

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: P1285936

Luminaire Tested: P3AS13R70B2750DE010 E3DL1LI\_5000K

Issue Date: 1/30/2026

**Test Information**

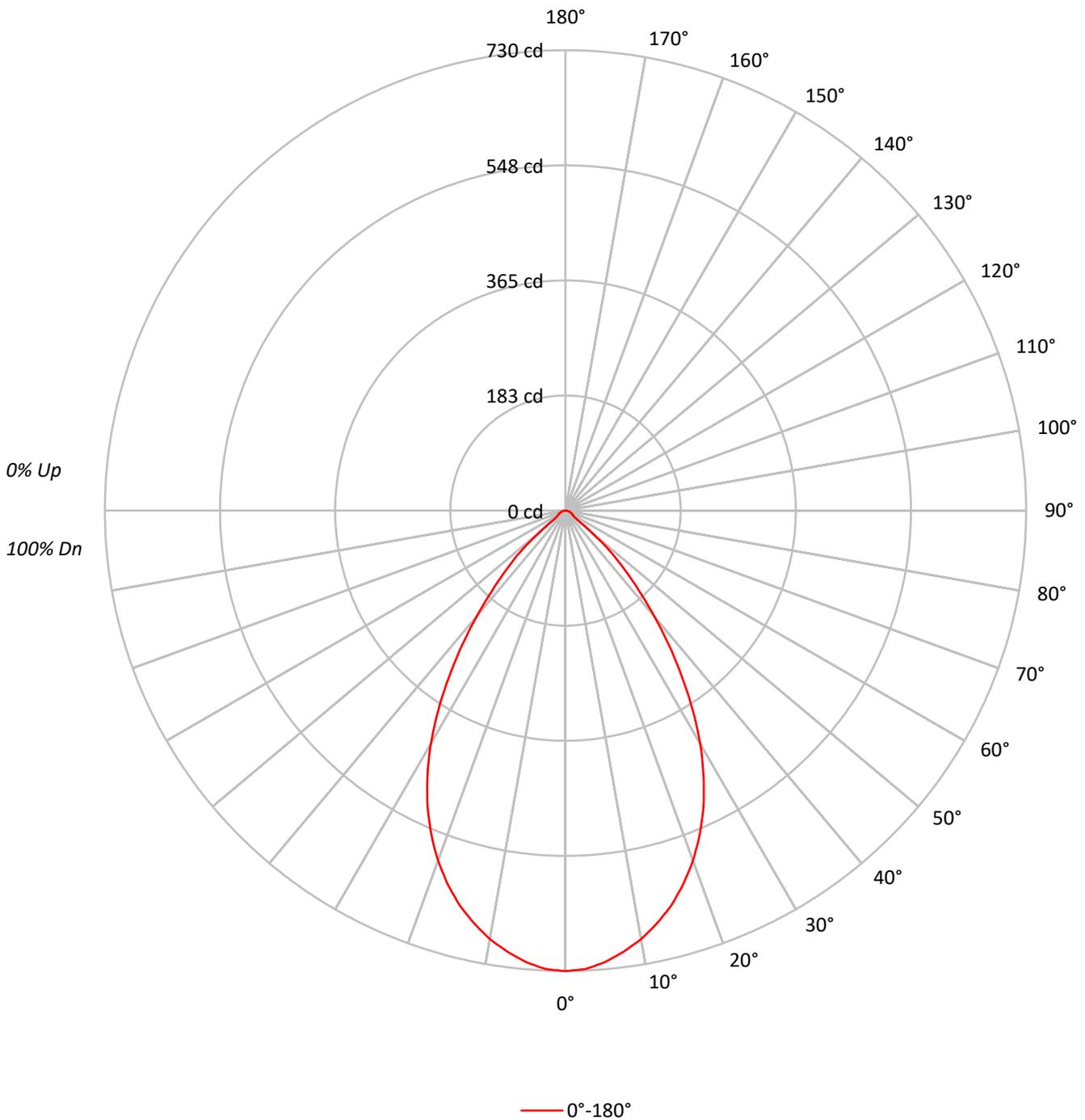
Test Method: LM-79-2019  
Report Number: P1285936  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R70B2750DE010 E3DL1LI\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3DL1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 827.0 lumens  
Efficiency: N/A  
Efficacy: 43.3 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98  
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

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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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1   | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 100 | 100 | 98  | 97  | 96  | 95  | 94  | 92  | 92  | 92  | 92  |
| 2   | 106 | 101 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 90  | 93  | 90  | 88  | 90  | 88  | 86  | 84  | 84  | 84  | 84  |
| 3   | 100 | 93  | 88  | 83  | 98  | 92  | 87  | 82  | 89  | 85  | 81  | 86  | 83  | 80  | 84  | 81  | 79  | 77  | 77  | 77  | 77  |
| 4   | 94  | 86  | 80  | 75  | 93  | 85  | 79  | 75  | 83  | 78  | 74  | 81  | 76  | 73  | 79  | 75  | 72  | 70  | 70  | 70  | 70  |
| 5   | 89  | 80  | 73  | 69  | 87  | 79  | 73  | 68  | 77  | 72  | 68  | 75  | 71  | 67  | 74  | 70  | 66  | 65  | 65  | 65  | 65  |
| 6   | 84  | 74  | 68  | 63  | 82  | 73  | 67  | 63  | 72  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 61  | 60  | 60  | 60  | 60  |
| 7   | 79  | 69  | 62  | 58  | 78  | 68  | 62  | 58  | 67  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 55  | 55  | 55  | 55  |
| 8   | 75  | 65  | 58  | 53  | 74  | 64  | 58  | 53  | 63  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 51  | 51  | 51  | 51  |
| 9   | 71  | 60  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 48  | 48  | 48  | 48  |
| 10  | 67  | 57  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 50  | 46  | 55  | 49  | 46  | 54  | 49  | 46  | 44  | 44  | 44  | 44  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 160097 |
| 5°  | 158177 |
| 10° | 153616 |
| 15° | 147106 |
| 20° | 137795 |
| 25° | 125185 |
| 30° | 108143 |
| 35° | 86170  |
| 40° | 62775  |
| 45° | 41245  |
| 50° | 19343  |
| 55° | 5964   |
| 60° | 5745   |
| 65° | 5552   |
| 70° | 5257   |
| 75° | 5592   |
| 80° | 5177   |
| 85° | 4026   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 41245 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 67.7   | 8.2       |
| 10°-20°   | 181.4  | 21.9      |
| 20°-30°   | 235.7  | 28.5      |
| 30°-40°   | 200.0  | 24.2      |
| 40°-50°   | 103.1  | 12.5      |
| 50°-60°   | 19.9   | 2.4       |
| 60°-70°   | 10.8   | 1.3       |
| 70°-80°   | 6.6    | 0.8       |
| 80°-90°   | 1.9    | 0.2       |
| 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°    | 484.7  | 58.6      |
| 0°-40°    | 684.7  | 82.8      |
| 0°-60°    | 807.7  | 97.7      |
| 0°-90°    | 827.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 827.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 730 |      |
| 5°  | 719 | 68   |
| 15° | 648 | 181  |
| 25° | 517 | 236  |
| 35° | 322 | 200  |
| 45° | 133 | 103  |
| 55° | 16  | 20   |
| 65° | 11  | 11   |
| 75° | 7   | 7    |
| 85° | 2   | 2    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 730.1 |
| 2.5°  | 727.7 |
| 5°    | 718.6 |
| 7.5°  | 705.5 |
| 10°   | 689.9 |
| 12.5° | 670.2 |
| 15°   | 648.0 |
| 17.5° | 620.9 |
| 20°   | 590.5 |
| 22.5° | 556.0 |
| 25°   | 517.4 |
| 27.5° | 473.9 |
| 30°   | 427.1 |
| 32.5° | 375.3 |
| 35°   | 321.9 |
| 37.5° | 269.4 |
| 40°   | 219.3 |
| 42.5° | 172.5 |
| 45°   | 133.0 |
| 47.5° | 97.7  |
| 50°   | 56.7  |
| 52.5° | 24.6  |
| 55°   | 15.6  |
| 57.5° | 14.8  |
| 60°   | 13.1  |
| 62.5° | 12.3  |
| 65°   | 10.7  |
| 67.5° | 9.9   |
| 70°   | 8.2   |
| 72.5° | 7.4   |
| 75°   | 6.6   |
| 77.5° | 4.9   |
| 80°   | 4.1   |
| 82.5° | 2.5   |
| 85°   | 1.6   |
| 87.5° | 0.8   |
| 90°   | 0.0   |

(END OF REPORT)