

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: P1284039

Luminaire Tested: P3AS09R65B2750DE010 E3D1MW\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1284039  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R65B2750DE010 E3D1MW\_3500K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R65 optic, 3500K CCT AND, 80CRI , E3D1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

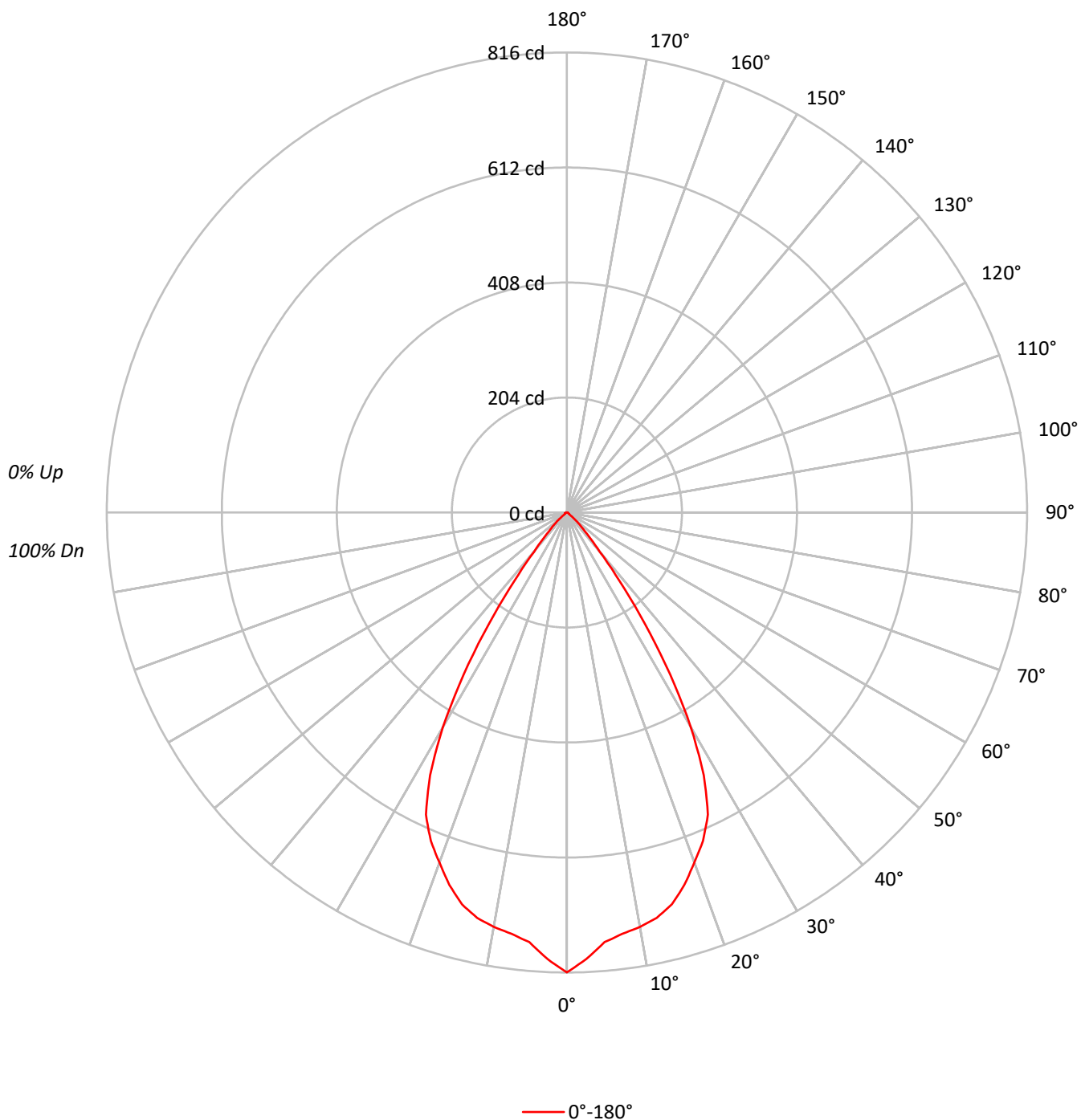
Lumens per Lamp: N/A  
Luminaire Lumens: 732.1 lumens  
Efficiency: N/A  
Efficacy: 55.9 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.1  
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  |
| 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   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 101 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 92  |
| 3   | 103 | 96  | 91  | 87  | 101 | 95  | 90  | 87  | 92  | 88  | 85  |  | 90  | 87  | 84  |  | 87  |
| 4   | 97  | 90  | 84  | 80  | 96  | 89  | 84  | 80  | 87  | 82  | 79  |  | 85  | 81  | 78  |  | 83  |
| 5   | 93  | 84  | 78  | 74  | 91  | 83  | 78  | 74  | 81  | 77  | 73  |  | 80  | 76  | 73  |  | 78  |
| 6   | 88  | 79  | 73  | 69  | 86  | 78  | 73  | 69  | 77  | 72  | 68  |  | 75  | 71  | 68  |  | 74  |
| 7   | 84  | 74  | 68  | 64  | 82  | 74  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 8   | 80  | 70  | 64  | 60  | 78  | 69  | 64  | 60  | 68  | 63  | 60  |  | 67  | 63  | 59  |  | 66  |
| 9   | 76  | 66  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 60  | 56  |  | 64  | 59  | 56  |  | 63  |
| 10  | 72  | 63  | 57  | 53  | 71  | 62  | 57  | 53  | 61  | 56  | 53  |  | 60  | 56  | 53  |  | 60  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 178889 |
| 5°  | 168368 |
| 10° | 166218 |
| 15° | 163293 |
| 20° | 154177 |
| 25° | 143089 |
| 30° | 111232 |
| 35° | 64353  |
| 40° | 25934  |
| 45° | 11939  |
| 50° | 4640   |
| 55° | 1797   |
| 60° | 1579   |
| 65° | 1557   |
| 70° | 1539   |
| 75° | 1525   |
| 80° | 1515   |
| 85° | 1510   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11939 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 72.7   | 9.9       |
| 10°-20°   | 200.9  | 27.4      |
| 20°-30°   | 262.9  | 35.9      |
| 30°-40°   | 152.3  | 20.8      |
| 40°-50°   | 32.6   | 4.5       |
| 50°-60°   | 5.3    | 0.7       |
| 60°-70°   | 3.0    | 0.4       |
| 70°-80°   | 1.7    | 0.2       |
| 80°-90°   | 0.7    | 0.1       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 536.5  | 73.3      |
| 0°-40°    | 688.8  | 94.1      |
| 0°-60°    | 726.7  | 99.3      |
| 0°-90°    | 732.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 732.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 816 |      |
| 5°  | 765 | 73   |
| 15° | 719 | 201  |
| 25° | 591 | 263  |
| 35° | 240 | 152  |
| 45° | 38  | 33   |
| 55° | 5   | 5    |
| 65° | 3   | 3    |
| 75° | 2   | 2    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 815.8 |
| 2.5°  | 792.7 |
| 5°    | 764.9 |
| 7.5°  | 753.6 |
| 10°   | 746.5 |
| 12.5° | 736.5 |
| 15°   | 719.3 |
| 17.5° | 692.6 |
| 20°   | 660.7 |
| 22.5° | 630.5 |
| 25°   | 591.4 |
| 27.5° | 525.7 |
| 30°   | 439.3 |
| 32.5° | 340.4 |
| 35°   | 240.4 |
| 37.5° | 152.1 |
| 40°   | 90.6  |
| 42.5° | 56.8  |
| 45°   | 38.5  |
| 47.5° | 24.9  |
| 50°   | 13.6  |
| 52.5° | 6.5   |
| 55°   | 4.7   |
| 57.5° | 4.1   |
| 60°   | 3.6   |
| 62.5° | 3.6   |
| 65°   | 3.0   |
| 67.5° | 2.4   |
| 70°   | 2.4   |
| 72.5° | 1.8   |
| 75°   | 1.8   |
| 77.5° | 1.2   |
| 80°   | 1.2   |
| 82.5° | 0.6   |
| 85°   | 0.6   |
| 87.5° | 0.6   |
| 90°   | 0.0   |

(END OF REPORT)