

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: P1316852

Luminaire Tested: P3SQAS05R359830DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316852  
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: P3SQAS05R359830DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

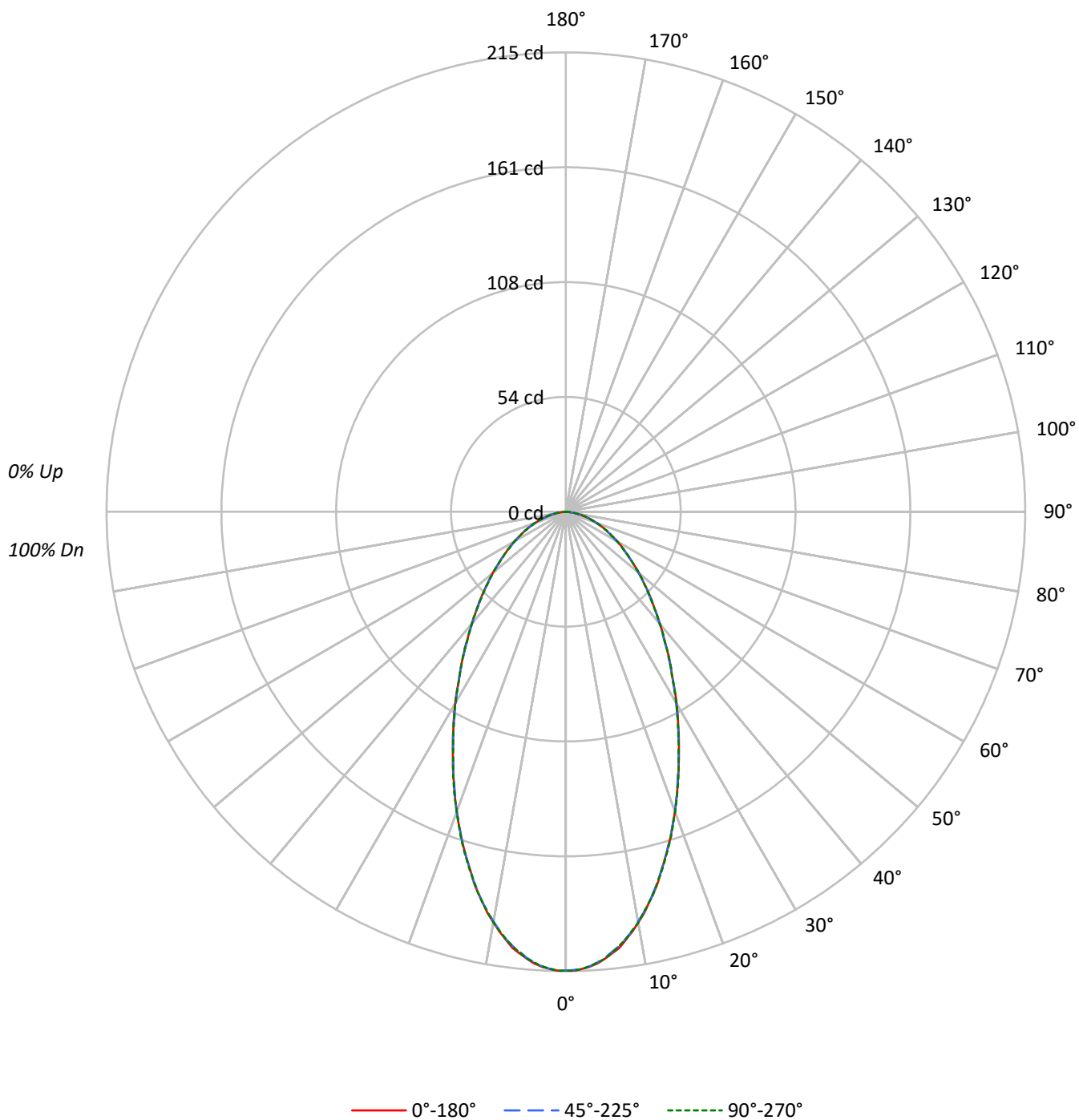
Lumens per Lamp: N/A  
Luminaire Lumens: 287.0 lumens  
Efficiency: N/A  
Efficacy: 39.9 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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 | 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  | 64  | 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°  | 36993 | 36993 | 36993 |
| 5°  | 36305 | 36236 | 36305 |
| 10° | 34136 | 34067 | 34136 |
| 15° | 30899 | 30899 | 30970 |
| 20° | 27363 | 27363 | 27363 |
| 25° | 23791 | 23715 | 23715 |
| 30° | 20622 | 20483 | 20543 |
| 35° | 17766 | 17682 | 17766 |
| 40° | 15400 | 15333 | 15400 |
| 45° | 13542 | 13444 | 13444 |
| 50° | 12003 | 11896 | 11896 |
| 55° | 10569 | 10569 | 10569 |
| 60° | 9576  | 9438  | 9576  |
| 65° | 8599  | 8599  | 8599  |
| 70° | 7654  | 7654  | 7654  |
| 75° | 6920  | 6654  | 6920  |
| 80° | 5852  | 5852  | 5852  |
| 85° | 3754  | 3754  | 3754  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13542 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 19.5   | 6.8       |
| 10°-20°   | 48.4   | 16.8      |
| 20°-30°   | 57.4   | 20.0      |
| 30°-40°   | 52.8   | 18.4      |
| 40°-50°   | 42.9   | 14.9      |
| 50°-60°   | 31.7   | 11.0      |
| 60°-70°   | 21.0   | 7.3       |
| 70°-80°   | 10.9   | 3.8       |
| 80°-90°   | 2.5    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 125.3  | 43.7      |
| 0°-40°    | 178.2  | 62.1      |
| 0°-60°    | 252.7  | 88.1      |
| 0°-90°    | 287.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 287.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 215 | 215   | 215 | 215   | 215 |      |
| 5°  | 210 | 210   | 210 | 210   | 210 | 20   |
| 15° | 173 | 173   | 173 | 173   | 174 | 48   |
| 25° | 125 | 125   | 125 | 125   | 125 | 58   |
| 35° | 84  | 84    | 84  | 84    | 84  | 53   |
| 45° | 56  | 55    | 55  | 55    | 55  | 43   |
| 55° | 35  | 35    | 35  | 35    | 35  | 32   |
| 65° | 21  | 21    | 21  | 21    | 21  | 21   |
| 75° | 10  | 10    | 10  | 10    | 10  | 11   |
| 85° | 2   | 2     | 2   | 2     | 2   | 2    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 214.8 | 214.8 | 214.8 | 214.8 | 214.8 |
| 1°    | 214.8 | 214.5 | 214.5 | 214.5 | 214.8 |
| 2°    | 214.1 | 214.1 | 214.1 | 214.1 | 214.1 |
| 3°    | 213.3 | 213.0 | 213.0 | 213.0 | 213.0 |
| 4°    | 211.9 | 211.5 | 211.5 | 211.5 | 211.5 |
| 5°    | 210.0 | 209.6 | 209.6 | 209.6 | 210.0 |
| 6°    | 207.8 | 207.4 | 207.1 | 207.1 | 207.4 |
| 7°    | 205.6 | 204.8 | 204.8 | 204.8 | 204.8 |
| 8°    | 202.2 | 201.9 | 201.9 | 201.9 | 201.9 |
| 9°    | 198.9 | 198.2 | 198.5 | 198.5 | 198.5 |
| 10°   | 195.2 | 194.8 | 194.8 | 194.8 | 195.2 |
| 11°   | 191.5 | 191.1 | 191.1 | 190.8 | 191.1 |
| 12°   | 187.1 | 187.1 | 187.1 | 187.1 | 187.1 |
| 13°   | 183.0 | 182.6 | 182.6 | 182.6 | 183.0 |
| 14°   | 178.5 | 178.2 | 178.2 | 178.2 | 178.2 |
| 15°   | 173.3 | 173.3 | 173.3 | 173.3 | 173.7 |
| 17.5° | 161.5 | 161.1 | 161.5 | 161.5 | 161.9 |
| 20°   | 149.3 | 148.9 | 149.3 | 149.3 | 149.3 |
| 22.5° | 137.0 | 137.0 | 136.7 | 137.0 | 137.4 |
| 25°   | 125.2 | 124.8 | 124.8 | 125.2 | 124.8 |
| 27.5° | 114.1 | 113.7 | 113.7 | 113.7 | 113.7 |
| 30°   | 103.7 | 103.0 | 103.0 | 103.3 | 103.3 |
| 32.5° | 93.0  | 93.0  | 93.3  | 93.0  | 93.0  |
| 35°   | 84.5  | 84.1  | 84.1  | 84.5  | 84.5  |
| 37.5° | 75.9  | 75.6  | 75.6  | 75.9  | 75.9  |
| 40°   | 68.5  | 68.5  | 68.2  | 68.5  | 68.5  |
| 42.5° | 61.5  | 61.5  | 61.5  | 61.5  | 61.5  |
| 45°   | 55.6  | 55.2  | 55.2  | 55.2  | 55.2  |
| 47.5° | 49.6  | 49.6  | 49.6  | 49.3  | 49.6  |
| 50°   | 44.8  | 44.4  | 44.4  | 44.4  | 44.4  |
| 52.5° | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  |
| 55°   | 35.2  | 35.2  | 35.2  | 35.2  | 35.2  |
| 57.5° | 31.5  | 31.1  | 31.1  | 31.1  | 31.1  |
| 60°   | 27.8  | 27.8  | 27.4  | 27.8  | 27.8  |
| 62.5° | 24.1  | 24.1  | 24.1  | 24.1  | 24.1  |
| 65°   | 21.1  | 21.1  | 21.1  | 21.1  | 21.1  |
| 67.5° | 18.1  | 18.1  | 18.1  | 18.1  | 18.1  |
| 70°   | 15.2  | 15.2  | 15.2  | 15.2  | 15.2  |
| 72.5° | 13.0  | 12.6  | 12.6  | 12.6  | 12.6  |
| 75°   | 10.4  | 10.4  | 10.0  | 10.4  | 10.4  |
| 77.5° | 7.8   | 7.8   | 7.8   | 7.8   | 7.8   |
| 80°   | 5.9   | 5.9   | 5.9   | 5.6   | 5.9   |
| 82.5° | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   |
| 85°   | 1.9   | 1.9   | 1.9   | 1.9   | 1.9   |
| 87.5° | 0.4   | 0.4   | 0.4   | 0.7   | 0.7   |



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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)