

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: P1319328

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPHL1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R15B2750DE010 E3SQPHL1MW\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

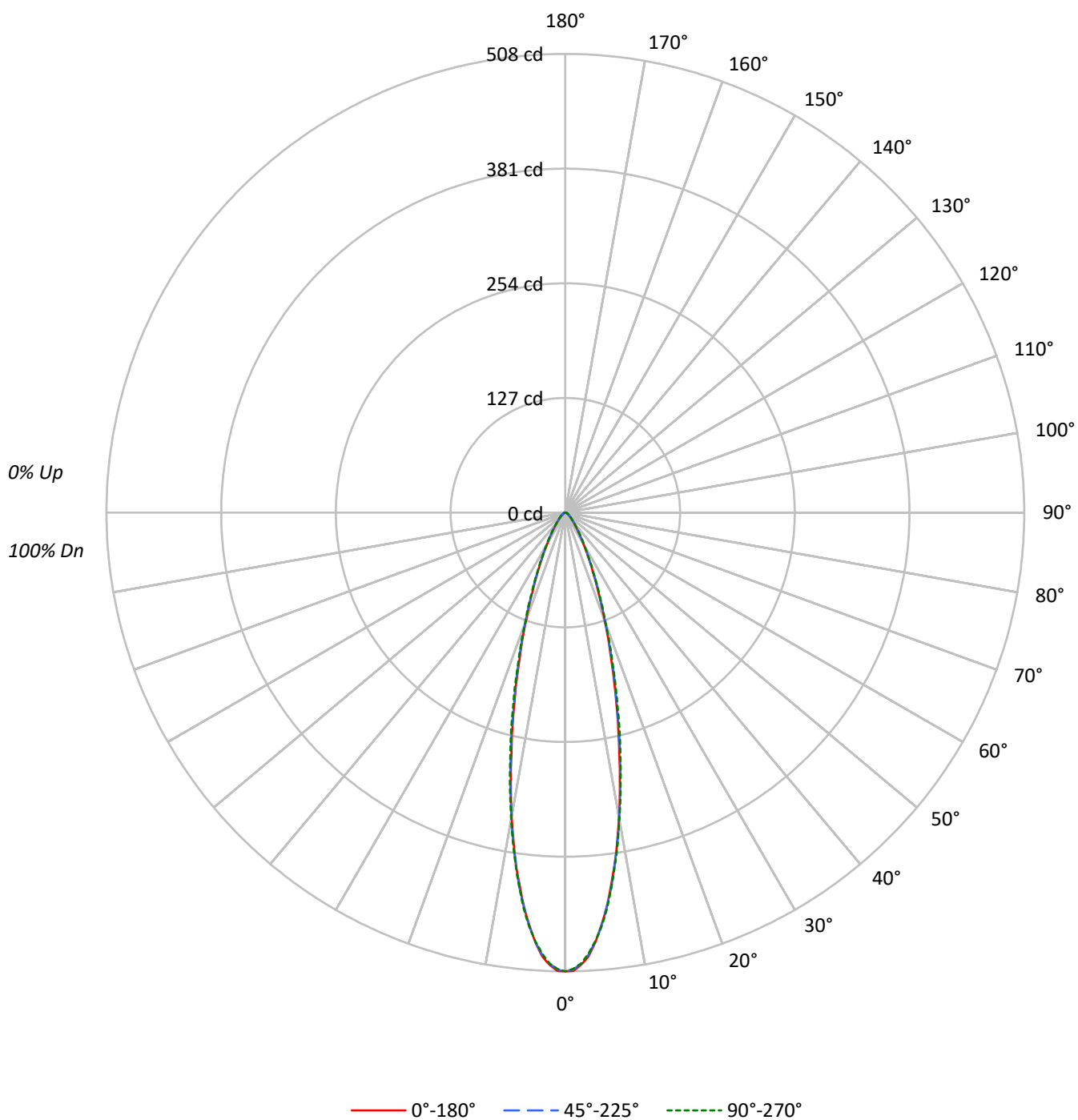
Lumens per Lamp: N/A  
Luminaire Lumens: 168.0 lumens  
Efficiency: N/A  
Efficacy: 57.9 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 94  |    |    |    |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  | 97  | 94  | 92  | 94  | 92  | 90  | 89  |    |    |    |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  | 92  | 89  | 87  | 90  | 87  | 85  | 84  |    |    |    |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 80  |    |    |    |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 83  | 79  | 86  | 82  | 78  | 84  | 80  | 78  | 83  | 79  | 77  | 76  |    |    |    |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 72  |    |    |    |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 79  | 74  | 71  | 77  | 74  | 71  | 76  | 73  | 70  | 69  |    |    |    |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 72  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 74  | 70  | 67  | 66  |    |    |    |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 69  | 65  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 64  |    |    |    |
| 10  | 79  | 71  | 66  | 63  | 78  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 65  | 62  | 69  | 65  | 62  | 61  |    |    |    |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 87489 | 87489 | 87489 |
| 5°  | 79248 | 79404 | 79508 |
| 10° | 59826 | 59984 | 60281 |
| 15° | 38815 | 39226 | 39992 |
| 20° | 23368 | 23643 | 23954 |
| 25° | 13644 | 13929 | 14138 |
| 30° | 8014  | 8273  | 8412  |
| 35° | 4941  | 5130  | 5214  |
| 40° | 3260  | 3350  | 3395  |
| 45° | 2265  | 2314  | 2363  |
| 50° | 1688  | 1742  | 1795  |
| 55° | 1351  | 1411  | 1411  |
| 60° | 1206  | 1206  | 1206  |
| 65° | 1060  | 1060  | 1060  |
| 70° | 856   | 957   | 957   |
| 75° | 865   | 865   | 865   |
| 80° | 595   | 893   | 893   |
| 85° | 395   | 395   | 395   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $67.5^\circ$

Vertical Angle:  $45^\circ$

Luminance: 2363 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 40.0   | 23.8      |
| 10°-20°   | 61.2   | 36.4      |
| 20°-30°   | 34.8   | 20.7      |
| 30°-40°   | 15.9   | 9.4       |
| 40°-50°   | 7.6    | 4.5       |
| 50°-60°   | 4.3    | 2.5       |
| 60°-70°   | 2.6    | 1.6       |
| 70°-80°   | 1.4    | 0.8       |
| 80°-90°   | 0.3    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 136.0  | 80.9      |
| 0°-40°    | 151.8  | 90.4      |
| 0°-60°    | 163.7  | 97.4      |
| 0°-90°    | 168.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 168.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 508 | 508   | 508 | 508   | 508 |      |
| 5°  | 458 | 458   | 459 | 459   | 460 | 40   |
| 15° | 218 | 219   | 220 | 223   | 224 | 60   |
| 25° | 72  | 72    | 73  | 74    | 74  | 34   |
| 35° | 24  | 24    | 24  | 25    | 25  | 15   |
| 45° | 9   | 9     | 10  | 10    | 10  | 7    |
| 55° | 4   | 4     | 5   | 5     | 5   | 4    |
| 65° | 3   | 3     | 3   | 3     | 3   | 3    |
| 75° | 1   | 1     | 1   | 1     | 1   | 1    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 508.0 | 508.0 | 508.0 | 508.0 | 508.0 |
| 1°    | 507.6 | 506.3 | 505.9 | 505.6 | 505.2 |
| 2°    | 501.1 | 500.0 | 499.8 | 499.8 | 499.6 |
| 3°    | 492.1 | 490.1 | 490.3 | 489.7 | 489.0 |
| 4°    | 476.7 | 475.9 | 476.3 | 476.7 | 475.9 |
| 5°    | 458.4 | 458.2 | 459.3 | 459.3 | 459.9 |
| 6°    | 439.4 | 439.2 | 438.6 | 440.3 | 441.1 |
| 7°    | 415.3 | 416.6 | 418.3 | 417.4 | 418.1 |
| 8°    | 393.3 | 391.7 | 392.4 | 394.6 | 394.8 |
| 9°    | 367.4 | 366.3 | 369.1 | 370.0 | 370.2 |
| 10°   | 342.1 | 343.2 | 343.0 | 346.0 | 344.7 |
| 12.5° | 276.3 | 278.1 | 280.0 | 281.3 | 282.6 |
| 15°   | 217.7 | 218.7 | 220.0 | 223.1 | 224.3 |
| 17.5° | 167.4 | 168.7 | 170.0 | 172.6 | 173.0 |
| 20°   | 127.5 | 128.1 | 129.0 | 131.4 | 130.7 |
| 22.5° | 95.3  | 96.4  | 97.3  | 98.4  | 99.0  |
| 25°   | 71.8  | 71.8  | 73.3  | 74.0  | 74.4  |
| 27.5° | 53.5  | 53.9  | 55.0  | 55.9  | 55.7  |
| 30°   | 40.3  | 41.0  | 41.6  | 42.1  | 42.3  |
| 32.5° | 31.1  | 31.1  | 31.7  | 32.4  | 32.6  |
| 35°   | 23.5  | 23.9  | 24.4  | 24.8  | 24.8  |
| 37.5° | 18.3  | 18.6  | 19.0  | 19.2  | 19.2  |
| 40°   | 14.5  | 14.5  | 14.9  | 15.1  | 15.1  |
| 42.5° | 11.4  | 11.6  | 11.9  | 12.1  | 12.1  |
| 45°   | 9.3   | 9.3   | 9.5   | 9.7   | 9.7   |
| 47.5° | 7.6   | 7.6   | 7.8   | 8.0   | 8.0   |
| 50°   | 6.3   | 6.5   | 6.5   | 6.7   | 6.7   |
| 52.5° | 5.4   | 5.4   | 5.4   | 5.6   | 5.6   |
| 55°   | 4.5   | 4.5   | 4.7   | 4.7   | 4.7   |
| 57.5° | 3.9   | 3.9   | 3.9   | 4.1   | 4.1   |
| 60°   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   |
| 62.5° | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   |
| 65°   | 2.6   | 2.6   | 2.6   | 2.6   | 2.6   |
| 67.5° | 2.2   | 2.2   | 2.2   | 2.4   | 2.4   |
| 70°   | 1.7   | 1.9   | 1.9   | 1.9   | 1.9   |
| 72.5° | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 75°   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 77.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 80°   | 0.6   | 0.9   | 0.9   | 0.9   | 0.9   |
| 82.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)