

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: P1334908

Luminaire Tested: P3A02R25B2750DE010 E3A451MW\_3500K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1334908  
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: P3A02R25B2750DE010 E3A451MW\_3500K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 80CRI , E3A451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

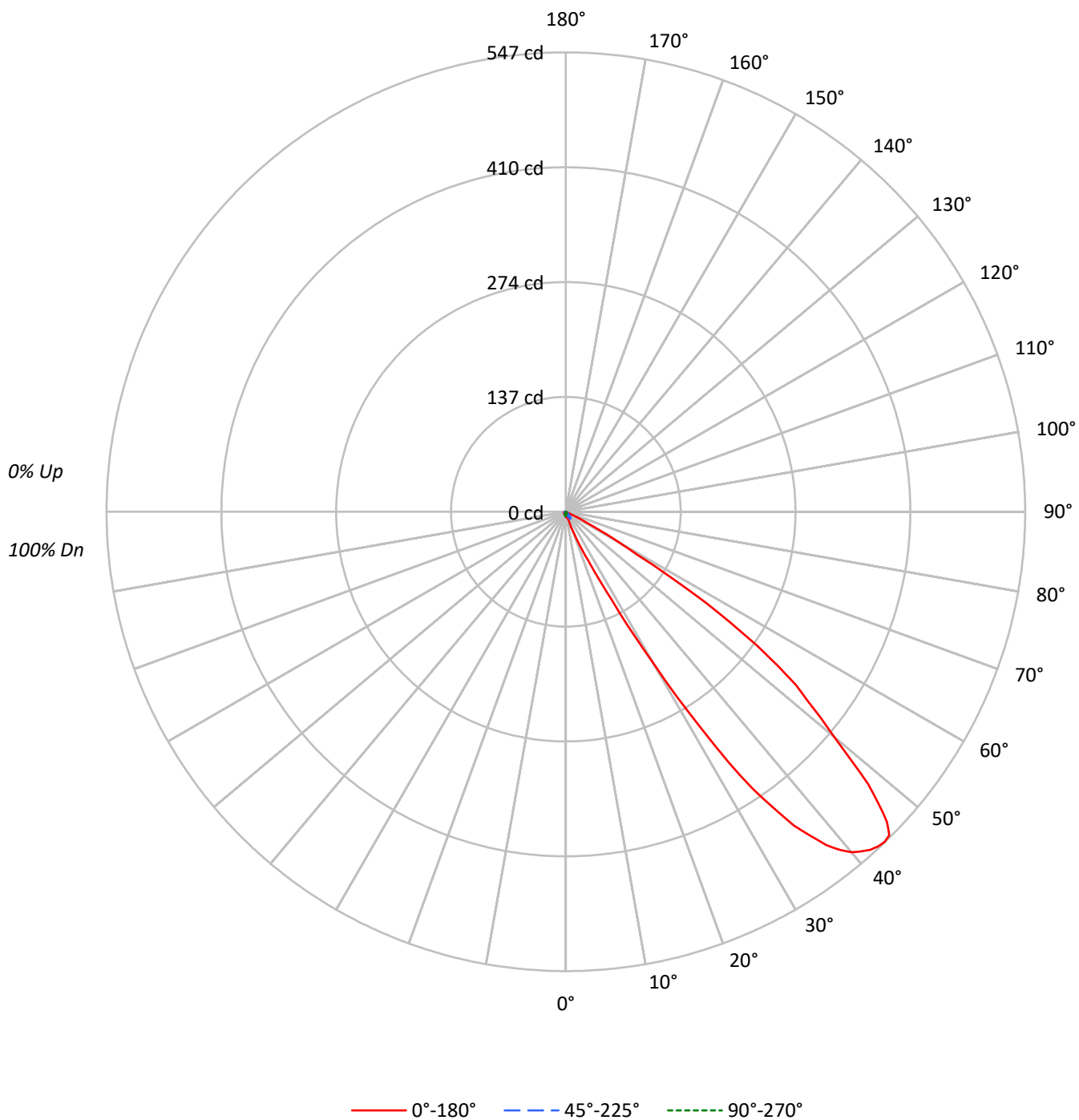
Lumens per Lamp: N/A  
Luminaire Lumens: 114.0 lumens  
Efficiency: N/A  
Efficacy: 39.3 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

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### 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  | 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°  | 1272   | 1272 | 1272 | 1272 | 1272 |
| 5°  | 1453   | 1387 | 1233 | 1101 | 1079 |
| 10° | 1447   | 1314 | 1047 | 913  | 913  |
| 15° | 1612   | 1135 | 817  | 772  | 817  |
| 20° | 5717   | 1120 | 630  | 653  | 723  |
| 25° | 16428  | 1428 | 508  | 605  | 702  |
| 30° | 52438  | 2203 | 405  | 582  | 709  |
| 35° | 114840 | 2597 | 348  | 562  | 723  |
| 40° | 151484 | 2347 | 286  | 573  | 773  |
| 45° | 168917 | 1644 | 279  | 620  | 837  |
| 50° | 142187 | 853  | 273  | 648  | 921  |
| 55° | 106319 | 344  | 268  | 726  | 1032 |
| 60° | 32892  | 88   | 263  | 789  | 1140 |
| 65° | 2802   | 0    | 311  | 830  | 1245 |
| 70° | 192    | 64   | 321  | 962  | 1410 |
| 75° | 169    | 85   | 424  | 1017 | 1610 |
| 80° | 126    | 126  | 631  | 1137 | 1894 |
| 85° | 252    | 252  | 1006 | 1258 | 2013 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 168917 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.5    | 0.5       |
| 10°-20°   | 1.3    | 1.2       |
| 20°-30°   | 6.3    | 5.5       |
| 30°-40°   | 30.4   | 26.6      |
| 40°-50°   | 47.6   | 41.8      |
| 50°-60°   | 24.4   | 21.4      |
| 60°-70°   | 2.3    | 2.0       |
| 70°-80°   | 0.8    | 0.7       |
| 80°-90°   | 0.4    | 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°    | 8.2    | 7.2       |
| 0°-40°    | 38.5   | 33.8      |
| 0°-60°    | 110.5  | 97.0      |
| 0°-90°    | 114.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 114.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 6   | 6   | 6   | 6    | 6    |      |
| 5°  | 7   | 6   | 6   | 5    | 5    | 1    |
| 15° | 7   | 5   | 4   | 3    | 4    | 3    |
| 25° | 68  | 6   | 2   | 2    | 3    | 42   |
| 35° | 429 | 10  | 1   | 2    | 3    | 260  |
| 45° | 545 | 5   | 1   | 2    | 3    | 399  |
| 55° | 278 | 1   | 1   | 2    | 3    | 232  |
| 65° | 5   | 0   | 1   | 2    | 2    | 17   |
| 75° | 0   | 0   | 0   | 1    | 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°    | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8 |
| 2.5°  | 6.3   | 6.3   | 6.3   | 6.3   | 6.3   | 6.3   | 6.2   | 6.2   | 6.3   | 6.2   | 6.2 |
| 5°    | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.5   | 6.5   | 6.5   | 6.3 |
| 7.5°  | 6.7   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.5   | 6.5   | 6.2 |
| 10°   | 6.5   | 6.5   | 6.5   | 6.5   | 6.4   | 6.4   | 6.4   | 6.3   | 6.3   | 6.3   | 5.9 |
| 12.5° | 6.5   | 6.5   | 6.5   | 6.5   | 6.4   | 6.4   | 6.3   | 6.3   | 6.2   | 6.1   | 5.4 |
| 15°   | 7.1   | 7.1   | 7.1   | 7.0   | 6.9   | 6.8   | 6.7   | 6.6   | 6.5   | 6.3   | 5.0 |
| 17.5° | 10.4  | 10.1  | 10.0  | 9.6   | 9.1   | 8.6   | 8.2   | 7.8   | 7.4   | 7.1   | 4.8 |
| 20°   | 24.5  | 24.4  | 23.9  | 22.7  | 21.4  | 19.9  | 18.4  | 16.7  | 14.2  | 12.6  | 4.8 |
| 22.5° | 42.4  | 41.8  | 40.9  | 40.0  | 37.7  | 35.0  | 32.2  | 29.0  | 25.9  | 22.6  | 5.1 |
| 25°   | 67.9  | 69.3  | 66.3  | 63.9  | 59.9  | 55.0  | 49.7  | 45.2  | 39.6  | 34.4  | 5.9 |
| 27.5° | 118.1 | 119.0 | 113.1 | 105.2 | 95.9  | 85.6  | 75.5  | 68.0  | 58.6  | 50.0  | 7.4 |
| 30°   | 207.1 | 208.0 | 198.0 | 181.4 | 162.1 | 145.2 | 122.2 | 102.0 | 83.5  | 69.1  | 8.7 |
| 31°   | 258.4 | 251.4 | 239.9 | 223.7 | 199.3 | 173.7 | 146.2 | 121.8 | 98.3  | 79.5  | 9.1 |
| 32°   | 303.1 | 302.5 | 289.0 | 264.5 | 240.1 | 208.5 | 174.3 | 142.5 | 113.7 | 89.9  | 9.4 |
| 33°   | 355.7 | 351.7 | 332.8 | 309.7 | 277.3 | 245.5 | 201.3 | 165.0 | 129.4 | 101.5 | 9.6 |
| 34°   | 398.0 | 387.1 | 379.3 | 352.9 | 318.7 | 278.2 | 230.9 | 188.9 | 149.1 | 112.8 | 9.7 |
| 35°   | 429.0 | 426.6 | 411.4 | 386.8 | 352.0 | 310.6 | 262.8 | 213.7 | 165.5 | 125.8 | 9.7 |
| 36°   | 461.8 | 454.6 | 439.8 | 417.5 | 383.6 | 340.8 | 287.2 | 235.1 | 184.7 | 137.5 | 9.6 |
| 37°   | 482.3 | 478.1 | 463.4 | 440.4 | 407.2 | 366.3 | 314.5 | 257.8 | 199.9 | 149.3 | 9.4 |
| 38°   | 503.5 | 495.0 | 480.4 | 458.5 | 425.8 | 387.4 | 334.3 | 275.3 | 214.0 | 159.6 | 9.1 |
| 39°   | 518.1 | 509.3 | 494.5 | 472.6 | 440.7 | 402.6 | 349.9 | 290.1 | 226.2 | 167.3 | 8.7 |
| 40°   | 529.2 | 520.6 | 505.6 | 483.1 | 451.6 | 414.5 | 362.9 | 303.3 | 236.4 | 174.1 | 8.2 |
| 41°   | 536.0 | 528.1 | 513.1 | 490.8 | 459.2 | 421.3 | 371.5 | 311.8 | 243.4 | 178.6 | 7.7 |
| 42°   | 541.7 | 533.6 | 518.3 | 495.5 | 463.8 | 427.2 | 376.7 | 317.2 | 248.1 | 180.9 | 7.3 |
| 43°   | 544.9 | 536.8 | 522.0 | 498.6 | 466.6 | 429.9 | 379.5 | 319.7 | 249.7 | 180.6 | 6.6 |
| 44°   | 546.7 | 538.3 | 523.4 | 500.0 | 467.8 | 430.6 | 379.7 | 319.2 | 248.6 | 178.2 | 6.0 |
| 45°   | 544.7 | 536.4 | 522.0 | 498.6 | 465.7 | 428.4 | 377.7 | 316.5 | 244.4 | 173.4 | 5.3 |
| 46°   | 531.7 | 525.3 | 512.0 | 490.6 | 459.1 | 422.7 | 372.6 | 311.3 | 237.9 | 167.6 | 4.5 |
| 47°   | 508.7 | 503.6 | 490.8 | 474.8 | 446.3 | 412.4 | 363.1 | 301.4 | 228.7 | 158.9 | 3.6 |
| 48°   | 484.7 | 477.2 | 465.3 | 448.9 | 424.8 | 393.8 | 347.6 | 286.8 | 214.9 | 147.5 | 3.2 |
| 49°   | 449.3 | 444.9 | 434.4 | 416.1 | 396.2 | 368.9 | 325.6 | 268.1 | 197.9 | 135.0 | 2.8 |
| 50°   | 416.8 | 413.8 | 399.1 | 385.6 | 364.5 | 339.0 | 295.8 | 243.6 | 176.9 | 119.6 | 2.5 |
| 51°   | 391.4 | 387.8 | 377.2 | 360.4 | 337.9 | 308.3 | 267.6 | 211.7 | 152.7 | 101.2 | 2.0 |
| 52°   | 365.0 | 362.9 | 353.5 | 336.3 | 314.1 | 284.6 | 240.3 | 184.6 | 129.2 | 85.6  | 1.6 |
| 53°   | 343.3 | 340.4 | 328.8 | 313.5 | 289.5 | 259.0 | 210.6 | 159.4 | 109.4 | 71.9  | 1.4 |
| 54°   | 311.7 | 310.5 | 303.1 | 287.0 | 261.0 | 227.8 | 183.7 | 134.2 | 91.3  | 61.0  | 1.2 |
| 55°   | 278.1 | 274.1 | 266.5 | 253.8 | 229.9 | 198.9 | 152.6 | 111.3 | 73.8  | 51.4  | 0.9 |
| 56°   | 237.2 | 236.9 | 223.5 | 212.9 | 191.7 | 158.8 | 121.9 | 86.9  | 60.0  | 42.8  | 0.8 |
| 57°   | 198.0 | 191.7 | 178.8 | 168.2 | 145.5 | 120.5 | 90.5  | 65.1  | 46.9  | 34.7  | 0.6 |
| 58°   | 146.5 | 143.2 | 139.7 | 124.3 | 103.2 | 85.4  | 64.6  | 45.7  | 34.7  | 26.5  | 0.4 |
| 59°   | 99.4  | 99.3  | 95.3  | 83.6  | 71.4  | 53.2  | 40.3  | 31.1  | 23.9  | 19.5  | 0.3 |
| 60°   | 75.0  | 73.2  | 65.2  | 57.5  | 44.9  | 33.6  | 23.9  | 18.4  | 14.8  | 12.5  | 0.2 |
| 62.5° | 26.3  | 27.3  | 24.0  | 19.9  | 15.1  | 12.4  | 9.5   | 7.7   | 6.3   | 5.1   | 0.0 |
| 65°   | 5.4   | 5.9   | 5.1   | 4.8   | 3.8   | 3.3   | 2.9   | 2.5   | 2.1   | 1.8   | 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° | 0.7 | 0.6  | 0.6 | 0.6  | 0.5 | 0.5   | 0.5 | 0.5   | 0.4 | 0.4   | 0.1 |
| 70°   | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.2 | 0.2   | 0.2 | 0.2   | 0.1 |
| 72.5° | 0.3 | 0.3  | 0.3 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 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 | 0.2   | 0.1 | 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   | 0.2 |
| 85°   | 0.1 | 0.1  | 0.1 | 0.0  | 0.0 | 0.1   | 0.1 | 0.1   | 0.1 | 0.1   | 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°    | 5.8   | 5.8 | 5.8    | 5.8  | 5.8    | 5.8  |
| 2.5°  | 6.1   | 5.9 | 5.6    | 5.5  | 5.4    | 5.4  |
| 5°    | 6.0   | 5.6 | 5.3    | 5.0  | 4.9    | 4.9  |
| 7.5°  | 5.7   | 5.2 | 4.8    | 4.6  | 4.5    | 4.4  |
| 10°   | 5.4   | 4.7 | 4.3    | 4.1  | 4.1    | 4.1  |
| 12.5° | 4.8   | 4.2 | 3.8    | 3.7  | 3.8    | 3.8  |
| 15°   | 4.3   | 3.6 | 3.4    | 3.4  | 3.5    | 3.6  |
| 17.5° | 3.7   | 3.2 | 3.0    | 3.1  | 3.2    | 3.3  |
| 20°   | 3.3   | 2.7 | 2.7    | 2.8  | 3.1    | 3.1  |
| 22.5° | 2.9   | 2.4 | 2.4    | 2.7  | 2.9    | 3.0  |
| 25°   | 2.6   | 2.1 | 2.2    | 2.5  | 2.8    | 2.9  |
| 27.5° | 2.2   | 1.8 | 2.0    | 2.4  | 2.7    | 2.8  |
| 30°   | 1.9   | 1.6 | 1.9    | 2.3  | 2.6    | 2.8  |
| 31°   | 1.8   | 1.5 | 1.9    | 2.2  | 2.6    | 2.8  |
| 32°   | 1.6   | 1.5 | 1.8    | 2.2  | 2.6    | 2.7  |
| 33°   | 1.5   | 1.4 | 1.8    | 2.2  | 2.6    | 2.7  |
| 34°   | 1.4   | 1.3 | 1.7    | 2.2  | 2.6    | 2.7  |
| 35°   | 1.2   | 1.3 | 1.7    | 2.1  | 2.5    | 2.7  |
| 36°   | 1.1   | 1.2 | 1.7    | 2.1  | 2.5    | 2.7  |
| 37°   | 1.0   | 1.2 | 1.6    | 2.1  | 2.5    | 2.7  |
| 38°   | 0.9   | 1.1 | 1.6    | 2.1  | 2.5    | 2.7  |
| 39°   | 0.8   | 1.1 | 1.5    | 2.1  | 2.5    | 2.7  |
| 40°   | 0.7   | 1.0 | 1.5    | 2.0  | 2.5    | 2.7  |
| 41°   | 0.7   | 1.0 | 1.5    | 2.0  | 2.5    | 2.7  |
| 42°   | 0.6   | 1.0 | 1.5    | 2.0  | 2.5    | 2.7  |
| 43°   | 0.5   | 0.9 | 1.5    | 2.0  | 2.5    | 2.7  |
| 44°   | 0.4   | 0.9 | 1.4    | 2.0  | 2.5    | 2.7  |
| 45°   | 0.4   | 0.9 | 1.4    | 2.0  | 2.5    | 2.7  |
| 46°   | 0.3   | 0.8 | 1.4    | 2.0  | 2.5    | 2.7  |
| 47°   | 0.2   | 0.8 | 1.4    | 1.9  | 2.5    | 2.7  |
| 48°   | 0.2   | 0.8 | 1.4    | 1.9  | 2.5    | 2.7  |
| 49°   | 0.2   | 0.8 | 1.3    | 1.9  | 2.5    | 2.7  |
| 50°   | 0.2   | 0.8 | 1.3    | 1.9  | 2.5    | 2.7  |
| 51°   | 0.1   | 0.7 | 1.3    | 1.9  | 2.5    | 2.7  |
| 52°   | 0.1   | 0.7 | 1.3    | 1.9  | 2.5    | 2.8  |
| 53°   | 0.1   | 0.7 | 1.3    | 1.9  | 2.5    | 2.7  |
| 54°   | 0.1   | 0.7 | 1.2    | 1.9  | 2.5    | 2.7  |
| 55°   | 0.1   | 0.7 | 1.2    | 1.9  | 2.5    | 2.7  |
| 56°   | 0.1   | 0.6 | 1.2    | 1.8  | 2.5    | 2.7  |
| 57°   | 0.2   | 0.6 | 1.2    | 1.8  | 2.5    | 2.6  |
| 58°   | 0.2   | 0.6 | 1.2    | 1.8  | 2.4    | 2.6  |
| 59°   | 0.2   | 0.6 | 1.2    | 1.8  | 2.4    | 2.6  |
| 60°   | 0.2   | 0.6 | 1.1    | 1.8  | 2.4    | 2.6  |
| 62.5° | 0.2   | 0.6 | 1.1    | 1.7  | 2.3    | 2.5  |
| 65°   | 0.2   | 0.6 | 1.0    | 1.6  | 2.3    | 2.4  |



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CATALOG NUMBER: P3A02R25B2750DE010 E3A451MW\_3500K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.2   | 0.5 | 1.0    | 1.5  | 2.2    | 2.3  |
| 70°   | 0.3   | 0.5 | 0.9    | 1.5  | 2.1    | 2.2  |
| 72.5° | 0.3   | 0.5 | 0.9    | 1.3  | 1.9    | 2.1  |
| 75°   | 0.3   | 0.5 | 0.8    | 1.2  | 1.8    | 1.9  |
| 77.5° | 0.3   | 0.5 | 0.7    | 1.1  | 1.6    | 1.7  |
| 80°   | 0.4   | 0.5 | 0.6    | 0.9  | 1.4    | 1.5  |
| 82.5° | 0.4   | 0.5 | 0.5    | 0.7  | 1.1    | 1.2  |
| 85°   | 0.3   | 0.4 | 0.4    | 0.5  | 0.7    | 0.8  |
| 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)