   | 36.3   | 35.9   | 35.5   | 35.1   | 34.4   | 34.0  | 33.6  | 32.9  | 26.1 |
| 15°   | 32.9   | 32.9   | 32.9   | 32.5   | 32.1   | 31.4   | 31.0   | 30.2  | 29.9  | 28.7  | 21.9 |
| 17.5° | 41.9   | 41.9   | 41.6   | 40.8   | 39.3   | 38.2   | 36.3   | 34.8  | 32.9  | 30.6  | 18.9 |
| 20°   | 55.6   | 55.6   | 54.8   | 54.0   | 52.2   | 50.3   | 47.2   | 44.6  | 41.6  | 38.9  | 17.0 |
| 22.5° | 80.5   | 81.6   | 79.4   | 76.7   | 74.1   | 69.5   | 65.4   | 61.2  | 55.9  | 51.4  | 17.4 |
| 25°   | 119.4  | 120.5  | 119.4  | 113.4  | 108.5  | 102.4  | 94.5   | 86.2  | 77.1  | 68.8  | 19.7 |
| 27.5° | 193.5  | 194.2  | 192.4  | 177.6  | 169.7  | 153.8  | 139.8  | 126.2 | 111.1 | 96.0  | 21.5 |
| 30°   | 341.2  | 341.6  | 329.5  | 300.1  | 274.0  | 239.2  | 209.7  | 181.4 | 157.6 | 133.4 | 23.1 |
| 31°   | 449.3  | 438.7  | 413.0  | 377.5  | 336.0  | 289.1  | 248.7  | 212.0 | 176.5 | 150.4 | 23.4 |
| 32°   | 570.6  | 569.1  | 526.4  | 464.8  | 409.3  | 350.7  | 289.8  | 243.0 | 202.2 | 166.7 | 23.8 |
| 33°   | 731.2  | 732.0  | 664.7  | 592.2  | 501.1  | 422.5  | 342.8  | 278.5 | 229.4 | 185.9 | 24.6 |
| 34°   | 982.2  | 923.2  | 844.2  | 746.0  | 622.0  | 503.7  | 400.2  | 319.7 | 253.9 | 204.4 | 24.6 |
| 35°   | 1242.5 | 1183.2 | 1096.3 | 947.4  | 777.3  | 611.8  | 468.6  | 363.9 | 283.4 | 224.5 | 24.6 |
| 36°   | 1534.3 | 1484.0 | 1352.5 | 1162.4 | 945.5  | 713.9  | 541.2  | 414.9 | 312.5 | 242.6 | 24.2 |
| 37°   | 1849.4 | 1775.7 | 1629.9 | 1422.4 | 1132.2 | 857.5  | 629.6  | 465.6 | 341.6 | 262.3 | 23.4 |
| 38°   | 2169.5 | 2103.0 | 1919.0 | 1667.7 | 1355.1 | 1009.0 | 718.0  | 514.3 | 368.5 | 277.0 | 22.3 |
| 39°   | 2412.1 | 2375.8 | 2193.3 | 1912.5 | 1533.1 | 1152.6 | 809.1  | 566.5 | 396.8 | 291.7 | 21.2 |
| 40°   | 2697.1 | 2638.5 | 2465.4 | 2118.1 | 1743.6 | 1298.8 | 898.3  | 612.6 | 420.2 | 303.5 | 20.0 |
| 41°   | 2957.1 | 2883.0 | 2664.6 | 2329.0 | 1912.2 | 1430.3 | 982.9  | 660.2 | 439.1 | 310.3 | 19.3 |
| 42°   | 3180.0 | 3093.9 | 2865.6 | 2509.6 | 2053.1 | 1535.4 | 1050.6 | 694.2 | 456.9 | 315.9 | 18.1 |
| 43°   | 3324.4 | 3249.9 | 3025.5 | 2645.3 | 2173.7 | 1631.8 | 1113.7 | 729.7 | 467.8 | 319.7 | 16.6 |
| 44°   | 3394.7 | 3319.5 | 3102.2 | 2730.3 | 2247.7 | 1689.6 | 1154.5 | 754.3 | 479.9 | 324.6 | 15.5 |
| 45°   | 3372.0 | 3295.7 | 3085.5 | 2731.8 | 2270.8 | 1710.4 | 1171.9 | 765.2 | 486.4 | 329.1 | 14.0 |
| 46°   | 3268.1 | 3214.4 | 3002.8 | 2660.8 | 2227.0 | 1688.1 | 1162.0 | 756.9 | 484.1 | 329.1 | 12.5 |
| 47°   | 3122.2 | 3061.0 | 2859.6 | 2538.7 | 2120.8 | 1630.6 | 1122.4 | 731.6 | 470.1 | 321.6 | 11.0 |
| 48°   | 2923.4 | 2871.3 | 2659.7 | 2344.9 | 1957.9 | 1505.5 | 1032.8 | 690.4 | 448.2 | 306.9 | 9.4  |
| 49°   | 2674.0 | 2601.5 | 2404.6 | 2097.0 | 1745.5 | 1327.9 | 915.3  | 620.9 | 413.0 | 286.1 | 8.3  |
| 50°   | 2403.4 | 2313.9 | 2162.0 | 1848.7 | 1526.0 | 1138.6 | 760.7  | 524.9 | 363.5 | 258.9 | 7.6  |
| 51°   | 2138.5 | 2047.5 | 1902.7 | 1636.3 | 1291.7 | 944.7  | 613.7  | 419.1 | 299.3 | 221.4 | 6.4  |
| 52°   | 1863.8 | 1787.5 | 1625.3 | 1416.0 | 1105.7 | 765.6  | 511.3  | 354.5 | 248.7 | 185.9 | 5.3  |
| 53°   | 1590.2 | 1538.0 | 1383.9 | 1171.9 | 888.4  | 625.4  | 417.6  | 303.5 | 216.9 | 159.1 | 4.2  |
| 54°   | 1316.2 | 1259.2 | 1142.0 | 953.1  | 716.1  | 493.5  | 354.1  | 253.9 | 188.2 | 138.7 | 3.8  |
| 55°   | 1029.4 | 999.9  | 891.8  | 726.7  | 542.7  | 393.8  | 287.2  | 218.4 | 157.6 | 116.0 | 3.0  |
| 56°   | 792.8  | 759.6  | 660.9  | 527.2  | 403.2  | 308.4  | 232.4  | 178.4 | 133.4 | 97.1  | 2.3  |
| 57°   | 519.2  | 485.2  | 419.8  | 368.1  | 293.6  | 224.8  | 177.6  | 140.6 | 108.5 | 80.5  | 1.9  |
| 58°   | 306.9  | 275.9  | 265.7  | 226.7  | 195.8  | 152.7  | 131.1  | 104.7 | 80.1  | 63.5  | 1.1  |
| 59°   | 141.0  | 143.2  | 127.4  | 119.4  | 108.5  | 97.1   | 79.7   | 69.9  | 54.8  | 45.7  | 0.8  |
| 60°   | 82.0   | 77.5   | 75.6   | 67.6   | 60.1   | 53.3   | 48.0   | 42.3  | 34.4  | 29.5  | 0.4  |
| 62.5° | 28.0   | 26.8   | 27.6   | 24.9   | 23.4   | 22.7   | 20.8   | 17.8  | 14.7  | 12.1  | 0.0  |
| 65°   | 7.6    | 7.6    | 7.2    | 6.8    | 6.4    | 6.0    | 5.7    | 4.9   | 4.5   | 3.8   | 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° | 2.6 | 2.6  | 2.3 | 2.3  | 1.9 | 1.9   | 1.5 | 1.5   | 1.1 | 1.1   | 0.0 |
| 70°   | 1.5 | 1.5  | 1.5 | 1.1  | 1.1 | 1.1   | 0.8 | 0.8   | 0.8 | 0.4   | 0.0 |
| 72.5° | 1.1 | 1.1  | 1.1 | 1.1  | 1.1 | 1.1   | 0.8 | 0.8   | 0.8 | 0.4   | 0.4 |
| 75°   | 1.1 | 1.1  | 1.1 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 0.4 |
| 77.5° | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |
| 80°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.4   | 0.8 |
| 82.5° | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 | 0.4   | 0.8 |
| 85°   | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.4 |
| 90°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

TEST NUMBER: P1343753

CATALOG NUMBER: P3A13R15W2N902750DE010 E3A451WH\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 33.6  | 33.6 | 33.6   | 33.6 | 33.6   | 33.6 |
| 2.5°  | 34.8  | 33.3 | 31.4   | 30.2 | 29.9   | 29.5 |
| 5°    | 33.3  | 30.2 | 28.0   | 26.5 | 26.1   | 26.1 |
| 7.5°  | 29.9  | 26.5 | 24.2   | 23.4 | 23.1   | 23.1 |
| 10°   | 26.1  | 23.1 | 21.2   | 20.4 | 20.8   | 20.8 |
| 12.5° | 21.9  | 19.3 | 18.5   | 18.5 | 18.9   | 19.3 |
| 15°   | 17.8  | 16.2 | 16.2   | 16.6 | 17.4   | 17.8 |
| 17.5° | 14.7  | 14.0 | 14.4   | 15.1 | 15.9   | 16.6 |
| 20°   | 12.1  | 12.1 | 12.8   | 14.0 | 15.1   | 15.9 |
| 22.5° | 10.2  | 10.6 | 11.7   | 12.8 | 14.4   | 15.1 |
| 25°   | 8.7   | 9.4  | 10.6   | 12.5 | 14.0   | 14.4 |
| 27.5° | 7.6   | 8.7  | 10.2   | 12.1 | 13.6   | 14.4 |
| 30°   | 6.4   | 7.9  | 9.8    | 11.7 | 13.6   | 14.4 |
| 31°   | 6.0   | 7.6  | 9.4    | 11.7 | 13.6   | 14.4 |
| 32°   | 5.7   | 7.6  | 9.4    | 11.7 | 13.6   | 14.4 |
| 33°   | 5.3   | 7.2  | 9.4    | 11.3 | 13.6   | 14.4 |
| 34°   | 4.9   | 7.2  | 9.4    | 11.7 | 13.6   | 14.4 |
| 35°   | 4.5   | 6.8  | 9.1    | 11.3 | 13.2   | 14.4 |
| 36°   | 4.2   | 6.8  | 9.1    | 11.3 | 13.6   | 14.4 |
| 37°   | 3.8   | 6.8  | 9.1    | 11.3 | 13.2   | 14.4 |
| 38°   | 3.8   | 6.4  | 8.7    | 11.3 | 13.2   | 14.4 |
| 39°   | 3.4   | 6.0  | 8.7    | 11.3 | 13.2   | 14.4 |
| 40°   | 3.0   | 6.0  | 8.3    | 11.0 | 13.2   | 14.4 |
| 41°   | 2.6   | 5.7  | 8.3    | 11.0 | 13.2   | 14.4 |
| 42°   | 2.3   | 5.7  | 8.3    | 11.0 | 13.2   | 14.4 |
| 43°   | 1.9   | 5.3  | 7.9    | 11.0 | 13.2   | 14.4 |
| 44°   | 1.9   | 5.3  | 7.9    | 11.0 | 13.2   | 14.4 |
| 45°   | 1.5   | 4.9  | 7.6    | 11.0 | 13.2   | 14.4 |
| 46°   | 1.5   | 4.9  | 7.6    | 10.6 | 13.2   | 14.4 |
| 47°   | 1.1   | 4.9  | 7.6    | 10.6 | 13.2   | 14.4 |
| 48°   | 1.1   | 4.5  | 7.6    | 10.6 | 13.2   | 14.4 |
| 49°   | 0.8   | 4.5  | 7.6    | 10.6 | 13.2   | 14.4 |
| 50°   | 0.8   | 4.5  | 7.2    | 10.6 | 13.2   | 14.4 |
| 51°   | 0.8   | 4.5  | 7.2    | 10.6 | 13.2   | 14.4 |
| 52°   | 0.8   | 4.2  | 7.2    | 10.6 | 13.2   | 14.4 |
| 53°   | 0.8   | 4.2  | 7.2    | 10.6 | 13.2   | 14.4 |
| 54°   | 0.8   | 4.2  | 6.8    | 10.6 | 13.2   | 14.4 |
| 55°   | 0.8   | 3.8  | 6.8    | 10.2 | 13.2   | 14.0 |
| 56°   | 0.8   | 3.8  | 6.8    | 10.2 | 13.2   | 14.0 |
| 57°   | 0.8   | 3.8  | 6.4    | 10.2 | 13.2   | 14.0 |
| 58°   | 0.8   | 3.4  | 6.4    | 9.8  | 12.8   | 14.0 |
| 59°   | 0.8   | 3.4  | 6.0    | 9.8  | 12.8   | 13.6 |
| 60°   | 0.8   | 3.0  | 6.0    | 9.4  | 12.5   | 13.6 |
| 62.5° | 0.8   | 2.6  | 5.3    | 9.1  | 12.1   | 12.8 |
| 65°   | 0.8   | 2.3  | 4.9    | 8.3  | 11.7   | 12.5 |



TEST NUMBER: P1343753

CATALOG NUMBER: P3A13R15W2N902750DE010 E3A451WH\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.8   | 2.3 | 4.5    | 7.9  | 11.0   | 12.1 |
| 70°   | 0.8   | 2.3 | 4.2    | 7.2  | 10.6   | 11.0 |
| 72.5° | 1.1   | 2.3 | 3.8    | 6.8  | 9.8    | 10.2 |
| 75°   | 1.5   | 2.3 | 3.4    | 6.0  | 9.1    | 9.4  |
| 77.5° | 1.5   | 2.3 | 3.0    | 5.3  | 7.9    | 8.3  |
| 80°   | 1.5   | 1.9 | 2.6    | 4.2  | 6.4    | 6.8  |
| 82.5° | 1.5   | 1.9 | 1.9    | 3.4  | 4.9    | 5.3  |
| 85°   | 1.1   | 1.5 | 1.5    | 1.9  | 3.4    | 3.8  |
| 87.5° | 1.1   | 1.5 | 0.8    | 1.1  | 1.5    | 1.5  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)