

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: P1309945

Luminaire Tested: P3SQAS05R359040DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309945  
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: P3SQAS05R359040DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

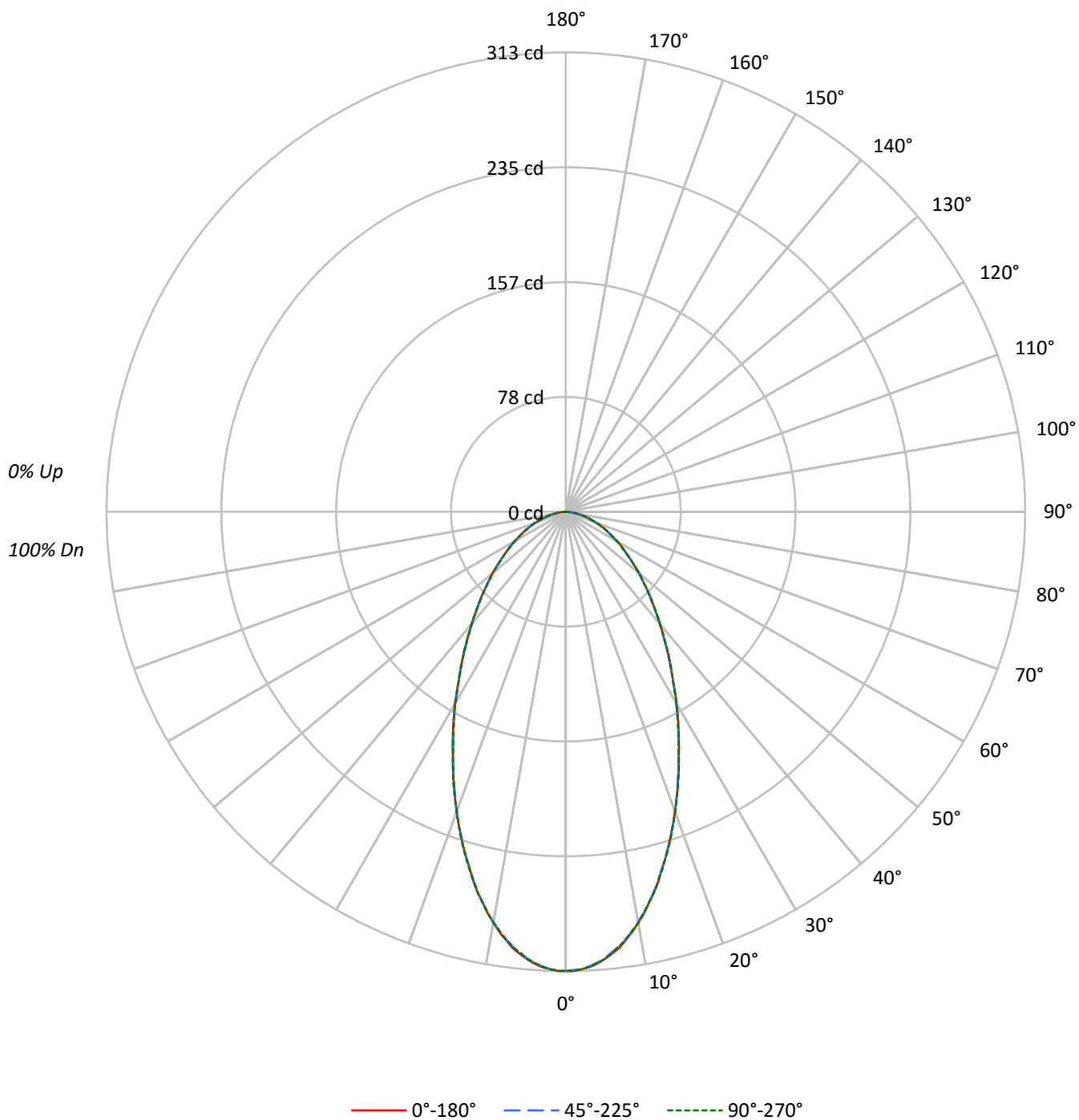
Lumens per Lamp: N/A  
Luminaire Lumens: 418.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 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°  | 53888 | 53888 | 53888 |
| 5°  | 52884 | 52780 | 52884 |
| 10° | 49718 | 49631 | 49718 |
| 15° | 45020 | 45020 | 45109 |
| 20° | 39844 | 39844 | 39844 |
| 25° | 34642 | 34547 | 34547 |
| 30° | 30029 | 29830 | 29929 |
| 35° | 25860 | 25755 | 25860 |
| 40° | 22437 | 22325 | 22437 |
| 45° | 19704 | 19582 | 19582 |
| 50° | 17496 | 17335 | 17335 |
| 55° | 15373 | 15373 | 15373 |
| 60° | 13950 | 13743 | 13950 |
| 65° | 12511 | 12511 | 12511 |
| 70° | 11128 | 11128 | 11128 |
| 75° | 10048 | 9715  | 10048 |
| 80° | 8529  | 8529  | 8529  |
| 85° | 5335  | 5335  | 5335  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19704 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 28.5   | 6.8       |
| 10°-20°   | 70.4   | 16.9      |
| 20°-30°   | 83.7   | 20.0      |
| 30°-40°   | 76.9   | 18.4      |
| 40°-50°   | 62.4   | 14.9      |
| 50°-60°   | 46.2   | 11.0      |
| 60°-70°   | 30.5   | 7.3       |
| 70°-80°   | 15.8   | 3.8       |
| 80°-90°   | 3.6    | 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°    | 182.6  | 43.7      |
| 0°-40°    | 259.5  | 62.1      |
| 0°-60°    | 368.1  | 88.1      |
| 0°-90°    | 418.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 418.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 313 | 313   | 313 | 313   | 313 |      |
| 5°  | 306 | 305   | 305 | 305   | 306 | 29   |
| 15° | 252 | 252   | 252 | 252   | 253 | 70   |
| 25° | 182 | 182   | 182 | 182   | 182 | 84   |
| 35° | 123 | 122   | 122 | 123   | 123 | 77   |
| 45° | 81  | 80    | 80  | 80    | 80  | 63   |
| 55° | 51  | 51    | 51  | 51    | 51  | 46   |
| 65° | 31  | 31    | 31  | 31    | 31  | 31   |
| 75° | 15  | 15    | 15  | 15    | 15  | 16   |
| 85° | 3   | 3     | 3   | 3     | 3   | 4    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 312.9 | 312.9 | 312.9 | 312.9 | 312.9 |
| 1°    | 312.9 | 312.3 | 312.3 | 312.3 | 312.9 |
| 2°    | 311.8 | 311.8 | 311.8 | 311.8 | 311.8 |
| 3°    | 310.7 | 310.2 | 310.2 | 310.2 | 310.2 |
| 4°    | 308.6 | 308.0 | 308.0 | 308.0 | 308.0 |
| 5°    | 305.9 | 305.3 | 305.3 | 305.3 | 305.9 |
| 6°    | 302.6 | 302.1 | 301.6 | 301.6 | 302.1 |
| 7°    | 299.4 | 298.3 | 298.3 | 298.3 | 298.3 |
| 8°    | 294.5 | 294.0 | 294.0 | 294.0 | 294.0 |
| 9°    | 289.7 | 288.6 | 289.2 | 289.2 | 289.2 |
| 10°   | 284.3 | 283.8 | 283.8 | 283.8 | 284.3 |
| 11°   | 278.9 | 278.4 | 278.4 | 277.8 | 278.4 |
| 12°   | 272.4 | 272.4 | 272.4 | 272.4 | 272.4 |
| 13°   | 266.5 | 266.0 | 266.0 | 266.0 | 266.5 |
| 14°   | 260.0 | 259.5 | 259.5 | 259.5 | 259.5 |
| 15°   | 252.5 | 252.5 | 252.5 | 252.5 | 253.0 |
| 17.5° | 235.2 | 234.7 | 235.2 | 235.2 | 235.7 |
| 20°   | 217.4 | 216.9 | 217.4 | 217.4 | 217.4 |
| 22.5° | 199.6 | 199.6 | 199.1 | 199.6 | 200.1 |
| 25°   | 182.3 | 181.8 | 181.8 | 182.3 | 181.8 |
| 27.5° | 166.2 | 165.6 | 165.6 | 165.6 | 165.6 |
| 30°   | 151.0 | 150.0 | 150.0 | 150.5 | 150.5 |
| 32.5° | 135.4 | 135.4 | 135.9 | 135.4 | 135.4 |
| 35°   | 123.0 | 122.5 | 122.5 | 123.0 | 123.0 |
| 37.5° | 110.6 | 110.1 | 110.1 | 110.6 | 110.6 |
| 40°   | 99.8  | 99.8  | 99.3  | 99.8  | 99.8  |
| 42.5° | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  |
| 45°   | 80.9  | 80.4  | 80.4  | 80.4  | 80.4  |
| 47.5° | 72.3  | 72.3  | 72.3  | 71.7  | 72.3  |
| 50°   | 65.3  | 64.7  | 64.7  | 64.7  | 64.7  |
| 52.5° | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  |
| 55°   | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  |
| 57.5° | 45.9  | 45.3  | 45.3  | 45.3  | 45.3  |
| 60°   | 40.5  | 40.5  | 39.9  | 40.5  | 40.5  |
| 62.5° | 35.1  | 35.1  | 35.1  | 35.1  | 35.1  |
| 65°   | 30.7  | 30.7  | 30.7  | 30.7  | 30.7  |
| 67.5° | 26.4  | 26.4  | 26.4  | 26.4  | 26.4  |
| 70°   | 22.1  | 22.1  | 22.1  | 22.1  | 22.1  |
| 72.5° | 18.9  | 18.3  | 18.3  | 18.3  | 18.3  |
| 75°   | 15.1  | 15.1  | 14.6  | 15.1  | 15.1  |
| 77.5° | 11.3  | 11.3  | 11.3  | 11.3  | 11.3  |
| 80°   | 8.6   | 8.6   | 8.6   | 8.1   | 8.6   |
| 82.5° | 5.4   | 5.4   | 5.4   | 5.4   | 5.4   |
| 85°   | 2.7   | 2.7   | 2.7   | 2.7   | 2.7   |
| 87.5° | 0.5   | 0.5   | 0.5   | 1.1   | 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)