

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: P1308793

Luminaire Tested: P3SQAS05R259035DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308793  
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: P3SQAS05R259035DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

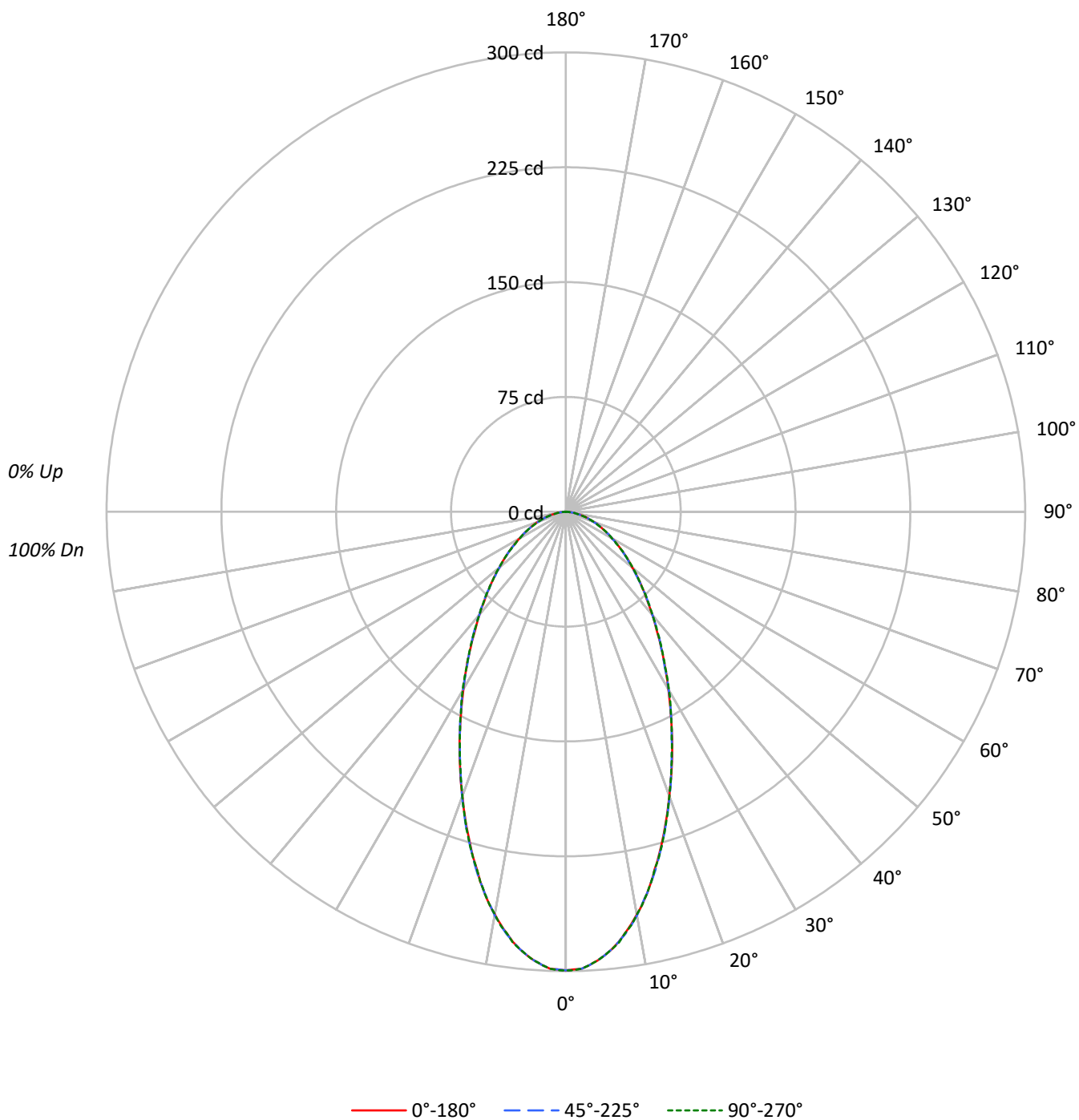
Lumens per Lamp: N/A  
Luminaire Lumens: 375.0 lumens  
Efficiency: N/A  
Efficacy: 52.1 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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  | 63  | 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°  | 51581 | 51581 | 51581 |
| 5°  | 50274 | 50274 | 50274 |
| 10° | 46710 | 46798 | 46710 |
| 15° | 41668 | 41757 | 41757 |
| 20° | 36215 | 36307 | 36215 |
| 25° | 31202 | 31107 | 31107 |
| 30° | 26608 | 26708 | 26807 |
| 35° | 22833 | 22833 | 22938 |
| 40° | 19784 | 19784 | 19784 |
| 45° | 17293 | 17293 | 17293 |
| 50° | 15165 | 15165 | 15299 |
| 55° | 13602 | 13602 | 13602 |
| 60° | 12056 | 12056 | 12056 |
| 65° | 10921 | 10921 | 10921 |
| 70° | 9869  | 9567  | 9869  |
| 75° | 8917  | 8584  | 8584  |
| 80° | 7141  | 7141  | 7141  |
| 85° | 5138  | 5138  | 5138  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17293 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 27.0   | 7.2       |
| 10°-20°   | 65.2   | 17.4      |
| 20°-30°   | 75.3   | 20.1      |
| 30°-40°   | 68.3   | 18.2      |
| 40°-50°   | 55.0   | 14.7      |
| 50°-60°   | 40.5   | 10.8      |
| 60°-70°   | 26.7   | 7.1       |
| 70°-80°   | 13.8   | 3.7       |
| 80°-90°   | 3.1    | 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°    | 167.6  | 44.7      |
| 0°-40°    | 235.8  | 62.9      |
| 0°-60°    | 331.4  | 88.4      |
| 0°-90°    | 375.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 375.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 300 | 300   | 300 | 300   | 300 |      |
| 5°  | 291 | 292   | 291 | 291   | 291 | 27   |
| 15° | 234 | 234   | 234 | 234   | 234 | 65   |
| 25° | 164 | 164   | 164 | 164   | 164 | 75   |
| 35° | 109 | 109   | 109 | 109   | 109 | 68   |
| 45° | 71  | 71    | 71  | 71    | 71  | 55   |
| 55° | 45  | 45    | 45  | 45    | 45  | 41   |
| 65° | 27  | 27    | 27  | 27    | 27  | 27   |
| 75° | 13  | 13    | 13  | 13    | 13  | 14   |
| 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°    | 299.5 | 299.5 | 299.5 | 299.5 | 299.5 |
| 1°    | 299.0 | 300.0 | 299.0 | 299.0 | 299.5 |
| 2°    | 298.5 | 299.0 | 298.5 | 298.5 | 298.5 |
| 3°    | 296.4 | 297.5 | 296.4 | 296.4 | 296.4 |
| 4°    | 293.9 | 294.9 | 293.9 | 293.9 | 293.9 |
| 5°    | 290.8 | 291.8 | 290.8 | 290.8 | 290.8 |
| 6°    | 287.2 | 287.7 | 287.2 | 287.2 | 287.2 |
| 7°    | 283.1 | 283.6 | 283.1 | 283.1 | 283.6 |
| 8°    | 277.9 | 278.4 | 278.4 | 277.9 | 277.9 |
| 9°    | 272.8 | 273.3 | 273.3 | 272.8 | 273.3 |
| 10°   | 267.1 | 267.6 | 267.6 | 267.1 | 267.1 |
| 11°   | 261.4 | 262.0 | 260.9 | 260.9 | 261.4 |
| 12°   | 254.8 | 255.3 | 254.8 | 254.8 | 254.8 |
| 13°   | 248.1 | 248.1 | 248.1 | 248.1 | 248.1 |
| 14°   | 240.3 | 241.4 | 241.4 | 240.9 | 240.3 |
| 15°   | 233.7 | 234.2 | 234.2 | 233.7 | 234.2 |
| 17.5° | 215.6 | 216.7 | 216.2 | 216.2 | 216.2 |
| 20°   | 197.6 | 198.1 | 198.1 | 197.6 | 197.6 |
| 22.5° | 180.6 | 180.1 | 180.1 | 180.1 | 180.1 |
| 25°   | 164.2 | 163.7 | 163.7 | 164.2 | 163.7 |
| 27.5° | 148.2 | 148.7 | 148.7 | 148.2 | 148.7 |
| 30°   | 133.8 | 133.8 | 134.3 | 133.8 | 134.8 |
| 32.5° | 120.9 | 120.9 | 120.4 | 120.9 | 120.9 |
| 35°   | 108.6 | 108.6 | 108.6 | 108.6 | 109.1 |
| 37.5° | 97.3  | 97.8  | 98.3  | 98.3  | 97.8  |
| 40°   | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  |
| 42.5° | 78.7  | 78.7  | 79.3  | 79.3  | 79.3  |
| 45°   | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  |
| 47.5° | 63.8  | 63.8  | 63.3  | 63.3  | 63.8  |
| 50°   | 56.6  | 57.1  | 56.6  | 56.6  | 57.1  |
| 52.5° | 51.0  | 50.4  | 50.4  | 51.0  | 51.0  |
| 55°   | 45.3  | 45.3  | 45.3  | 44.8  | 45.3  |
| 57.5° | 40.1  | 40.1  | 39.6  | 39.6  | 39.6  |
| 60°   | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  |
| 62.5° | 30.9  | 30.9  | 30.9  | 30.9  | 30.9  |
| 65°   | 26.8  | 26.8  | 26.8  | 26.8  | 26.8  |
| 67.5° | 23.2  | 23.2  | 23.2  | 23.2  | 22.6  |
| 70°   | 19.6  | 19.6  | 19.0  | 19.0  | 19.6  |
| 72.5° | 16.0  | 16.0  | 16.0  | 16.0  | 16.0  |
| 75°   | 13.4  | 12.9  | 12.9  | 12.9  | 12.9  |
| 77.5° | 10.3  | 10.3  | 9.8   | 10.3  | 9.8   |
| 80°   | 7.2   | 7.2   | 7.2   | 7.2   | 7.2   |
| 82.5° | 5.1   | 4.6   | 4.6   | 4.6   | 4.6   |
| 85°   | 2.6   | 2.6   | 2.6   | 2.6   | 2.6   |
| 87.5° | 0.5   | 0.5   | 0.5   | 0.5   | 1.0   |



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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)