

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: P1343697

Luminaire Tested: P3A13R15B2750DE010 E3CA451MW\_4000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1343697  
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: P3A13R15B2750DE010 E3CA451MW\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 80CRI , E3CA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

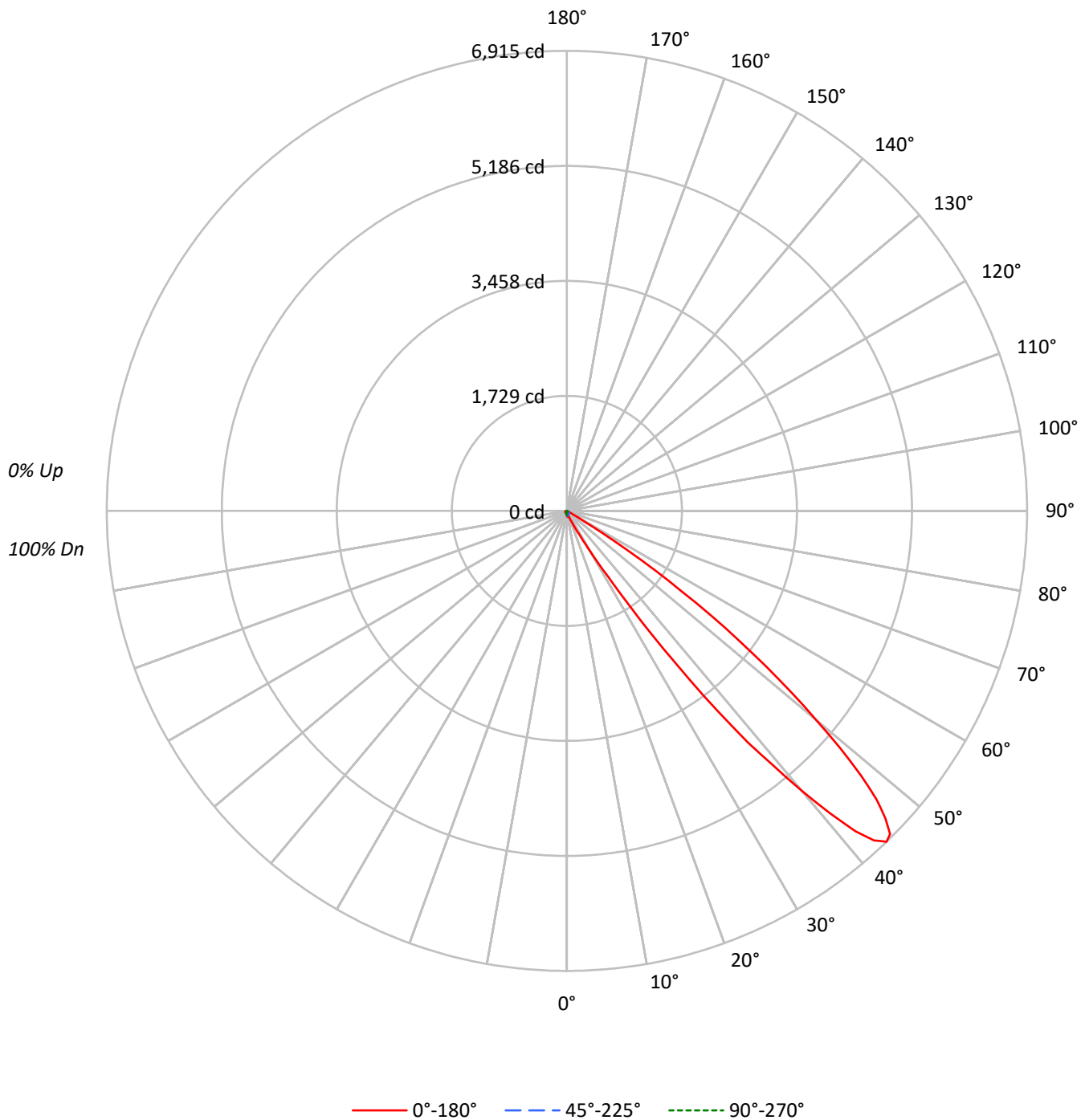
Lumens per Lamp: N/A  
Luminaire Lumens: 772.0 lumens  
Efficiency: N/A  
Efficacy: 40.4 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.1  
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: P1343697

CATALOG NUMBER: P3A13R15B2750DE010 E3CA451MW\_4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1343697

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

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

|     | 0°      | 45°   | 90°   | 135°  | 180°  |
|-----|---------|-------|-------|-------|-------|
| 0°  | 15021   | 15021 | 15021 | 15021 | 15021 |
| 5°  | 18644   | 16597 | 13559 | 11864 | 11688 |
| 10° | 18347   | 14228 | 10465 | 9263  | 9419  |
| 15° | 15210   | 10125 | 7514  | 7696  | 8218  |
| 20° | 26416   | 8074  | 5740  | 6651  | 7537  |
| 25° | 58842   | 9678  | 4645  | 6146  | 7089  |
| 30° | 176002  | 11901 | 4102  | 6052  | 7419  |
| 35° | 677529  | 13385 | 3721  | 6184  | 7843  |
| 40° | 1572604 | 11679 | 3521  | 6383  | 8387  |
| 45° | 2129989 | 8838  | 3101  | 6915  | 9086  |
| 50° | 1670120 | 5254  | 3138  | 7369  | 9995  |
| 55° | 801615  | 2370  | 2944  | 7952  | 10896 |
| 60° | 73240   | 351   | 2719  | 8420  | 12148 |
| 65° | 7990    | 0     | 2387  | 8769  | 13179 |
| 70° | 1988    | 0     | 2949  | 9361  | 14297 |
| 75° | 1949    | 678   | 3897  | 10421 | 16267 |
| 80° | 1894    | 1894  | 4799  | 10734 | 17553 |
| 85° | 2013    | 2013  | 7799  | 9561  | 19373 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2129989 cd/sqm

TEST NUMBER: P1343697

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.9    | 0.8       |
| 10°-20°   | 12.2   | 1.6       |
| 20°-30°   | 29.2   | 3.8       |
| 30°-40°   | 159.7  | 20.7      |
| 40°-50°   | 386.7  | 50.1      |
| 50°-60°   | 154.3  | 20.0      |
| 60°-70°   | 13.3   | 1.7       |
| 70°-80°   | 7.5    | 1.0       |
| 80°-90°   | 3.3    | 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°    | 47.2   | 6.1       |
| 0°-40°    | 206.9  | 26.8      |
| 0°-60°    | 747.8  | 96.9      |
| 0°-90°    | 772.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 772.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 68   | 68  | 68  | 68   | 68   |      |
| 5°  | 85   | 75  | 62  | 54   | 53   | 8    |
| 15° | 67   | 45  | 33  | 34   | 36   | 23   |
| 25° | 243  | 40  | 19  | 25   | 29   | 147  |
| 35° | 2531 | 50  | 14  | 23   | 29   | 1788 |
| 45° | 6868 | 28  | 10  | 22   | 29   | 4845 |
| 55° | 2097 | 6   | 8   | 21   | 28   | 1953 |
| 65° | 15   | 0   | 5   | 17   | 25   | 40   |
| 75° | 2    | 1   | 5   | 12   | 19   | 2    |
| 85° | 1    | 1   | 3   | 4    | 8    | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1343697

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 0°    | 68.5   | 68.5   | 68.5   | 68.5   | 68.5   | 68.5   | 68.5   | 68.5   | 68.5  | 68.5  | 68.5 |
| 2.5°  | 77.0   | 77.0   | 77.7   | 77.0   | 77.0   | 77.0   | 77.0   | 76.2   | 76.2  | 76.2  | 73.9 |
| 5°    | 84.7   | 84.7   | 84.7   | 84.7   | 83.9   | 83.9   | 83.9   | 83.1   | 83.1  | 82.4  | 75.4 |
| 7.5°  | 87.8   | 87.8   | 87.0   | 87.0   | 86.2   | 86.2   | 85.4   | 84.7   | 83.9  | 83.1  | 72.4 |
| 10°   | 82.4   | 82.4   | 82.4   | 81.6   | 81.6   | 80.8   | 80.1   | 79.3   | 78.5  | 77.0  | 63.9 |
| 12.5° | 73.1   | 73.1   | 73.9   | 73.1   | 72.4   | 71.6   | 70.0   | 69.3   | 68.5  | 67.0  | 53.1 |
| 15°   | 67.0   | 67.0   | 67.0   | 66.2   | 65.4   | 63.9   | 63.1   | 61.6   | 60.8  | 58.5  | 44.6 |
| 17.5° | 85.4   | 85.4   | 84.7   | 83.1   | 80.1   | 77.7   | 73.9   | 70.8   | 67.0  | 62.4  | 38.5 |
| 20°   | 113.2  | 113.2  | 111.6  | 110.1  | 106.2  | 102.4  | 96.2   | 90.8   | 84.7  | 79.3  | 34.6 |
| 22.5° | 164.0  | 166.3  | 161.6  | 156.3  | 150.9  | 141.6  | 133.2  | 124.7  | 113.9 | 104.7 | 35.4 |
| 25°   | 243.2  | 245.6  | 243.2  | 230.9  | 220.9  | 208.6  | 192.4  | 175.5  | 157.0 | 140.1 | 40.0 |
| 27.5° | 394.1  | 395.7  | 391.8  | 361.8  | 345.6  | 313.3  | 284.8  | 257.1  | 226.3 | 195.5 | 43.9 |
| 30°   | 695.1  | 695.9  | 671.2  | 611.2  | 558.1  | 487.3  | 427.2  | 369.5  | 321.0 | 271.7 | 47.0 |
| 31°   | 915.2  | 893.7  | 841.3  | 769.0  | 684.3  | 588.9  | 506.5  | 431.8  | 359.5 | 306.4 | 47.7 |
| 32°   | 1162.3 | 1159.3 | 1072.3 | 946.8  | 833.6  | 714.3  | 590.4  | 495.0  | 411.8 | 339.5 | 48.5 |
| 33°   | 1489.5 | 1491.0 | 1354.0 | 1206.2 | 1020.7 | 860.6  | 698.2  | 567.3  | 467.2 | 378.7 | 50.0 |
| 34°   | 2000.6 | 1880.5 | 1719.6 | 1519.5 | 1267.0 | 1026.1 | 815.2  | 651.2  | 517.3 | 416.4 | 50.0 |
| 35°   | 2531.0 | 2410.1 | 2233.1 | 1929.8 | 1583.4 | 1246.2 | 954.5  | 741.3  | 577.3 | 457.2 | 50.0 |
| 36°   | 3125.2 | 3022.8 | 2755.0 | 2367.8 | 1925.9 | 1454.1 | 1102.3 | 845.2  | 636.6 | 494.2 | 49.3 |
| 37°   | 3767.2 | 3617.1 | 3320.0 | 2897.4 | 2306.2 | 1746.6 | 1282.4 | 948.3  | 695.9 | 534.2 | 47.7 |
| 38°   | 4419.2 | 4283.7 | 3908.8 | 3396.9 | 2760.3 | 2055.3 | 1462.5 | 1047.6 | 750.5 | 564.2 | 45.4 |
| 39°   | 4913.4 | 4839.5 | 4467.7 | 3895.7 | 3122.9 | 2347.8 | 1648.0 | 1153.9 | 808.2 | 594.3 | 43.1 |
| 40°   | 5493.8 | 5374.4 | 5021.9 | 4314.5 | 3551.7 | 2645.7 | 1829.7 | 1247.8 | 856.0 | 618.1 | 40.8 |
| 41°   | 6023.3 | 5872.5 | 5427.6 | 4744.0 | 3895.0 | 2913.5 | 2002.1 | 1344.8 | 894.5 | 632.0 | 39.3 |
| 42°   | 6477.5 | 6302.0 | 5837.1 | 5112.0 | 4182.1 | 3127.5 | 2139.9 | 1414.0 | 930.6 | 643.5 | 36.9 |
| 43°   | 6771.5 | 6619.9 | 6162.7 | 5388.3 | 4427.6 | 3323.8 | 2268.5 | 1486.4 | 953.0 | 651.2 | 33.9 |
| 44°   | 6914.7 | 6761.5 | 6318.9 | 5561.5 | 4578.5 | 3441.6 | 2351.6 | 1536.4 | 977.6 | 661.2 | 31.6 |
| 45°   | 6868.5 | 6713.0 | 6285.1 | 5564.6 | 4625.5 | 3483.9 | 2387.0 | 1558.8 | 990.7 | 670.5 | 28.5 |
| 46°   | 6656.9 | 6547.5 | 6116.5 | 5419.9 | 4536.2 | 3438.5 | 2367.0 | 1541.8 | 986.1 | 670.5 | 25.4 |
| 47°   | 6359.7 | 6235.0 | 5824.7 | 5171.2 | 4319.9 | 3321.5 | 2286.2 | 1490.2 | 957.6 | 655.1 | 22.3 |
| 48°   | 5954.8 | 5848.6 | 5417.5 | 4776.3 | 3988.1 | 3066.7 | 2103.7 | 1406.3 | 912.9 | 625.0 | 19.2 |
| 49°   | 5446.8 | 5299.0 | 4898.0 | 4271.4 | 3555.5 | 2704.9 | 1864.4 | 1264.7 | 841.3 | 582.7 | 16.9 |
| 50°   | 4895.7 | 4713.2 | 4403.8 | 3765.6 | 3108.3 | 2319.3 | 1549.5 | 1069.2 | 740.5 | 527.3 | 15.4 |
| 51°   | 4356.1 | 4170.5 | 3875.7 | 3333.0 | 2631.0 | 1924.4 | 1250.1 | 853.7  | 609.6 | 451.1 | 13.1 |
| 52°   | 3796.4 | 3640.9 | 3310.7 | 2884.3 | 2252.3 | 1559.5 | 1041.5 | 722.0  | 506.5 | 378.7 | 10.8 |
| 53°   | 3239.1 | 3132.9 | 2818.8 | 2387.0 | 1809.7 | 1273.9 | 850.6  | 618.1  | 441.8 | 324.1 | 8.5  |
| 54°   | 2681.1 | 2564.8 | 2326.2 | 1941.3 | 1458.7 | 1005.3 | 721.3  | 517.3  | 383.3 | 282.5 | 7.7  |
| 55°   | 2096.8 | 2036.8 | 1816.6 | 1480.2 | 1105.4 | 802.1  | 585.0  | 444.9  | 321.0 | 236.3 | 6.2  |
| 56°   | 1614.9 | 1547.2 | 1346.3 | 1073.8 | 821.3  | 628.1  | 473.4  | 363.3  | 271.7 | 197.8 | 4.6  |
| 57°   | 1057.6 | 988.4  | 855.2  | 749.7  | 598.1  | 458.0  | 361.8  | 286.3  | 220.9 | 164.0 | 3.8  |
| 58°   | 625.0  | 561.9  | 541.1  | 461.9  | 398.7  | 311.0  | 267.1  | 213.2  | 163.2 | 129.3 | 2.3  |
| 59°   | 287.1  | 291.7  | 259.4  | 243.2  | 220.9  | 197.8  | 162.4  | 142.4  | 111.6 | 93.1  | 1.5  |
| 60°   | 167.0  | 157.8  | 154.0  | 137.8  | 122.4  | 108.5  | 97.8   | 86.2   | 70.0  | 60.0  | 0.8  |
| 62.5° | 57.0   | 54.7   | 56.2   | 50.8   | 47.7   | 46.2   | 42.3   | 36.2   | 30.0  | 24.6  | 0.0  |
| 65°   | 15.4   | 15.4   | 14.6   | 13.9   | 13.1   | 12.3   | 11.5   | 10.0   | 9.2   | 7.7   | 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° | 5.4 | 5.4  | 4.6 | 4.6  | 3.8 | 3.8   | 3.1 | 3.1   | 2.3 | 2.3   | 0.0 |
| 70°   | 3.1 | 3.1  | 3.1 | 2.3  | 2.3 | 2.3   | 1.5 | 1.5   | 1.5 | 0.8   | 0.0 |
| 72.5° | 2.3 | 2.3  | 2.3 | 2.3  | 2.3 | 2.3   | 1.5 | 1.5   | 1.5 | 0.8   | 0.8 |
| 75°   | 2.3 | 2.3  | 2.3 | 1.5  | 1.5 | 1.5   | 1.5 | 1.5   | 1.5 | 1.5   | 0.8 |
| 77.5° | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.5   | 1.5 | 1.5   | 1.5 | 1.5   | 1.5 |
| 80°   | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.5   | 1.5 | 1.5   | 1.5 | 0.8   | 1.5 |
| 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 | 0.8  | 0.8 | 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: P1343697

CATALOG NUMBER: P3A13R15B2750DE010 E3CA451MW\_4000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 68.5  | 68.5 | 68.5   | 68.5 | 68.5   | 68.5 |
| 2.5°  | 70.8  | 67.7 | 63.9   | 61.6 | 60.8   | 60.0 |
| 5°    | 67.7  | 61.6 | 57.0   | 53.9 | 53.1   | 53.1 |
| 7.5°  | 60.8  | 53.9 | 49.3   | 47.7 | 47.0   | 47.0 |
| 10°   | 53.1  | 47.0 | 43.1   | 41.6 | 42.3   | 42.3 |
| 12.5° | 44.6  | 39.3 | 37.7   | 37.7 | 38.5   | 39.3 |
| 15°   | 36.2  | 33.1 | 33.1   | 33.9 | 35.4   | 36.2 |
| 17.5° | 30.0  | 28.5 | 29.3   | 30.8 | 32.3   | 33.9 |
| 20°   | 24.6  | 24.6 | 26.2   | 28.5 | 30.8   | 32.3 |
| 22.5° | 20.8  | 21.6 | 23.9   | 26.2 | 29.3   | 30.8 |
| 25°   | 17.7  | 19.2 | 21.6   | 25.4 | 28.5   | 29.3 |
| 27.5° | 15.4  | 17.7 | 20.8   | 24.6 | 27.7   | 29.3 |
| 30°   | 13.1  | 16.2 | 20.0   | 23.9 | 27.7   | 29.3 |
| 31°   | 12.3  | 15.4 | 19.2   | 23.9 | 27.7   | 29.3 |
| 32°   | 11.5  | 15.4 | 19.2   | 23.9 | 27.7   | 29.3 |
| 33°   | 10.8  | 14.6 | 19.2   | 23.1 | 27.7   | 29.3 |
| 34°   | 10.0  | 14.6 | 19.2   | 23.9 | 27.7   | 29.3 |
| 35°   | 9.2   | 13.9 | 18.5   | 23.1 | 26.9   | 29.3 |
| 36°   | 8.5   | 13.9 | 18.5   | 23.1 | 27.7   | 29.3 |
| 37°   | 7.7   | 13.9 | 18.5   | 23.1 | 26.9   | 29.3 |
| 38°   | 7.7   | 13.1 | 17.7   | 23.1 | 26.9   | 29.3 |
| 39°   | 6.9   | 12.3 | 17.7   | 23.1 | 26.9   | 29.3 |
| 40°   | 6.2   | 12.3 | 16.9   | 22.3 | 26.9   | 29.3 |
| 41°   | 5.4   | 11.5 | 16.9   | 22.3 | 26.9   | 29.3 |
| 42°   | 4.6   | 11.5 | 16.9   | 22.3 | 26.9   | 29.3 |
| 43°   | 3.8   | 10.8 | 16.2   | 22.3 | 26.9   | 29.3 |
| 44°   | 3.8   | 10.8 | 16.2   | 22.3 | 26.9   | 29.3 |
| 45°   | 3.1   | 10.0 | 15.4   | 22.3 | 26.9   | 29.3 |
| 46°   | 3.1   | 10.0 | 15.4   | 21.6 | 26.9   | 29.3 |
| 47°   | 2.3   | 10.0 | 15.4   | 21.6 | 26.9   | 29.3 |
| 48°   | 2.3   | 9.2  | 15.4   | 21.6 | 26.9   | 29.3 |
| 49°   | 1.5   | 9.2  | 15.4   | 21.6 | 26.9   | 29.3 |
| 50°   | 1.5   | 9.2  | 14.6   | 21.6 | 26.9   | 29.3 |
| 51°   | 1.5   | 9.2  | 14.6   | 21.6 | 26.9   | 29.3 |
| 52°   | 1.5   | 8.5  | 14.6   | 21.6 | 26.9   | 29.3 |
| 53°   | 1.5   | 8.5  | 14.6   | 21.6 | 26.9   | 29.3 |
| 54°   | 1.5   | 8.5  | 13.9   | 21.6 | 26.9   | 29.3 |
| 55°   | 1.5   | 7.7  | 13.9   | 20.8 | 26.9   | 28.5 |
| 56°   | 1.5   | 7.7  | 13.9   | 20.8 | 26.9   | 28.5 |
| 57°   | 1.5   | 7.7  | 13.1   | 20.8 | 26.9   | 28.5 |
| 58°   | 1.5   | 6.9  | 13.1   | 20.0 | 26.2   | 28.5 |
| 59°   | 1.5   | 6.9  | 12.3   | 20.0 | 26.2   | 27.7 |
| 60°   | 1.5   | 6.2  | 12.3   | 19.2 | 25.4   | 27.7 |
| 62.5° | 1.5   | 5.4  | 10.8   | 18.5 | 24.6   | 26.2 |
| 65°   | 1.5   | 4.6  | 10.0   | 16.9 | 23.9   | 25.4 |



TEST NUMBER: P1343697

CATALOG NUMBER: P3A13R15B2750DE010 E3CA451MW\_4000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.5   | 4.6 | 9.2    | 16.2 | 22.3   | 24.6 |
| 70°   | 1.5   | 4.6 | 8.5    | 14.6 | 21.6   | 22.3 |
| 72.5° | 2.3   | 4.6 | 7.7    | 13.9 | 20.0   | 20.8 |
| 75°   | 3.1   | 4.6 | 6.9    | 12.3 | 18.5   | 19.2 |
| 77.5° | 3.1   | 4.6 | 6.2    | 10.8 | 16.2   | 16.9 |
| 80°   | 3.1   | 3.8 | 5.4    | 8.5  | 13.1   | 13.9 |
| 82.5° | 3.1   | 3.8 | 3.8    | 6.9  | 10.0   | 10.8 |
| 85°   | 2.3   | 3.1 | 3.1    | 3.8  | 6.9    | 7.7  |
| 87.5° | 2.3   | 3.1 | 1.5    | 2.3  | 3.1    | 3.1  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)