

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: P1334596

Luminaire Tested: P3A02R20B2750DE010 E3A451WMH\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1334596  
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: P3A02R20B2750DE010 E3A451WMH\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3A451WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

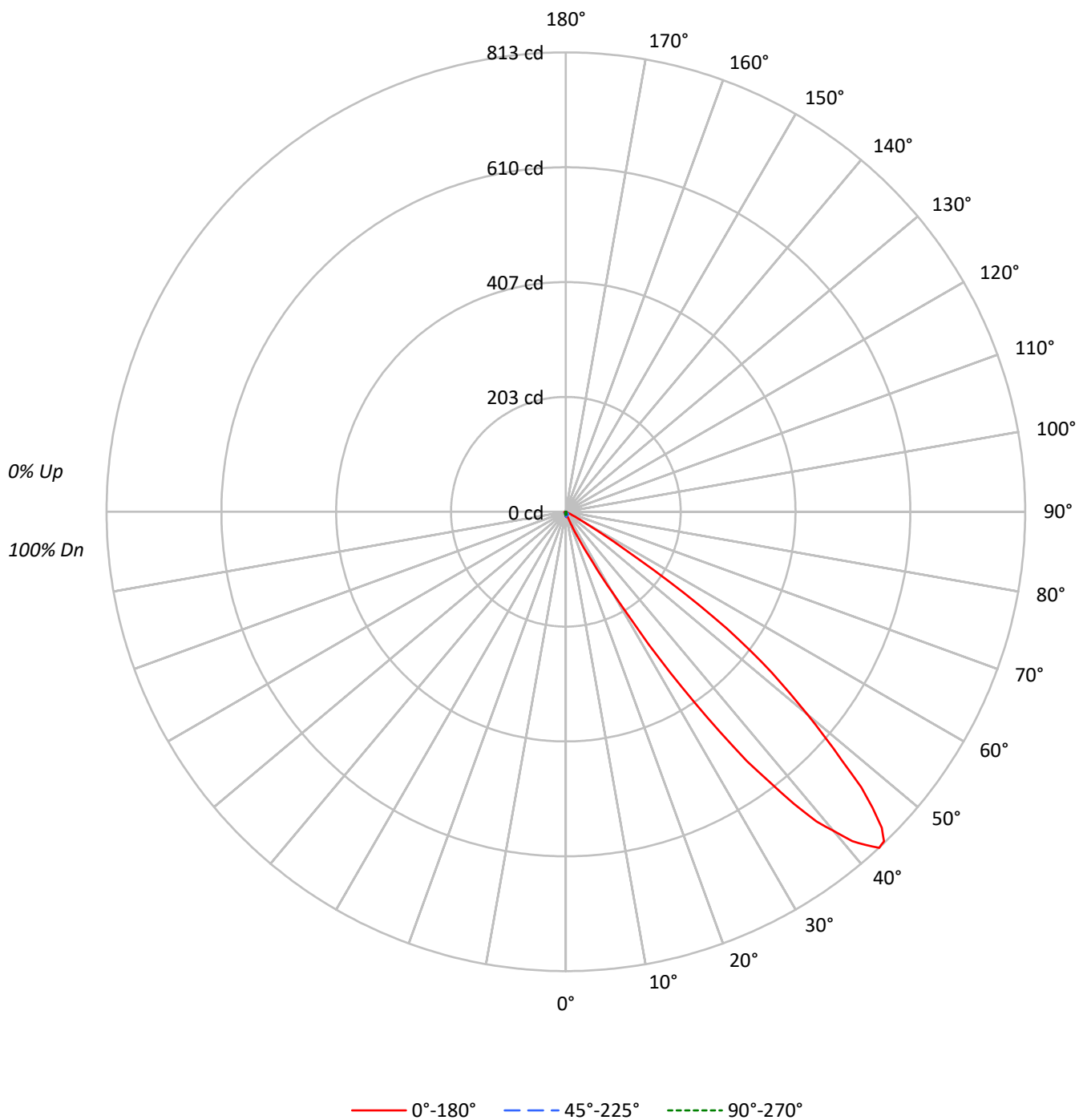
Lumens per Lamp: N/A  
Luminaire Lumens: 113.0 lumens  
Efficiency: N/A  
Efficacy: 39.0 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 2.9  
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: P1334596

CATALOG NUMBER: P3A02R20B2750DE010 E3A451WMH\_5000K

### Luminous Intensity Polar Plot



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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 | 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°  | 1732   | 1732 | 1732 | 1732 | 1732 |
| 5°  | 2003   | 1871 | 1607 | 1409 | 1365 |
| 10° | 1982   | 1692 | 1269 | 1091 | 1069 |
| 15° | 1725   | 1294 | 931  | 863  | 908  |
| 20° | 2567   | 1097 | 700  | 747  | 817  |
| 25° | 11105  | 1137 | 532  | 677  | 798  |
| 30° | 41981  | 1367 | 456  | 633  | 785  |
| 35° | 127234 | 1660 | 428  | 642  | 830  |
| 40° | 210995 | 1632 | 372  | 687  | 887  |
| 45° | 245235 | 1116 | 341  | 713  | 961  |
| 50° | 190356 | 614  | 341  | 751  | 1092 |
| 55° | 110180 | 421  | 306  | 841  | 1185 |
| 60° | 18639  | 88   | 263  | 877  | 1316 |
| 65° | 1453   | 0    | 311  | 986  | 1505 |
| 70° | 192    | 0    | 385  | 1090 | 1731 |
| 75° | 169    | 85   | 424  | 1271 | 1949 |
| 80° | 126    | 126  | 631  | 1389 | 2273 |
| 85° | 252    | 252  | 1006 | 1258 | 2516 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 245235 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.7    | 0.6       |
| 10°-20°   | 1.4    | 1.3       |
| 20°-30°   | 4.5    | 4.0       |
| 30°-40°   | 28.8   | 25.5      |
| 40°-50°   | 52.7   | 46.7      |
| 50°-60°   | 21.7   | 19.2      |
| 60°-70°   | 1.8    | 1.6       |
| 70°-80°   | 0.9    | 0.8       |
| 80°-90°   | 0.4    | 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°    | 6.6    | 5.8       |
| 0°-40°    | 35.4   | 31.4      |
| 0°-60°    | 109.8  | 97.2      |
| 0°-90°    | 113.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 113.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 8   | 8   | 8   | 8    | 8    |      |
| 5°  | 9   | 8   | 7   | 6    | 6    | 1    |
| 15° | 8   | 6   | 4   | 4    | 4    | 2    |
| 25° | 46  | 5   | 2   | 3    | 3    | 30   |
| 35° | 475 | 6   | 2   | 2    | 3    | 301  |
| 45° | 791 | 4   | 1   | 2    | 3    | 568  |
| 55° | 288 | 1   | 1   | 2    | 3    | 252  |
| 65° | 3   | 0   | 1   | 2    | 3    | 9    |
| 75° | 0   | 0   | 0   | 2    | 2    | 0    |
| 85° | 0   | 0   | 0   | 0    | 1    | 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°    | 7.9   | 7.9   | 7.9   | 7.9   | 7.9   | 7.9   | 7.9   | 7.9   | 7.9   | 7.9   | 7.9 |
| 2.5°  | 8.6   | 8.6   | 8.6   | 8.5   | 8.5   | 8.6   | 8.5   | 8.5   | 8.5   | 8.5   | 8.4 |
| 5°    | 9.1   | 9.1   | 9.1   | 9.1   | 9.1   | 9.1   | 9.1   | 9.0   | 9.0   | 8.9   | 8.5 |
| 7.5°  | 9.3   | 9.3   | 9.3   | 9.3   | 9.2   | 9.2   | 9.2   | 9.2   | 9.1   | 9.0   | 8.3 |
| 10°   | 8.9   | 8.9   | 8.9   | 8.8   | 8.8   | 8.8   | 8.7   | 8.7   | 8.6   | 8.5   | 7.6 |
| 12.5° | 8.1   | 8.1   | 8.1   | 8.1   | 8.0   | 8.0   | 7.9   | 7.9   | 7.8   | 7.6   | 6.7 |
| 15°   | 7.6   | 7.6   | 7.6   | 7.5   | 7.5   | 7.4   | 7.3   | 7.2   | 7.1   | 6.9   | 5.7 |
| 17.5° | 8.3   | 8.3   | 8.2   | 8.2   | 8.0   | 7.8   | 7.6   | 7.3   | 7.1   | 6.8   | 5.1 |
| 20°   | 11.0  | 11.2  | 10.7  | 10.4  | 10.2  | 9.6   | 9.2   | 8.7   | 8.3   | 7.8   | 4.7 |
| 22.5° | 22.3  | 21.9  | 21.1  | 20.0  | 18.6  | 17.4  | 15.3  | 13.6  | 12.4  | 10.8  | 4.6 |
| 25°   | 45.9  | 45.5  | 43.4  | 41.7  | 37.5  | 34.2  | 29.6  | 25.9  | 22.1  | 18.4  | 4.7 |
| 27.5° | 87.2  | 84.3  | 83.8  | 76.0  | 70.1  | 61.6  | 52.8  | 45.3  | 38.5  | 31.0  | 5.0 |
| 30°   | 165.8 | 162.5 | 150.9 | 139.2 | 123.2 | 105.0 | 87.7  | 71.6  | 58.1  | 45.9  | 5.4 |
| 31°   | 210.4 | 213.6 | 200.0 | 176.5 | 152.8 | 129.6 | 105.9 | 85.4  | 68.0  | 52.8  | 5.6 |
| 32°   | 276.5 | 262.6 | 248.3 | 224.2 | 189.8 | 160.0 | 130.3 | 100.8 | 77.8  | 60.2  | 5.8 |
| 33°   | 339.1 | 330.9 | 309.0 | 279.0 | 237.7 | 195.9 | 157.4 | 118.9 | 89.9  | 69.2  | 5.9 |
| 34°   | 405.8 | 396.7 | 379.0 | 335.9 | 290.5 | 235.9 | 184.5 | 139.9 | 104.4 | 78.1  | 6.1 |
| 35°   | 475.3 | 471.5 | 437.3 | 399.9 | 344.2 | 278.2 | 217.1 | 162.8 | 118.5 | 86.1  | 6.2 |
| 36°   | 545.3 | 533.0 | 506.2 | 451.6 | 393.4 | 317.4 | 251.3 | 184.1 | 132.8 | 95.7  | 6.2 |
| 37°   | 598.0 | 595.2 | 559.7 | 506.5 | 438.2 | 359.3 | 280.8 | 207.8 | 147.3 | 103.9 | 6.2 |
| 38°   | 656.1 | 645.1 | 609.1 | 555.0 | 480.2 | 397.6 | 311.7 | 228.4 | 161.0 | 111.3 | 6.1 |
| 39°   | 705.0 | 688.8 | 652.5 | 598.9 | 516.9 | 426.7 | 336.2 | 248.4 | 173.1 | 117.4 | 5.9 |
| 40°   | 737.1 | 725.8 | 687.9 | 627.7 | 550.3 | 454.2 | 361.1 | 264.8 | 182.1 | 122.1 | 5.7 |
| 41°   | 772.5 | 753.8 | 716.3 | 655.7 | 574.5 | 478.4 | 376.7 | 275.7 | 189.1 | 125.2 | 5.5 |
| 42°   | 793.6 | 778.3 | 733.8 | 674.5 | 591.8 | 492.2 | 389.4 | 284.0 | 193.4 | 126.8 | 5.1 |
| 43°   | 813.3 | 792.5 | 749.2 | 685.5 | 603.3 | 502.0 | 395.3 | 287.8 | 194.3 | 126.8 | 4.6 |
| 44°   | 810.7 | 790.9 | 746.0 | 687.0 | 605.8 | 504.8 | 397.7 | 287.9 | 192.8 | 125.2 | 4.0 |
| 45°   | 790.8 | 771.2 | 730.7 | 674.0 | 596.7 | 499.2 | 392.8 | 283.6 | 188.7 | 122.4 | 3.6 |
| 46°   | 754.4 | 734.9 | 703.9 | 652.3 | 579.7 | 486.5 | 381.4 | 274.4 | 181.8 | 118.0 | 3.2 |
| 47°   | 714.8 | 695.8 | 664.0 | 617.4 | 550.7 | 463.7 | 365.0 | 261.4 | 172.1 | 111.5 | 2.9 |
| 48°   | 657.3 | 645.4 | 613.6 | 573.8 | 510.5 | 428.2 | 336.1 | 240.3 | 159.2 | 103.1 | 2.4 |
| 49°   | 606.6 | 594.0 | 566.1 | 523.3 | 458.0 | 386.8 | 301.6 | 214.6 | 142.3 | 93.8  | 2.1 |
| 50°   | 558.0 | 547.1 | 521.3 | 473.0 | 410.7 | 336.7 | 255.0 | 182.2 | 121.1 | 82.2  | 1.8 |
| 51°   | 510.6 | 502.4 | 476.1 | 431.7 | 368.4 | 298.3 | 220.9 | 151.8 | 100.0 | 68.2  | 1.7 |
| 52°   | 462.9 | 461.9 | 433.4 | 388.5 | 327.3 | 260.0 | 187.8 | 128.1 | 84.8  | 57.2  | 1.6 |
| 53°   | 411.6 | 405.4 | 380.5 | 340.1 | 281.4 | 220.0 | 159.2 | 108.0 | 73.1  | 48.7  | 1.4 |
| 54°   | 353.2 | 346.3 | 319.5 | 283.1 | 229.9 | 180.2 | 128.3 | 87.3  | 60.8  | 41.2  | 1.3 |
| 55°   | 288.2 | 276.4 | 257.0 | 219.6 | 179.6 | 137.5 | 99.1  | 69.1  | 48.6  | 34.3  | 1.1 |
| 56°   | 218.7 | 206.9 | 195.9 | 168.4 | 131.8 | 102.6 | 73.8  | 53.0  | 38.0  | 27.1  | 1.0 |
| 57°   | 152.1 | 151.4 | 133.5 | 112.4 | 88.1  | 69.9  | 50.5  | 37.4  | 26.9  | 21.0  | 0.7 |
| 58°   | 98.7  | 95.4  | 83.9  | 71.7  | 57.7  | 43.6  | 32.5  | 25.4  | 18.3  | 14.3  | 0.6 |
| 59°   | 69.1  | 62.5  | 56.4  | 47.8  | 36.3  | 27.5  | 20.9  | 16.2  | 12.6  | 10.0  | 0.4 |
| 60°   | 42.5  | 41.1  | 37.0  | 29.1  | 23.6  | 19.4  | 15.6  | 12.0  | 9.2   | 7.1   | 0.2 |
| 62.5° | 12.1  | 12.3  | 11.2  | 9.9   | 8.5   | 7.3   | 6.6   | 5.6   | 4.7   | 3.7   | 0.0 |
| 65°   | 2.8   | 2.7   | 2.9   | 2.7   | 2.4   | 2.4   | 2.1   | 1.9   | 1.7   | 1.6   | 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° | 0.8 | 0.8  | 0.7 | 0.7  | 0.7 | 0.6   | 0.6 | 0.5   | 0.5 | 0.4   | 0.0 |
| 70°   | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.2   | 0.2 | 0.2   | 0.1 | 0.1   | 0.0 |
| 72.5° | 0.3 | 0.3  | 0.3 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.1 | 0.1   | 0.1 |
| 75°   | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.1   | 0.1 | 0.1   | 0.1 |
| 77.5° | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.1   | 0.2 | 0.1   | 0.1 | 0.1   | 0.1 |
| 80°   | 0.1 | 0.1  | 0.1 | 0.1  | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 |
| 82.5° | 0.1 | 0.1  | 0.1 | 0.1  | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1   | 0.1 |
| 85°   | 0.1 | 0.1  | 0.1 | 0.1  | 0.0 | 0.0   | 0.1 | 0.1   | 0.1 | 0.0   | 0.1 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 |
| 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°    | 7.9   | 7.9 | 7.9    | 7.9  | 7.9    | 7.9  |
| 2.5°  | 8.2   | 7.8 | 7.4    | 7.1  | 7.0    | 7.0  |
| 5°    | 8.0   | 7.3 | 6.7    | 6.4  | 6.2    | 6.2  |
| 7.5°  | 7.3   | 6.6 | 5.9    | 5.6  | 5.5    | 5.5  |
| 10°   | 6.6   | 5.7 | 5.1    | 4.9  | 4.9    | 4.8  |
| 12.5° | 5.7   | 4.9 | 4.5    | 4.4  | 4.4    | 4.4  |
| 15°   | 4.8   | 4.1 | 3.8    | 3.8  | 3.9    | 4.0  |
| 17.5° | 4.0   | 3.4 | 3.3    | 3.5  | 3.7    | 3.7  |
| 20°   | 3.4   | 3.0 | 3.0    | 3.2  | 3.4    | 3.5  |
| 22.5° | 2.9   | 2.5 | 2.7    | 3.0  | 3.3    | 3.4  |
| 25°   | 2.5   | 2.2 | 2.4    | 2.8  | 3.1    | 3.3  |
| 27.5° | 2.1   | 2.0 | 2.2    | 2.7  | 3.1    | 3.2  |
| 30°   | 1.8   | 1.8 | 2.1    | 2.5  | 3.0    | 3.1  |
| 31°   | 1.7   | 1.7 | 2.1    | 2.5  | 3.0    | 3.1  |
| 32°   | 1.6   | 1.7 | 2.0    | 2.5  | 3.0    | 3.1  |
| 33°   | 1.5   | 1.6 | 2.0    | 2.4  | 3.0    | 3.1  |
| 34°   | 1.4   | 1.6 | 2.0    | 2.4  | 3.0    | 3.1  |
| 35°   | 1.3   | 1.6 | 2.0    | 2.4  | 3.0    | 3.1  |
| 36°   | 1.2   | 1.5 | 1.9    | 2.4  | 3.0    | 3.1  |
| 37°   | 1.1   | 1.5 | 1.9    | 2.4  | 3.0    | 3.1  |
| 38°   | 1.0   | 1.4 | 1.9    | 2.4  | 3.0    | 3.1  |
| 39°   | 1.0   | 1.4 | 1.8    | 2.4  | 2.9    | 3.1  |
| 40°   | 0.8   | 1.3 | 1.8    | 2.4  | 2.9    | 3.1  |
| 41°   | 0.7   | 1.3 | 1.8    | 2.3  | 2.9    | 3.1  |
| 42°   | 0.6   | 1.2 | 1.7    | 2.3  | 2.9    | 3.1  |
| 43°   | 0.5   | 1.2 | 1.7    | 2.3  | 2.9    | 3.1  |
| 44°   | 0.5   | 1.1 | 1.7    | 2.3  | 2.9    | 3.1  |
| 45°   | 0.4   | 1.1 | 1.7    | 2.3  | 2.9    | 3.1  |
| 46°   | 0.3   | 1.1 | 1.7    | 2.3  | 2.9    | 3.1  |
| 47°   | 0.3   | 1.0 | 1.6    | 2.3  | 2.9    | 3.1  |
| 48°   | 0.2   | 1.0 | 1.6    | 2.3  | 2.9    | 3.1  |
| 49°   | 0.2   | 1.0 | 1.6    | 2.3  | 2.9    | 3.2  |
| 50°   | 0.2   | 1.0 | 1.6    | 2.2  | 2.9    | 3.2  |
| 51°   | 0.1   | 1.0 | 1.6    | 2.2  | 2.9    | 3.2  |
| 52°   | 0.1   | 1.0 | 1.5    | 2.2  | 3.0    | 3.2  |
| 53°   | 0.1   | 0.8 | 1.5    | 2.2  | 3.0    | 3.2  |
| 54°   | 0.1   | 0.8 | 1.5    | 2.2  | 3.0    | 3.1  |
| 55°   | 0.1   | 0.8 | 1.5    | 2.2  | 2.9    | 3.1  |
| 56°   | 0.1   | 0.7 | 1.5    | 2.2  | 2.9    | 3.1  |
| 57°   | 0.1   | 0.7 | 1.4    | 2.1  | 2.9    | 3.0  |
| 58°   | 0.1   | 0.7 | 1.4    | 2.1  | 2.9    | 3.0  |
| 59°   | 0.1   | 0.7 | 1.4    | 2.1  | 2.8    | 3.0  |
| 60°   | 0.2   | 0.6 | 1.3    | 2.0  | 2.8    | 3.0  |
| 62.5° | 0.2   | 0.6 | 1.3    | 2.0  | 2.7    | 2.9  |
| 65°   | 0.2   | 0.6 | 1.2    | 1.9  | 2.7    | 2.9  |



TEST NUMBER: P1334596

CATALOG NUMBER: P3A02R20B2750DE010 E3A451WMH\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.2   | 0.5 | 1.1    | 1.8  | 2.5    | 2.8  |
| 70°   | 0.2   | 0.6 | 1.1    | 1.7  | 2.4    | 2.7  |
| 72.5° | 0.3   | 0.5 | 1.0    | 1.6  | 2.3    | 2.5  |
| 75°   | 0.3   | 0.5 | 1.0    | 1.5  | 2.2    | 2.3  |
| 77.5° | 0.4   | 0.5 | 0.8    | 1.3  | 2.0    | 2.1  |
| 80°   | 0.4   | 0.5 | 0.7    | 1.1  | 1.7    | 1.8  |
| 82.5° | 0.4   | 0.5 | 0.5    | 0.8  | 1.3    | 1.4  |
| 85°   | 0.3   | 0.4 | 0.4    | 0.5  | 0.8    | 1.0  |
| 87.5° | 0.3   | 0.4 | 0.3    | 0.2  | 0.4    | 0.4  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)