

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: P1334909

Luminaire Tested: P3A02R25B2750DE010 E3A451MW\_4000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1334909  
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\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 80CRI , E3A451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

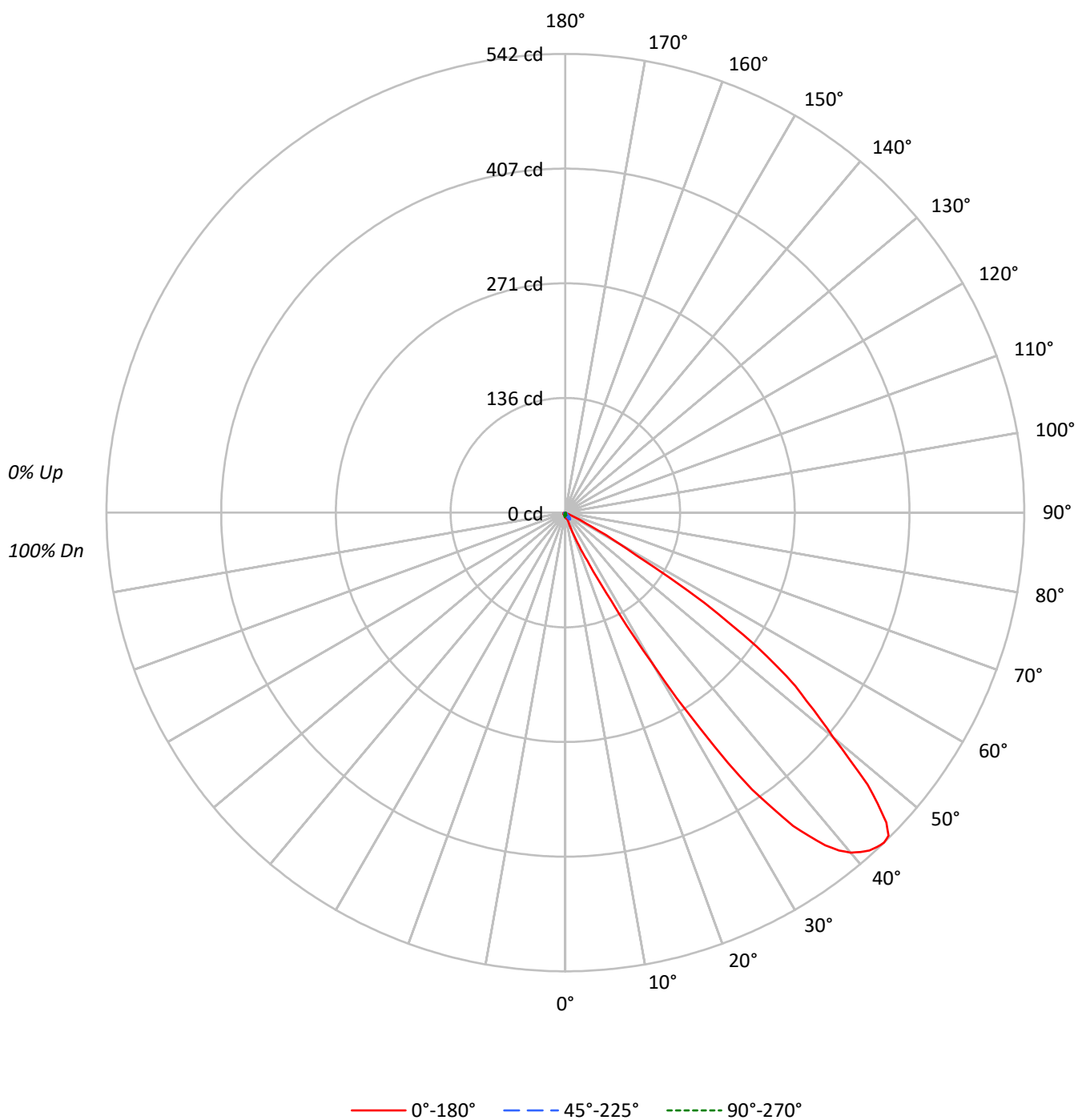
Lumens per Lamp: N/A  
Luminaire Lumens: 113.0 lumens  
Efficiency: N/A  
Efficacy: 39.0 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |     |    | 0  |
| 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° | 5670   | 1120 | 630  | 653  | 723  |
| 25° | 16283  | 1428 | 508  | 605  | 702  |
| 30° | 51957  | 2203 | 405  | 582  | 709  |
| 35° | 113823 | 2570 | 348  | 562  | 723  |
| 40° | 150138 | 2347 | 286  | 573  | 773  |
| 45° | 167428 | 1644 | 279  | 620  | 837  |
| 50° | 140959 | 853  | 273  | 648  | 921  |
| 55° | 105363 | 344  | 268  | 726  | 1032 |
| 60° | 32629  | 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: 167428 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°   | 30.1   | 26.6      |
| 40°-50°   | 47.2   | 41.7      |
| 50°-60°   | 24.2   | 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°    | 8.1    | 7.2       |
| 0°-40°    | 38.2   | 33.8      |
| 0°-60°    | 109.6  | 97.0      |
| 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°  | 6   | 6   | 6   | 6    | 6    |      |
| 5°  | 7   | 6   | 6   | 5    | 5    | 1    |
| 15° | 7   | 5   | 4   | 3    | 4    | 3    |
| 25° | 67  | 6   | 2   | 2    | 3    | 42   |
| 35° | 425 | 10  | 1   | 2    | 3    | 258  |
| 45° | 540 | 5   | 1   | 2    | 3    | 395  |
| 55° | 276 | 1   | 1   | 2    | 3    | 229  |
| 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° | 10.3  | 10.0  | 9.9   | 9.5   | 9.0   | 8.6   | 8.2   | 7.8   | 7.4   | 7.1   | 4.8 |
| 20°   | 24.3  | 24.2  | 23.7  | 22.5  | 21.2  | 19.7  | 18.2  | 16.5  | 14.1  | 12.5  | 4.8 |
| 22.5° | 42.1  | 41.5  | 40.6  | 39.7  | 37.4  | 34.7  | 31.9  | 28.7  | 25.7  | 22.4  | 5.1 |
| 25°   | 67.3  | 68.7  | 65.7  | 63.3  | 59.4  | 54.5  | 49.2  | 44.8  | 39.3  | 34.1  | 5.9 |
| 27.5° | 117.0 | 117.9 | 112.1 | 104.3 | 95.1  | 84.8  | 74.9  | 67.4  | 58.1  | 49.5  | 7.4 |
| 30°   | 205.2 | 206.1 | 196.3 | 179.8 | 160.7 | 143.9 | 121.1 | 101.1 | 82.7  | 68.5  | 8.7 |
| 31°   | 256.2 | 249.2 | 237.8 | 221.7 | 197.6 | 172.2 | 144.9 | 120.7 | 97.4  | 78.8  | 9.0 |
| 32°   | 300.4 | 299.8 | 286.5 | 262.2 | 238.0 | 206.6 | 172.7 | 141.2 | 112.7 | 89.1  | 9.3 |
| 33°   | 352.6 | 348.6 | 329.8 | 307.0 | 274.8 | 243.3 | 199.6 | 163.6 | 128.3 | 100.6 | 9.5 |
| 34°   | 394.5 | 383.7 | 376.0 | 349.8 | 315.9 | 275.7 | 228.9 | 187.2 | 147.8 | 111.8 | 9.6 |
| 35°   | 425.2 | 422.9 | 407.8 | 383.4 | 348.9 | 307.9 | 260.5 | 211.8 | 164.1 | 124.7 | 9.6 |
| 36°   | 457.7 | 450.7 | 435.9 | 413.9 | 380.2 | 337.8 | 284.7 | 233.1 | 183.1 | 136.3 | 9.5 |
| 37°   | 478.1 | 473.9 | 459.3 | 436.5 | 403.6 | 363.0 | 311.7 | 255.6 | 198.2 | 148.0 | 9.3 |
| 38°   | 499.1 | 490.6 | 476.2 | 454.4 | 422.1 | 384.0 | 331.3 | 272.9 | 212.1 | 158.2 | 9.0 |
| 39°   | 513.6 | 504.8 | 490.1 | 468.4 | 436.8 | 399.0 | 346.8 | 287.6 | 224.2 | 165.9 | 8.7 |
| 40°   | 524.5 | 516.1 | 501.2 | 478.9 | 447.7 | 410.9 | 359.8 | 300.6 | 234.4 | 172.5 | 8.2 |
| 41°   | 531.3 | 523.4 | 508.6 | 486.4 | 455.1 | 417.6 | 368.2 | 309.1 | 241.2 | 177.0 | 7.7 |
| 42°   | 537.0 | 528.9 | 513.8 | 491.1 | 459.7 | 423.4 | 373.4 | 314.4 | 245.9 | 179.3 | 7.3 |
| 43°   | 540.1 | 532.1 | 517.4 | 494.2 | 462.5 | 426.1 | 376.2 | 316.9 | 247.5 | 179.0 | 6.6 |
| 44°   | 541.9 | 533.6 | 518.8 | 495.6 | 463.7 | 426.8 | 376.4 | 316.4 | 246.4 | 176.6 | 6.0 |
| 45°   | 539.9 | 531.7 | 517.4 | 494.2 | 461.6 | 424.6 | 374.4 | 313.7 | 242.2 | 171.9 | 5.3 |
| 46°   | 527.0 | 520.7 | 507.5 | 486.2 | 455.0 | 419.0 | 369.3 | 308.6 | 235.8 | 166.2 | 4.5 |
| 47°   | 504.2 | 499.2 | 486.4 | 470.6 | 442.4 | 408.8 | 360.0 | 298.7 | 226.7 | 157.5 | 3.6 |
| 48°   | 480.5 | 473.0 | 461.2 | 445.0 | 421.1 | 390.4 | 344.6 | 284.3 | 213.0 | 146.2 | 3.2 |
| 49°   | 445.4 | 441.0 | 430.6 | 412.5 | 392.7 | 365.6 | 322.8 | 265.8 | 196.2 | 133.8 | 2.8 |
| 50°   | 413.2 | 410.2 | 395.6 | 382.2 | 361.3 | 336.0 | 293.2 | 241.4 | 175.3 | 118.5 | 2.5 |
| 51°   | 388.0 | 384.4 | 373.9 | 357.3 | 334.9 | 305.6 | 265.3 | 209.8 | 151.3 | 100.3 | 2.0 |
| 52°   | 361.8 | 359.8 | 350.4 | 333.3 | 311.3 | 282.1 | 238.2 | 183.0 | 128.1 | 84.8  | 1.6 |
| 53°   | 340.3 | 337.4 | 326.0 | 310.7 | 287.0 | 256.7 | 208.7 | 158.0 | 108.5 | 71.3  | 1.4 |
| 54°   | 309.0 | 307.8 | 300.4 | 284.5 | 258.7 | 225.8 | 182.1 | 133.0 | 90.5  | 60.5  | 1.2 |
| 55°   | 275.6 | 271.7 | 264.2 | 251.6 | 227.9 | 197.2 | 151.2 | 110.3 | 73.2  | 50.9  | 0.9 |
| 56°   | 235.1 | 234.9 | 221.5 | 211.0 | 190.0 | 157.4 | 120.8 | 86.1  | 59.5  | 42.5  | 0.8 |
| 57°   | 196.3 | 190.0 | 177.2 | 166.8 | 144.2 | 119.4 | 89.7  | 64.5  | 46.5  | 34.4  | 0.6 |
| 58°   | 145.2 | 141.9 | 138.5 | 123.2 | 102.3 | 84.6  | 64.0  | 45.3  | 34.4  | 26.3  | 0.4 |
| 59°   | 98.5  | 98.4  | 94.5  | 82.8  | 70.8  | 52.7  | 40.0  | 30.8  | 23.7  | 19.3  | 0.3 |
| 60°   | 74.4  | 72.6  | 64.6  | 57.0  | 44.5  | 33.3  | 23.7  | 18.2  | 14.7  | 12.4  | 0.2 |
| 62.5° | 26.1  | 27.0  | 23.8  | 19.7  | 15.0  | 12.3  | 9.4   | 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\_4000K

**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)