

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: P1305451

Luminaire Tested: P3SQASS02R359024DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305451  
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: P3SQASS02R359024DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

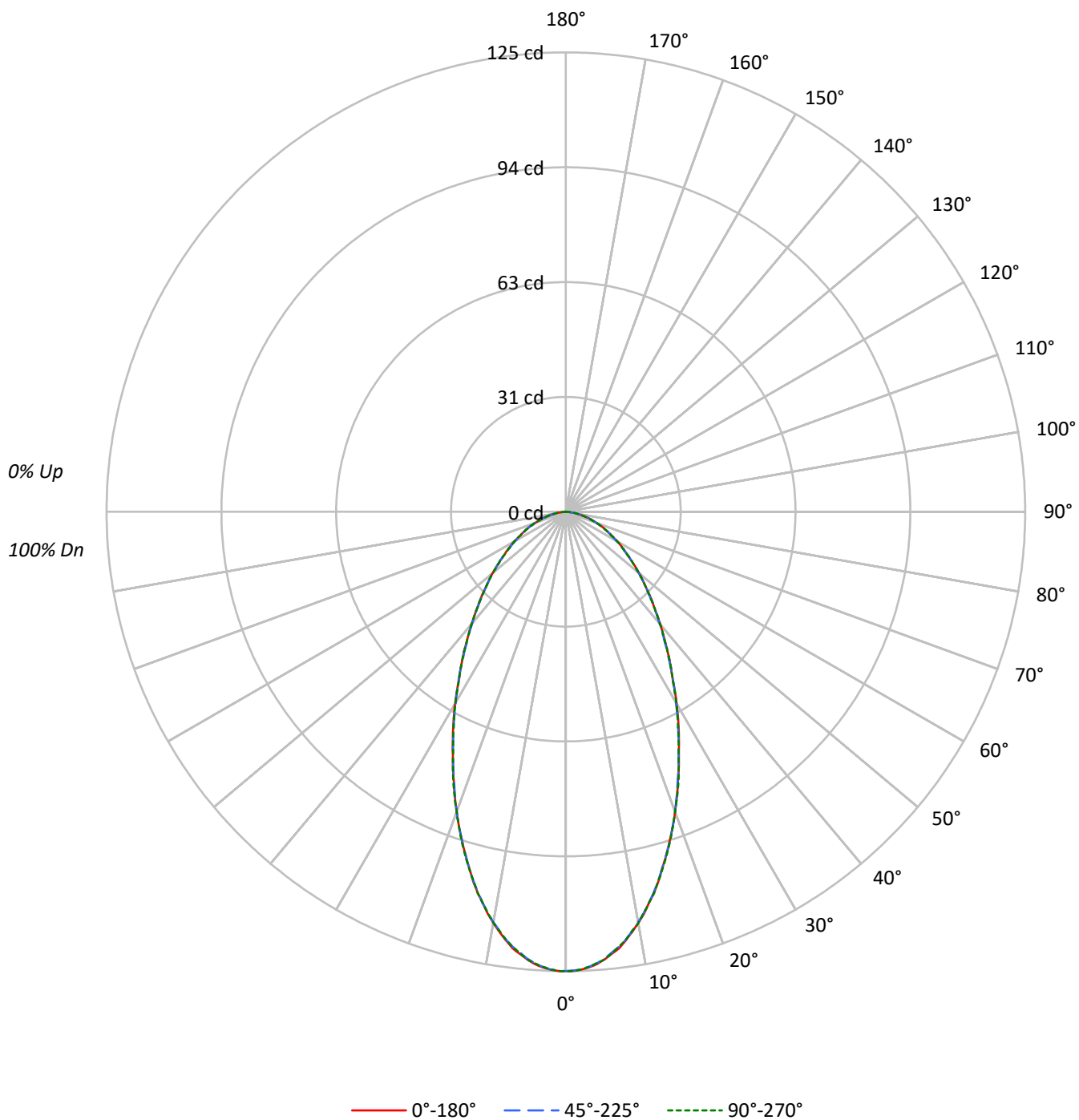
Lumens per Lamp: N/A  
Luminaire Lumens: 167.0 lumens  
Efficiency: N/A  
Efficacy: 46.4 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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°  | 21528 | 21528 | 21528 |
| 5°  | 21126 | 21091 | 21126 |
| 10° | 19866 | 19831 | 19866 |
| 15° | 17990 | 17990 | 18026 |
| 20° | 15927 | 15927 | 15927 |
| 25° | 13834 | 13796 | 13796 |
| 30° | 11992 | 11912 | 11952 |
| 35° | 10323 | 10281 | 10323 |
| 40° | 8970  | 8925  | 8970  |
| 45° | 7867  | 7818  | 7818  |
| 50° | 6993  | 6939  | 6939  |
| 55° | 6155  | 6155  | 6155  |
| 60° | 5580  | 5477  | 5580  |
| 65° | 5012  | 5012  | 5012  |
| 70° | 4431  | 4431  | 4431  |
| 75° | 3993  | 3859  | 3993  |
| 80° | 3372  | 3372  | 3372  |
| 85° | 2174  | 2174  | 2174  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7867 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 11.4   | 6.8       |
| 10°-20°   | 28.1   | 16.9      |
| 20°-30°   | 33.4   | 20.0      |
| 30°-40°   | 30.7   | 18.4      |
| 40°-50°   | 25.0   | 14.9      |
| 50°-60°   | 18.5   | 11.1      |
| 60°-70°   | 12.2   | 7.3       |
| 70°-80°   | 6.3    | 3.8       |
| 80°-90°   | 1.4    | 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°    | 72.9   | 43.7      |
| 0°-40°    | 103.7  | 62.1      |
| 0°-60°    | 147.1  | 88.1      |
| 0°-90°    | 167.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 167.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 125 | 125   | 125 | 125   | 125 |      |
| 5°  | 122 | 122   | 122 | 122   | 122 | 11   |
| 15° | 101 | 101   | 101 | 101   | 101 | 28   |
| 25° | 73  | 73    | 73  | 73    | 73  | 33   |
| 35° | 49  | 49    | 49  | 49    | 49  | 31   |
| 45° | 32  | 32    | 32  | 32    | 32  | 25   |
| 55° | 20  | 20    | 20  | 20    | 20  | 19   |
| 65° | 12  | 12    | 12  | 12    | 12  | 12   |
| 75° | 6   | 6     | 6   | 6     | 6   | 6    |
| 85° | 1   | 1     | 1   | 1     | 1   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 |
| 1°    | 125.0 | 124.8 | 124.8 | 124.8 | 125.0 |
| 2°    | 124.6 | 124.6 | 124.6 | 124.6 | 124.6 |
| 3°    | 124.1 | 123.9 | 123.9 | 123.9 | 123.9 |
| 4°    | 123.3 | 123.1 | 123.1 | 123.1 | 123.1 |
| 5°    | 122.2 | 122.0 | 122.0 | 122.0 | 122.2 |
| 6°    | 120.9 | 120.7 | 120.5 | 120.5 | 120.7 |
| 7°    | 119.6 | 119.2 | 119.2 | 119.2 | 119.2 |
| 8°    | 117.7 | 117.5 | 117.5 | 117.5 | 117.5 |
| 9°    | 115.7 | 115.3 | 115.5 | 115.5 | 115.5 |
| 10°   | 113.6 | 113.4 | 113.4 | 113.4 | 113.6 |
| 11°   | 111.4 | 111.2 | 111.2 | 111.0 | 111.2 |
| 12°   | 108.8 | 108.8 | 108.8 | 108.8 | 108.8 |
| 13°   | 106.5 | 106.3 | 106.3 | 106.3 | 106.5 |
| 14°   | 103.9 | 103.7 | 103.7 | 103.7 | 103.7 |
| 15°   | 100.9 | 100.9 | 100.9 | 100.9 | 101.1 |
| 17.5° | 94.0  | 93.8  | 94.0  | 94.0  | 94.2  |
| 20°   | 86.9  | 86.6  | 86.9  | 86.9  | 86.9  |
| 22.5° | 79.7  | 79.7  | 79.5  | 79.7  | 80.0  |
| 25°   | 72.8  | 72.6  | 72.6  | 72.8  | 72.6  |
| 27.5° | 66.4  | 66.2  | 66.2  | 66.2  | 66.2  |
| 30°   | 60.3  | 59.9  | 59.9  | 60.1  | 60.1  |
| 32.5° | 54.1  | 54.1  | 54.3  | 54.1  | 54.1  |
| 35°   | 49.1  | 48.9  | 48.9  | 49.1  | 49.1  |
| 37.5° | 44.2  | 44.0  | 44.0  | 44.2  | 44.2  |
| 40°   | 39.9  | 39.9  | 39.7  | 39.9  | 39.9  |
| 42.5° | 35.8  | 35.8  | 35.8  | 35.8  | 35.8  |
| 45°   | 32.3  | 32.1  | 32.1  | 32.1  | 32.1  |
| 47.5° | 28.9  | 28.9  | 28.9  | 28.7  | 28.9  |
| 50°   | 26.1  | 25.9  | 25.9  | 25.9  | 25.9  |
| 52.5° | 23.1  | 23.1  | 23.1  | 23.1  | 23.1  |
| 55°   | 20.5  | 20.5  | 20.5  | 20.5  | 20.5  |
| 57.5° | 18.3  | 18.1  | 18.1  | 18.1  | 18.1  |
| 60°   | 16.2  | 16.2  | 15.9  | 16.2  | 16.2  |
| 62.5° | 14.0  | 14.0  | 14.0  | 14.0  | 14.0  |
| 65°   | 12.3  | 12.3  | 12.3  | 12.3  | 12.3  |
| 67.5° | 10.6  | 10.6  | 10.6  | 10.6  | 10.6  |
| 70°   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   |
| 72.5° | 7.5   | 7.3   | 7.3   | 7.3   | 7.3   |
| 75°   | 6.0   | 6.0   | 5.8   | 6.0   | 6.0   |
| 77.5° | 4.5   | 4.5   | 4.5   | 4.5   | 4.5   |
| 80°   | 3.4   | 3.4   | 3.4   | 3.2   | 3.4   |
| 82.5° | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   |
| 85°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 87.5° | 0.2   | 0.2   | 0.2   | 0.4   | 0.4   |



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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)