

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: P1316964

Luminaire Tested: P3SQAS09R259830DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316964  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R259830DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

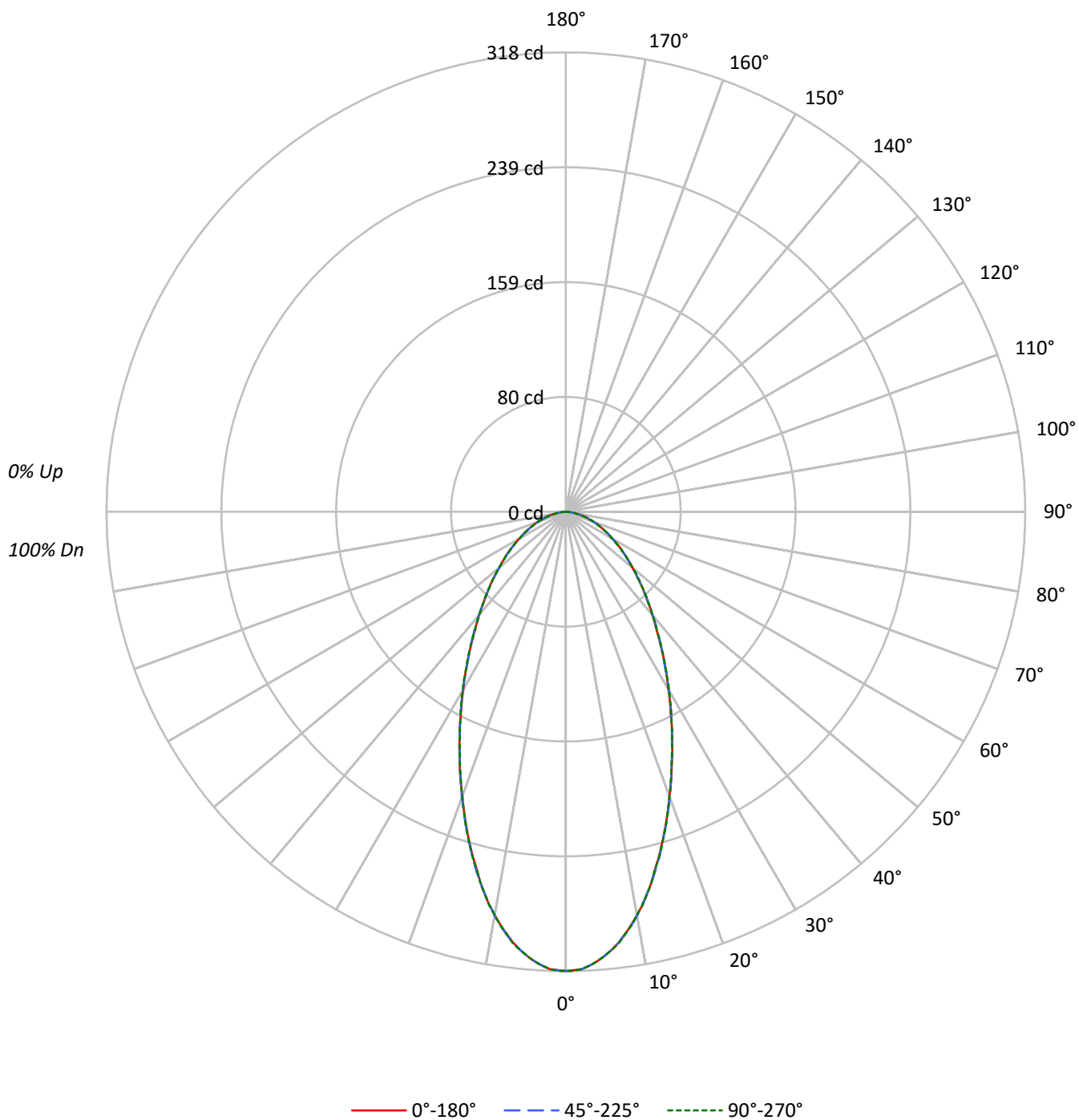
Lumens per Lamp: N/A  
Luminaire Lumens: 398.0 lumens  
Efficiency: N/A  
Efficacy: 36.2 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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   | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 86  | 83  |  | 88  | 84  | 81  |  | 85  |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  |  | 80  | 75  | 71  |  | 77  |
| 4   | 89  | 79  | 71  | 65  | 87  | 77  | 70  | 65  | 75  | 69  | 64  |  | 73  | 68  | 63  |  | 71  |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 64  | 58  | 69  | 62  | 58  |  | 67  | 61  | 57  |  | 65  |
| 6   | 77  | 66  | 58  | 53  | 76  | 65  | 58  | 52  | 63  | 57  | 52  |  | 62  | 56  | 52  |  | 60  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 47  |  | 57  | 51  | 47  |  | 56  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  |  | 53  | 48  | 43  |  | 52  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 42  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 54750 | 54750 | 54750 |
| 5°  | 53351 | 53351 | 53351 |
| 10° | 49578 | 49666 | 49578 |
| 15° | 44218 | 44307 | 44307 |
| 20° | 38433 | 38543 | 38433 |
| 25° | 33103 | 33008 | 33008 |
| 30° | 28239 | 28358 | 28458 |
| 35° | 24241 | 24241 | 24346 |
| 40° | 20998 | 20998 | 20998 |
| 45° | 18364 | 18364 | 18364 |
| 50° | 16103 | 16103 | 16237 |
| 55° | 14443 | 14443 | 14443 |
| 60° | 12779 | 12779 | 12779 |
| 65° | 11573 | 11573 | 11573 |
| 70° | 10474 | 10172 | 10474 |
| 75° | 9449  | 9116  | 9116  |
| 80° | 7538  | 7538  | 7538  |
| 85° | 5335  | 5335  | 5335  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18364 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 28.7   | 7.2       |
| 10°-20°   | 69.2   | 17.4      |
| 20°-30°   | 80.0   | 20.1      |
| 30°-40°   | 72.5   | 18.2      |
| 40°-50°   | 58.4   | 14.7      |
| 50°-60°   | 43.0   | 10.8      |
| 60°-70°   | 28.3   | 7.1       |
| 70°-80°   | 14.6   | 3.7       |
| 80°-90°   | 3.3    | 0.8       |
| 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°    | 177.8  | 44.7      |
| 0°-40°    | 250.3  | 62.9      |
| 0°-60°    | 351.8  | 88.4      |
| 0°-90°    | 398.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 398.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 318 | 318   | 318 | 318   | 318 |      |
| 5°  | 309 | 310   | 309 | 309   | 309 | 29   |
| 15° | 248 | 248   | 248 | 248   | 248 | 69   |
| 25° | 174 | 174   | 174 | 174   | 174 | 80   |
| 35° | 115 | 115   | 115 | 115   | 116 | 72   |
| 45° | 75  | 75    | 75  | 75    | 75  | 58   |
| 55° | 48  | 48    | 48  | 48    | 48  | 43   |
| 65° | 28  | 28    | 28  | 28    | 28  | 28   |
| 75° | 14  | 14    | 14  | 14    | 14  | 15   |
| 85° | 3   | 3     | 3   | 3     | 3   | 3    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 317.9 | 317.9 | 317.9 | 317.9 | 317.9 |
| 1°    | 317.4 | 318.4 | 317.4 | 317.4 | 317.9 |
| 2°    | 316.8 | 317.4 | 316.8 | 316.8 | 316.8 |
| 3°    | 314.6 | 315.7 | 314.6 | 314.6 | 314.6 |
| 4°    | 311.9 | 313.0 | 311.9 | 311.9 | 311.9 |
| 5°    | 308.6 | 309.7 | 308.6 | 308.6 | 308.6 |
| 6°    | 304.8 | 305.3 | 304.8 | 304.8 | 304.8 |
| 7°    | 300.4 | 301.0 | 300.4 | 300.4 | 301.0 |
| 8°    | 295.0 | 295.5 | 295.5 | 295.0 | 295.0 |
| 9°    | 289.5 | 290.0 | 290.0 | 289.5 | 290.0 |
| 10°   | 283.5 | 284.0 | 284.0 | 283.5 | 283.5 |
| 11°   | 277.5 | 278.0 | 276.9 | 276.9 | 277.5 |
| 12°   | 270.4 | 270.9 | 270.4 | 270.4 | 270.4 |
| 13°   | 263.3 | 263.3 | 263.3 | 263.3 | 263.3 |
| 14°   | 255.1 | 256.2 | 256.2 | 255.6 | 255.1 |
| 15°   | 248.0 | 248.5 | 248.5 | 248.0 | 248.5 |
| 17.5° | 228.9 | 230.0 | 229.4 | 229.4 | 229.4 |
| 20°   | 209.7 | 210.3 | 210.3 | 209.7 | 209.7 |
| 22.5° | 191.7 | 191.2 | 191.2 | 191.2 | 191.2 |
| 25°   | 174.2 | 173.7 | 173.7 | 174.2 | 173.7 |
| 27.5° | 157.3 | 157.9 | 157.9 | 157.3 | 157.9 |
| 30°   | 142.0 | 142.0 | 142.6 | 142.0 | 143.1 |
| 32.5° | 128.4 | 128.4 | 127.8 | 128.4 | 128.4 |
| 35°   | 115.3 | 115.3 | 115.3 | 115.3 | 115.8 |
| 37.5° | 103.2 | 103.8 | 104.3 | 104.3 | 103.8 |
| 40°   | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  |
| 42.5° | 83.6  | 83.6  | 84.1  | 84.1  | 84.1  |
| 45°   | 75.4  | 75.4  | 75.4  | 75.4  | 75.4  |
| 47.5° | 67.7  | 67.7  | 67.2  | 67.2  | 67.7  |
| 50°   | 60.1  | 60.6  | 60.1  | 60.1  | 60.6  |
| 52.5° | 54.1  | 53.5  | 53.5  | 54.1  | 54.1  |
| 55°   | 48.1  | 48.1  | 48.1  | 47.5  | 48.1  |
| 57.5° | 42.6  | 42.6  | 42.1  | 42.1  | 42.1  |
| 60°   | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  |
| 62.5° | 32.8  | 32.8  | 32.8  | 32.8  | 32.8  |
| 65°   | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  |
| 67.5° | 24.6  | 24.6  | 24.6  | 24.6  | 24.0  |
| 70°   | 20.8  | 20.8  | 20.2  | 20.2  | 20.8  |
| 72.5° | 16.9  | 16.9  | 16.9  | 16.9  | 16.9  |
| 75°   | 14.2  | 13.7  | 13.7  | 13.7  | 13.7  |
| 77.5° | 10.9  | 10.9  | 10.4  | 10.9  | 10.4  |
| 80°   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   |
| 82.5° | 5.5   | 4.9   | 4.9   | 4.9   | 4.9   |
| 85°   | 2.7   | 2.7   | 2.7   | 2.7   | 2.7   |
| 87.5° | 0.5   | 0.5   | 0.5   | 0.5   | 1.1   |



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CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)