

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: P1281104

Luminaire Tested: P3AS05R20B2750DE010 E3PHLP1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1281104  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R20B2750DE010 E3PHLP1MW\_3500K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 80CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

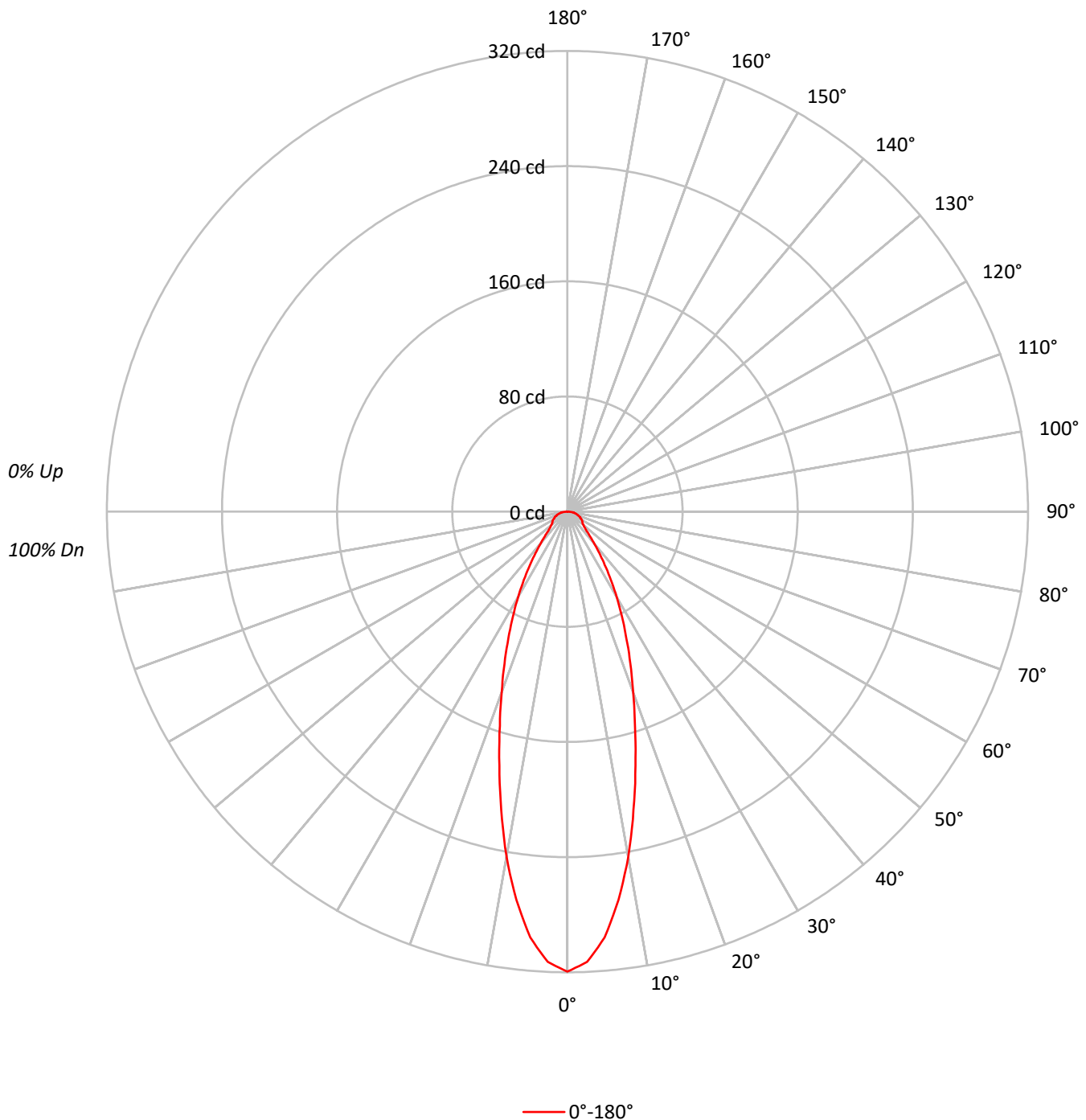
Lumens per Lamp: N/A  
Luminaire Lumens: 197.0 lumens  
Efficiency: N/A  
Efficacy: 33.4 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 97  |  | 98  | 96  | 95  |  | 95  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  |  | 91  | 88  | 85  |  | 88  |
| 3   | 99  | 91  | 85  | 80  | 97  | 90  | 84  | 80  | 87  | 82  | 78  |  | 84  | 80  | 77  |  | 82  |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 73  | 81  | 76  | 72  |  | 79  | 74  | 71  |  | 77  |
| 5   | 88  | 79  | 72  | 67  | 86  | 78  | 71  | 67  | 76  | 70  | 66  |  | 74  | 69  | 66  |  | 72  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 66  | 62  | 71  | 66  | 61  |  | 70  | 65  | 61  |  | 68  |
| 7   | 79  | 69  | 63  | 58  | 78  | 68  | 62  | 58  | 67  | 62  | 57  |  | 66  | 61  | 57  |  | 65  |
| 8   | 76  | 65  | 59  | 54  | 74  | 65  | 58  | 54  | 64  | 58  | 54  |  | 62  | 57  | 54  |  | 61  |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  |  | 59  | 54  | 51  |  | 58  |
| 10  | 69  | 59  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 70060 |
| 5°  | 65353 |
| 10° | 54219 |
| 15° | 41453 |
| 20° | 31129 |
| 25° | 23421 |
| 30° | 17319 |
| 35° | 12100 |
| 40° | 8301  |
| 45° | 5768  |
| 50° | 4947  |
| 55° | 4893  |
| 60° | 5087  |
| 65° | 5137  |
| 70° | 5193  |
| 75° | 5422  |
| 80° | 5809  |
| 85° | 5787  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 6888 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.6   | 13.5      |
| 10°-20°   | 50.8   | 25.8      |
| 20°-30°   | 44.7   | 22.7      |
| 30°-40°   | 28.8   | 14.6      |
| 40°-50°   | 15.3   | 7.8       |
| 50°-60°   | 11.5   | 5.8       |
| 60°-70°   | 9.8    | 5.0       |
| 70°-80°   | 6.9    | 3.5       |
| 80°-90°   | 2.7    | 1.4       |
| 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°    | 122.1  | 62.0      |
| 0°-40°    | 150.9  | 76.6      |
| 0°-60°    | 177.7  | 90.2      |
| 0°-90°    | 197.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 197.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 320 |      |
| 5°  | 297 | 27   |
| 15° | 183 | 51   |
| 25° | 97  | 45   |
| 35° | 45  | 29   |
| 45° | 19  | 15   |
| 55° | 13  | 11   |
| 65° | 10  | 10   |
| 75° | 6   | 7    |
| 85° | 2   | 3    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 319.5 |
| 2.5°  | 313.1 |
| 5°    | 296.9 |
| 7.5°  | 271.9 |
| 10°   | 243.5 |
| 12.5° | 212.2 |
| 15°   | 182.6 |
| 17.5° | 156.0 |
| 20°   | 133.4 |
| 22.5° | 114.2 |
| 25°   | 96.8  |
| 27.5° | 81.8  |
| 30°   | 68.4  |
| 32.5° | 56.2  |
| 35°   | 45.2  |
| 37.5° | 36.5  |
| 40°   | 29.0  |
| 42.5° | 23.2  |
| 45°   | 18.6  |
| 47.5° | 16.2  |
| 50°   | 14.5  |
| 52.5° | 13.3  |
| 55°   | 12.8  |
| 57.5° | 12.2  |
| 60°   | 11.6  |
| 62.5° | 10.4  |
| 65°   | 9.9   |
| 67.5° | 9.3   |
| 70°   | 8.1   |
| 72.5° | 7.5   |
| 75°   | 6.4   |
| 77.5° | 5.8   |
| 80°   | 4.6   |
| 82.5° | 4.1   |
| 85°   | 2.3   |
| 87.5° | 1.2   |
| 90°   | 0.0   |

(END OF REPORT)