

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: P1344773

Luminaire Tested: P3A13R25W2N902750DE010 E3CA451MMS\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344773  
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: P3A13R25W2N902750DE010 E3CA451MMS\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,  
E3CA451MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

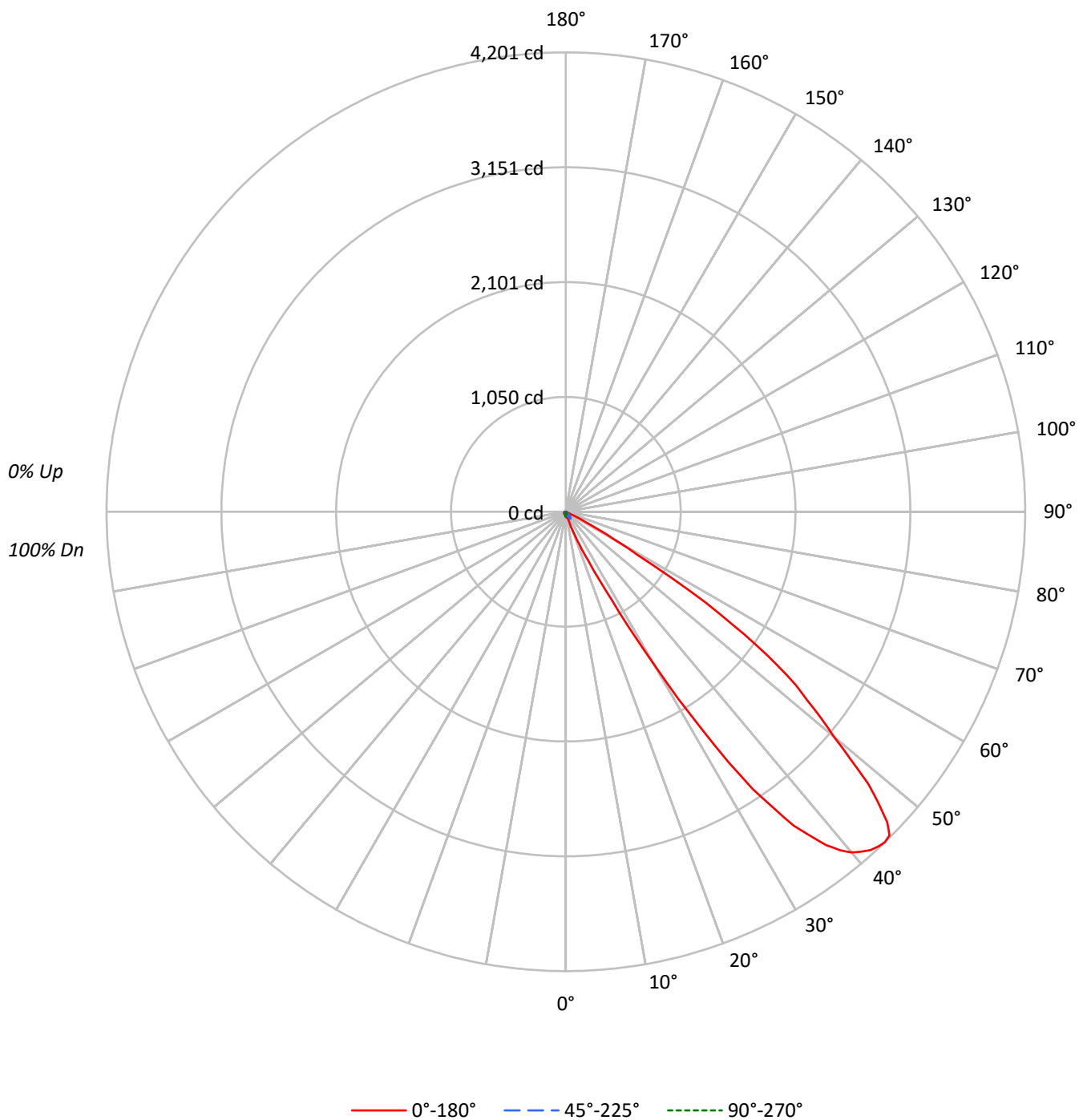
Lumens per Lamp: N/A  
Luminaire Lumens: 876.0 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.61 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1344773

CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA451MMS\_5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1344773

CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA451MMS\_5000K

**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  | 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°  | 9802    | 9802  | 9802 | 9802 | 9802  |
| 5°  | 11204   | 10698 | 9509 | 8475 | 8320  |
| 10° | 11155   | 10131 | 8060 | 7036 | 7036  |
| 15° | 12418   | 8740  | 6311 | 5948 | 6311  |
| 20° | 43894   | 8634  | 4854 | 5040 | 5577  |
| 25° | 126273  | 11009 | 3920 | 4670 | 5420  |
| 30° | 402872  | 16990 | 3114 | 4482 | 5469  |
| 35° | 882367  | 20023 | 2677 | 4337 | 5568  |
| 40° | 1163981 | 18091 | 2204 | 4408 | 5954  |
| 45° | 1298057 | 12683 | 2140 | 4776 | 6450  |
| 50° | 1092638 | 6584  | 2115 | 4981 | 7096  |
| 55° | 816908  | 2638  | 2064 | 5582 | 7952  |
| 60° | 252874  | 658   | 2017 | 6096 | 8771  |
| 65° | 21585   | 0     | 2387 | 6382 | 9599  |
| 70° | 1475    | 513   | 2500 | 7437 | 10899 |
| 75° | 1271    | 678   | 3304 | 7879 | 12370 |
| 80° | 1010    | 1010  | 4925 | 8713 | 14648 |
| 85° | 2013    | 2013  | 7799 | 9812 | 15599 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1298057 cd/sqm

TEST NUMBER: P1344773

CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA451MMS\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.0    | 0.5       |
| 10°-20°   | 10.3   | 1.2       |
| 20°-30°   | 48.5   | 5.5       |
| 30°-40°   | 233.3  | 26.6      |
| 40°-50°   | 365.7  | 41.8      |
| 50°-60°   | 187.5  | 21.4      |
| 60°-70°   | 17.7   | 2.0       |
| 70°-80°   | 6.0    | 0.7       |
| 80°-90°   | 3.0    | 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°    | 62.8   | 7.2       |
| 0°-40°    | 296.1  | 33.8      |
| 0°-60°    | 849.4  | 97.0      |
| 0°-90°    | 876.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 876.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 45   | 45  | 45  | 45   | 45   |      |
| 5°  | 51   | 49  | 43  | 38   | 38   | 5    |
| 15° | 55   | 38  | 28  | 26   | 28   | 23   |
| 25° | 522  | 46  | 16  | 19   | 22   | 324  |
| 35° | 3296 | 75  | 10  | 16   | 21   | 2001 |
| 45° | 4186 | 41  | 7   | 15   | 21   | 3063 |
| 55° | 2137 | 7   | 5   | 15   | 21   | 1779 |
| 65° | 42   | 0   | 5   | 12   | 18   | 130  |
| 75° | 2    | 1   | 4   | 9    | 15   | 2    |
| 85° | 1    | 1   | 3   | 4    | 6    | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1344773

CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA451MMS\_5000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5°  | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| 0°    | 44.7   | 44.7   | 44.7   | 44.7   | 44.7   | 44.7   | 44.7   | 44.7   | 44.7   | 44.7   | 44.7 |
| 2.5°  | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   | 48.6   | 47.8   | 47.8   | 48.6   | 47.8   | 47.8 |
| 5°    | 50.9   | 50.9   | 50.9   | 50.9   | 50.9   | 50.9   | 50.9   | 50.1   | 50.1   | 50.1   | 48.6 |
| 7.5°  | 51.6   | 50.9   | 50.9   | 50.9   | 50.9   | 50.9   | 50.9   | 50.9   | 50.1   | 50.1   | 47.8 |
| 10°   | 50.1   | 50.1   | 50.1   | 50.1   | 49.3   | 49.3   | 49.3   | 48.6   | 48.6   | 48.6   | 45.5 |
| 12.5° | 50.1   | 50.1   | 50.1   | 50.1   | 49.3   | 49.3   | 48.6   | 48.6   | 47.8   | 47.0   | 41.6 |
| 15°   | 54.7   | 54.7   | 54.7   | 54.0   | 53.2   | 52.4   | 51.6   | 50.9   | 50.1   | 48.6   | 38.5 |
| 17.5° | 80.2   | 77.9   | 77.1   | 74.0   | 70.1   | 66.3   | 63.2   | 60.1   | 57.0   | 54.7   | 37.0 |
| 20°   | 188.1  | 187.3  | 183.5  | 174.2  | 164.2  | 152.6  | 141.1  | 128.0  | 109.5  | 97.1   | 37.0 |
| 22.5° | 326.1  | 321.4  | 314.5  | 307.6  | 289.8  | 269.0  | 247.4  | 222.8  | 198.9  | 173.4  | 39.3 |
| 25°   | 521.9  | 532.7  | 509.5  | 491.0  | 460.2  | 422.4  | 381.6  | 347.7  | 304.5  | 264.4  | 45.5 |
| 27.5° | 907.3  | 914.2  | 868.8  | 808.6  | 736.9  | 657.5  | 580.5  | 522.6  | 450.2  | 383.9  | 57.0 |
| 30°   | 1591.1 | 1598.0 | 1521.7 | 1393.7 | 1245.7 | 1115.4 | 938.9  | 784.0  | 641.4  | 531.1  | 67.1 |
| 31°   | 1985.7 | 1931.8 | 1843.1 | 1719.0 | 1531.7 | 1335.1 | 1123.1 | 935.8  | 755.4  | 610.5  | 70.1 |
| 32°   | 2328.8 | 2324.1 | 2220.8 | 2032.8 | 1844.7 | 1601.8 | 1339.0 | 1094.6 | 873.4  | 690.7  | 72.5 |
| 33°   | 2733.5 | 2702.6 | 2556.9 | 2379.6 | 2130.7 | 1886.3 | 1547.1 | 1268.1 | 994.4  | 780.1  | 74.0 |
| 34°   | 3058.0 | 2974.7 | 2914.6 | 2711.9 | 2449.0 | 2137.6 | 1774.5 | 1451.5 | 1145.5 | 866.4  | 74.8 |
| 35°   | 3296.2 | 3278.5 | 3161.3 | 2972.4 | 2704.9 | 2386.6 | 2019.7 | 1641.9 | 1271.9 | 966.7  | 74.8 |
| 36°   | 3548.3 | 3493.5 | 3379.4 | 3208.3 | 2947.8 | 2618.6 | 2207.0 | 1806.9 | 1419.2 | 1056.8 | 74.0 |
| 37°   | 3706.3 | 3673.9 | 3560.6 | 3384.1 | 3128.9 | 2814.4 | 2416.6 | 1981.1 | 1536.3 | 1147.0 | 72.5 |
| 38°   | 3868.9 | 3803.4 | 3691.6 | 3522.8 | 3272.3 | 2977.1 | 2568.5 | 2115.2 | 1644.2 | 1226.4 | 70.1 |
| 39°   | 3981.5 | 3913.7 | 3799.6 | 3631.5 | 3386.4 | 3093.5 | 2688.8 | 2229.3 | 1738.3 | 1285.8 | 67.1 |
| 40°   | 4066.3 | 4000.8 | 3885.1 | 3712.5 | 3470.4 | 3185.2 | 2789.0 | 2330.3 | 1816.9 | 1337.4 | 63.2 |
| 41°   | 4118.7 | 4057.8 | 3942.9 | 3771.0 | 3528.2 | 3237.6 | 2854.5 | 2395.8 | 1870.1 | 1372.1 | 59.4 |
| 42°   | 4162.6 | 4100.2 | 3983.0 | 3807.3 | 3563.7 | 3282.3 | 2894.6 | 2437.5 | 1906.3 | 1389.9 | 56.3 |
| 43°   | 4187.3 | 4124.9 | 4010.8 | 3831.2 | 3585.3 | 3303.1 | 2916.2 | 2456.7 | 1918.7 | 1387.5 | 50.9 |
| 44°   | 4201.2 | 4136.4 | 4021.6 | 3842.0 | 3594.5 | 3308.5 | 2917.7 | 2452.9 | 1910.2 | 1369.0 | 46.3 |
| 45°   | 4185.8 | 4121.8 | 4010.8 | 3831.2 | 3578.3 | 3291.6 | 2902.3 | 2432.1 | 1877.8 | 1332.8 | 40.9 |
| 46°   | 4085.6 | 4036.2 | 3934.5 | 3769.5 | 3527.5 | 3248.4 | 2863.0 | 2392.0 | 1827.7 | 1288.1 | 34.7 |
| 47°   | 3909.0 | 3869.7 | 3771.0 | 3648.5 | 3429.6 | 3169.0 | 2790.5 | 2315.7 | 1757.6 | 1221.0 | 27.8 |
| 48°   | 3724.8 | 3667.0 | 3575.2 | 3449.6 | 3264.6 | 3026.4 | 2671.0 | 2203.9 | 1651.2 | 1133.2 | 24.7 |
| 49°   | 3452.7 | 3418.8 | 3337.8 | 3197.5 | 3044.1 | 2834.4 | 2502.2 | 2060.5 | 1520.9 | 1037.6 | 21.6 |
| 50°   | 3202.9 | 3179.8 | 3066.5 | 2963.2 | 2800.5 | 2604.7 | 2273.3 | 1871.6 | 1359.0 | 918.9  | 19.3 |
| 51°   | 3007.9 | 2980.1 | 2898.4 | 2769.7 | 2596.3 | 2368.9 | 2056.7 | 1626.5 | 1173.2 | 777.8  | 15.4 |
| 52°   | 2804.4 | 2789.0 | 2716.5 | 2583.9 | 2413.6 | 2186.9 | 1846.2 | 1418.4 | 992.9  | 657.5  | 12.3 |
| 53°   | 2637.9 | 2615.5 | 2526.9 | 2408.9 | 2224.7 | 1990.4 | 1618.0 | 1224.9 | 841.0  | 552.7  | 10.8 |
| 54°   | 2395.1 | 2385.8 | 2328.8 | 2205.4 | 2005.8 | 1750.6 | 1411.4 | 1031.4 | 701.5  | 468.7  | 9.3  |
| 55°   | 2136.8 | 2106.0 | 2048.2 | 1950.3 | 1766.8 | 1528.6 | 1172.5 | 854.9  | 567.4  | 394.7  | 6.9  |
| 56°   | 1822.3 | 1820.8 | 1717.5 | 1635.8 | 1473.1 | 1220.3 | 936.6  | 667.6  | 461.0  | 329.2  | 6.2  |
| 57°   | 1521.7 | 1473.1 | 1373.7 | 1292.7 | 1117.7 | 925.8  | 695.3  | 500.3  | 360.8  | 266.7  | 4.6  |
| 58°   | 1125.5 | 1100.0 | 1073.8 | 955.1  | 793.2  | 656.0  | 496.4  | 351.5  | 266.7  | 203.5  | 3.1  |
| 59°   | 763.9  | 763.2  | 732.3  | 642.1  | 548.9  | 408.6  | 309.9  | 239.0  | 183.5  | 149.5  | 2.3  |
| 60°   | 576.6  | 562.7  | 501.1  | 441.7  | 345.3  | 258.2  | 183.5  | 141.1  | 114.1  | 96.4   | 1.5  |
| 62.5° | 202.0  | 209.7  | 184.2  | 152.6  | 116.4  | 95.6   | 73.2   | 59.4   | 48.6   | 39.3   | 0.0  |
| 65°   | 41.6   | 45.5   | 39.3   | 37.0   | 29.3   | 25.4   | 22.4   | 19.3   | 16.2   | 13.9   | 0.0  |



TEST NUMBER: P1344773

CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA451MMS\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 5.4 | 4.6  | 4.6 | 4.6  | 3.9 | 3.9   | 3.9 | 3.9   | 3.1 | 3.1   | 0.8 |
| 70°   | 2.3 | 2.3  | 2.3 | 2.3  | 2.3 | 2.3   | 1.5 | 1.5   | 1.5 | 1.5   | 0.8 |
| 72.5° | 2.3 | 2.3  | 2.3 | 1.5  | 1.5 | 1.5   | 1.5 | 1.5   | 1.5 | 0.8   | 0.8 |
| 75°   | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.5   | 1.5 | 0.8   | 0.8 | 0.8   | 0.8 |
| 77.5° | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.5   | 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 | 0.8   | 0.8 |
| 82.5° | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 1.5 |
| 85°   | 0.8 | 0.8  | 0.8 | 0.0  | 0.0 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.8 |
| 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: P1344773

CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA451MMS\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 44.7  | 44.7 | 44.7   | 44.7 | 44.7   | 44.7 |
| 2.5°  | 47.0  | 45.5 | 43.2   | 42.4 | 41.6   | 41.6 |
| 5°    | 46.3  | 43.2 | 40.9   | 38.5 | 37.8   | 37.8 |
| 7.5°  | 43.9  | 40.1 | 37.0   | 35.5 | 34.7   | 33.9 |
| 10°   | 41.6  | 36.2 | 33.1   | 31.6 | 31.6   | 31.6 |
| 12.5° | 37.0  | 32.4 | 29.3   | 28.5 | 29.3   | 29.3 |
| 15°   | 33.1  | 27.8 | 26.2   | 26.2 | 27.0   | 27.8 |
| 17.5° | 28.5  | 24.7 | 23.1   | 23.9 | 24.7   | 25.4 |
| 20°   | 25.4  | 20.8 | 20.8   | 21.6 | 23.9   | 23.9 |
| 22.5° | 22.4  | 18.5 | 18.5   | 20.8 | 22.4   | 23.1 |
| 25°   | 20.0  | 16.2 | 17.0   | 19.3 | 21.6   | 22.4 |
| 27.5° | 17.0  | 13.9 | 15.4   | 18.5 | 20.8   | 21.6 |
| 30°   | 14.6  | 12.3 | 14.6   | 17.7 | 20.0   | 21.6 |
| 31°   | 13.9  | 11.6 | 14.6   | 17.0 | 20.0   | 21.6 |
| 32°   | 12.3  | 11.6 | 13.9   | 17.0 | 20.0   | 20.8 |
| 33°   | 11.6  | 10.8 | 13.9   | 17.0 | 20.0   | 20.8 |
| 34°   | 10.8  | 10.0 | 13.1   | 17.0 | 20.0   | 20.8 |
| 35°   | 9.3   | 10.0 | 13.1   | 16.2 | 19.3   | 20.8 |
| 36°   | 8.5   | 9.3  | 13.1   | 16.2 | 19.3   | 20.8 |
| 37°   | 7.7   | 9.3  | 12.3   | 16.2 | 19.3   | 20.8 |
| 38°   | 6.9   | 8.5  | 12.3   | 16.2 | 19.3   | 20.8 |
| 39°   | 6.2   | 8.5  | 11.6   | 16.2 | 19.3   | 20.8 |
| 40°   | 5.4   | 7.7  | 11.6   | 15.4 | 19.3   | 20.8 |
| 41°   | 5.4   | 7.7  | 11.6   | 15.4 | 19.3   | 20.8 |
| 42°   | 4.6   | 7.7  | 11.6   | 15.4 | 19.3   | 20.8 |
| 43°   | 3.9   | 6.9  | 11.6   | 15.4 | 19.3   | 20.8 |
| 44°   | 3.1   | 6.9  | 10.8   | 15.4 | 19.3   | 20.8 |
| 45°   | 3.1   | 6.9  | 10.8   | 15.4 | 19.3   | 20.8 |
| 46°   | 2.3   | 6.2  | 10.8   | 15.4 | 19.3   | 20.8 |
| 47°   | 1.5   | 6.2  | 10.8   | 14.6 | 19.3   | 20.8 |
| 48°   | 1.5   | 6.2  | 10.8   | 14.6 | 19.3   | 20.8 |
| 49°   | 1.5   | 6.2  | 10.0   | 14.6 | 19.3   | 20.8 |
| 50°   | 1.5   | 6.2  | 10.0   | 14.6 | 19.3   | 20.8 |
| 51°   | 0.8   | 5.4  | 10.0   | 14.6 | 19.3   | 20.8 |
| 52°   | 0.8   | 5.4  | 10.0   | 14.6 | 19.3   | 21.6 |
| 53°   | 0.8   | 5.4  | 10.0   | 14.6 | 19.3   | 20.8 |
| 54°   | 0.8   | 5.4  | 9.3    | 14.6 | 19.3   | 20.8 |
| 55°   | 0.8   | 5.4  | 9.3    | 14.6 | 19.3   | 20.8 |
| 56°   | 0.8   | 4.6  | 9.3    | 13.9 | 19.3   | 20.8 |
| 57°   | 1.5   | 4.6  | 9.3    | 13.9 | 19.3   | 20.0 |
| 58°   | 1.5   | 4.6  | 9.3    | 13.9 | 18.5   | 20.0 |
| 59°   | 1.5   | 4.6  | 9.3    | 13.9 | 18.5   | 20.0 |
| 60°   | 1.5   | 4.6  | 8.5    | 13.9 | 18.5   | 20.0 |
| 62.5° | 1.5   | 4.6  | 8.5    | 13.1 | 17.7   | 19.3 |
| 65°   | 1.5   | 4.6  | 7.7    | 12.3 | 17.7   | 18.5 |





TEST NUMBER: P1344773

CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA451MMS\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.5   | 3.9 | 7.7    | 11.6 | 17.0   | 17.7 |
| 70°   | 2.3   | 3.9 | 6.9    | 11.6 | 16.2   | 17.0 |
| 72.5° | 2.3   | 3.9 | 6.9    | 10.0 | 14.6   | 16.2 |
| 75°   | 2.3   | 3.9 | 6.2    | 9.3  | 13.9   | 14.6 |
| 77.5° | 2.3   | 3.9 | 5.4    | 8.5  | 12.3   | 13.1 |
| 80°   | 3.1   | 3.9 | 4.6    | 6.9  | 10.8   | 11.6 |
| 82.5° | 3.1   | 3.9 | 3.9    | 5.4  | 8.5    | 9.3  |
| 85°   | 2.3   | 3.1 | 3.1    | 3.9  | 5.4    | 6.2  |
| 87.5° | 2.3   | 3.1 | 2.3    | 1.5  | 3.1    | 3.1  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)