

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: P1305944

Luminaire Tested: P3SQAS13R359024DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305944  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359024DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

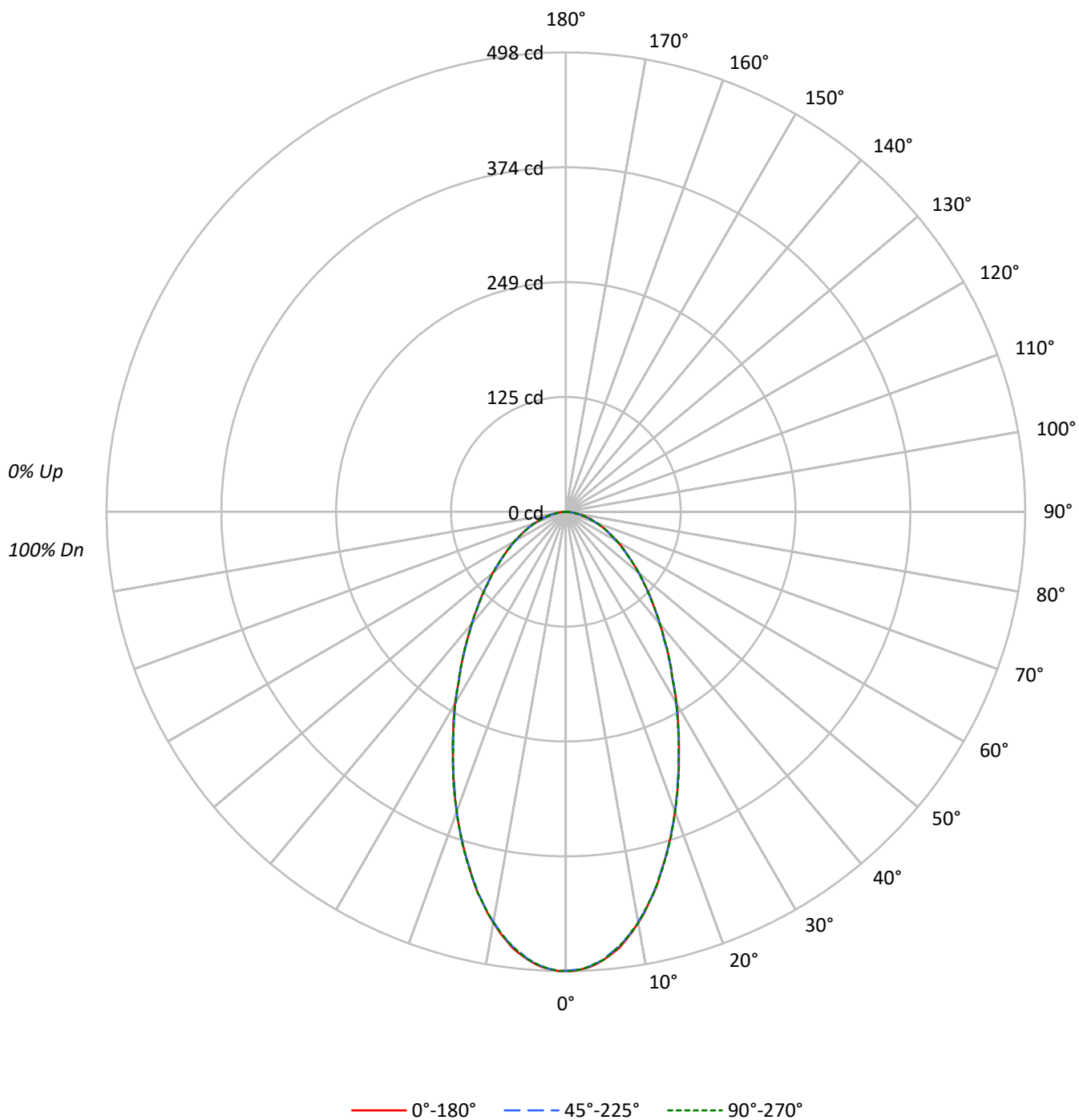
Lumens per Lamp: N/A  
Luminaire Lumens: 665.0 lumens  
Efficiency: N/A  
Efficacy: 45.5 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  |  | 87  | 84  | 81  |  | 84  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 68  | 64  |  | 72  | 67  | 63  |  | 70  |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  |  | 66  | 61  | 56  |  | 65  |
| 6   | 77  | 65  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 51  |  | 61  | 55  | 51  |  | 60  |
| 7   | 72  | 60  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 52  | 47  |  | 57  | 51  | 46  |  | 55  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  |  | 53  | 47  | 43  |  | 52  |
| 9   | 64  | 52  | 45  | 40  | 63  | 51  | 44  | 40  | 50  | 44  | 39  |  | 49  | 44  | 39  |  | 48  |
| 10  | 60  | 49  | 42  | 37  | 59  | 48  | 41  | 37  | 47  | 41  | 37  |  | 46  | 41  | 36  |  | 45  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 85732 | 85732 | 85732 |
| 5°  | 84124 | 83985 | 84124 |
| 10° | 79098 | 78941 | 79098 |
| 15° | 71622 | 71622 | 71765 |
| 20° | 63395 | 63395 | 63395 |
| 25° | 55127 | 54956 | 54956 |
| 30° | 47787 | 47449 | 47608 |
| 35° | 41145 | 40956 | 41145 |
| 40° | 35702 | 35499 | 35702 |
| 45° | 31346 | 31151 | 31151 |
| 50° | 27811 | 27597 | 27597 |
| 55° | 24471 | 24471 | 24471 |
| 60° | 22182 | 21872 | 22182 |
| 65° | 19927 | 19927 | 19927 |
| 70° | 17725 | 17725 | 17725 |
| 75° | 15970 | 15438 | 15970 |
| 80° | 13588 | 13588 | 13588 |
| 85° | 8497  | 8497  | 8497  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31346 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.3   | 6.8       |
| 10°-20°   | 112.0  | 16.8      |
| 20°-30°   | 133.1  | 20.0      |
| 30°-40°   | 122.3  | 18.4      |
| 40°-50°   | 99.3   | 14.9      |
| 50°-60°   | 73.5   | 11.1      |
| 60°-70°   | 48.6   | 7.3       |
| 70°-80°   | 25.2   | 3.8       |
| 80°-90°   | 5.7    | 0.9       |
| 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°    | 290.4  | 43.7      |
| 0°-40°    | 412.8  | 62.1      |
| 0°-60°    | 585.6  | 88.1      |
| 0°-90°    | 665.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 665.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 498 | 498   | 498 | 498   | 498 |      |
| 5°  | 487 | 486   | 486 | 486   | 487 | 45   |
| 15° | 402 | 402   | 402 | 402   | 402 | 112  |
| 25° | 290 | 289   | 289 | 290   | 289 | 133  |
| 35° | 196 | 195   | 195 | 196   | 196 | 123  |
| 45° | 129 | 128   | 128 | 128   | 128 | 100  |
| 55° | 82  | 82    | 82  | 82    | 82  | 74   |
| 65° | 49  | 49    | 49  | 49    | 49  | 49   |
| 75° | 24  | 24    | 23  | 24    | 24  | 25   |
| 85° | 4   | 4     | 4   | 4     | 4   | 6    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 497.8 | 497.8 | 497.8 | 497.8 | 497.8 |
| 1°    | 497.8 | 496.9 | 496.9 | 496.9 | 497.8 |
| 2°    | 496.1 | 496.1 | 496.1 | 496.1 | 496.1 |
| 3°    | 494.3 | 493.5 | 493.5 | 493.5 | 493.5 |
| 4°    | 490.9 | 490.1 | 490.1 | 490.1 | 490.1 |
| 5°    | 486.6 | 485.8 | 485.8 | 485.8 | 486.6 |
| 6°    | 481.5 | 480.6 | 479.8 | 479.8 | 480.6 |
| 7°    | 476.3 | 474.6 | 474.6 | 474.6 | 474.6 |
| 8°    | 468.6 | 467.7 | 467.7 | 467.7 | 467.7 |
| 9°    | 460.9 | 459.2 | 460.0 | 460.0 | 460.0 |
| 10°   | 452.3 | 451.4 | 451.4 | 451.4 | 452.3 |
| 11°   | 443.7 | 442.9 | 442.9 | 442.0 | 442.9 |
| 12°   | 433.4 | 433.4 | 433.4 | 433.4 | 433.4 |
| 13°   | 424.0 | 423.1 | 423.1 | 423.1 | 424.0 |
| 14°   | 413.7 | 412.8 | 412.8 | 412.8 | 412.8 |
| 15°   | 401.7 | 401.7 | 401.7 | 401.7 | 402.5 |
| 17.5° | 374.2 | 373.3 | 374.2 | 374.2 | 375.0 |
| 20°   | 345.9 | 345.0 | 345.9 | 345.9 | 345.9 |
| 22.5° | 317.5 | 317.5 | 316.7 | 317.5 | 318.4 |
| 25°   | 290.1 | 289.2 | 289.2 | 290.1 | 289.2 |
| 27.5° | 264.3 | 263.5 | 263.5 | 263.5 | 263.5 |
| 30°   | 240.3 | 238.6 | 238.6 | 239.4 | 239.4 |
| 32.5° | 215.4 | 215.4 | 216.3 | 215.4 | 215.4 |
| 35°   | 195.7 | 194.8 | 194.8 | 195.7 | 195.7 |
| 37.5° | 175.9 | 175.1 | 175.1 | 175.9 | 175.9 |
| 40°   | 158.8 | 158.8 | 157.9 | 158.8 | 158.8 |
| 42.5° | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 |
| 45°   | 128.7 | 127.9 | 127.9 | 127.9 | 127.9 |
| 47.5° | 115.0 | 115.0 | 115.0 | 114.1 | 115.0 |
| 50°   | 103.8 | 103.0 | 103.0 | 103.0 | 103.0 |
| 52.5° | 91.8  | 91.8  | 91.8  | 91.8  | 91.8  |
| 55°   | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  |
| 57.5° | 73.0  | 72.1  | 72.1  | 72.1  | 72.1  |
| 60°   | 64.4  | 64.4  | 63.5  | 64.4  | 64.4  |
| 62.5° | 55.8  | 55.8  | 55.8  | 55.8  | 55.8  |
| 65°   | 48.9  | 48.9  | 48.9  | 48.9  | 48.9  |
| 67.5° | 42.1  | 42.1  | 42.1  | 42.1  | 42.1  |
| 70°   | 35.2  | 35.2  | 35.2  | 35.2  | 35.2  |
| 72.5° | 30.0  | 29.2  | 29.2  | 29.2  | 29.2  |
| 75°   | 24.0  | 24.0  | 23.2  | 24.0  | 24.0  |
| 77.5° | 18.0  | 18.0  | 18.0  | 18.0  | 18.0  |
| 80°   | 13.7  | 13.7  | 13.7  | 12.9  | 13.7  |
| 82.5° | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   |
| 85°   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   |
| 87.5° | 0.9   | 0.9   | 0.9   | 1.7   | 1.7   |



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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)