

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: P1316057

Luminaire Tested: P3SQAS09R159827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316057  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R159827DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

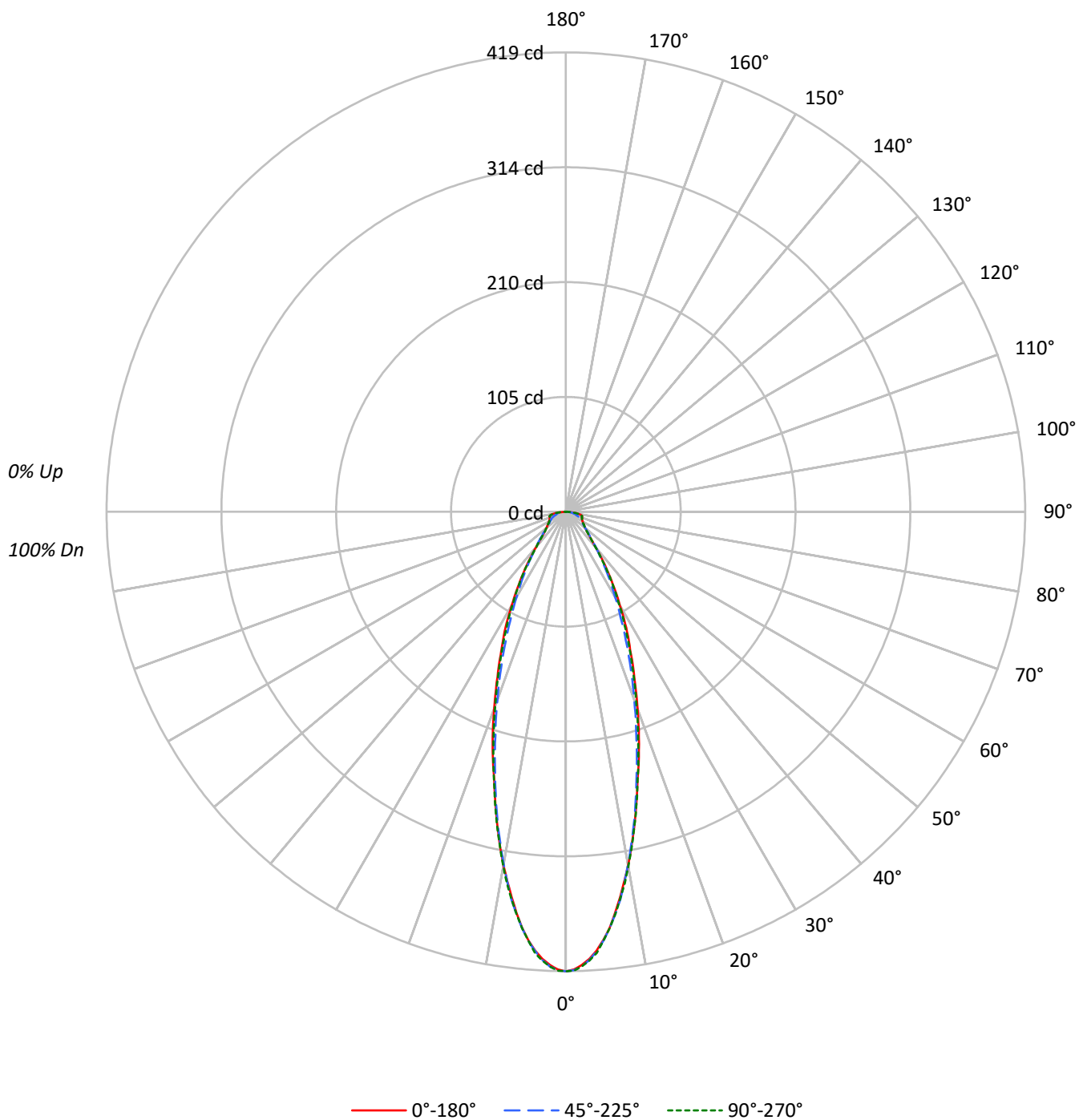
Lumens per Lamp: N/A  
Luminaire Lumens: 281.0 lumens  
Efficiency: N/A  
Efficacy: 25.5 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  |  | 97  | 95  | 94  |  | 94  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  |  | 90  | 86  | 83  |  | 87  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 86  | 81  | 77  |  | 83  | 79  | 76  |  | 81  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  |  | 77  | 73  | 69  |  | 75  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 64  |  | 72  | 68  | 64  |  | 71  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 70  | 64  | 60  |  | 68  | 63  | 59  |  | 67  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 60  | 56  | 66  | 60  | 56  |  | 64  | 59  | 55  |  | 63  |
| 8   | 74  | 64  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  |  | 61  | 56  | 52  |  | 60  |
| 9   | 71  | 60  | 54  | 49  | 70  | 60  | 53  | 49  | 59  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |
| 10  | 68  | 57  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 50  | 46  |  | 55  | 50  | 46  |  | 54  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 72196 | 72196 | 72196 |
| 5°  | 67804 | 67890 | 67890 |
| 10° | 57273 | 57098 | 57448 |
| 15° | 45038 | 44414 | 45127 |
| 20° | 35006 | 33411 | 34529 |
| 25° | 26414 | 24589 | 26034 |
| 30° | 19648 | 17918 | 19250 |
| 35° | 14023 | 13056 | 13813 |
| 40° | 9510  | 9622  | 9398  |
| 45° | 7063  | 7453  | 7063  |
| 50° | 6136  | 6136  | 6136  |
| 55° | 5975  | 5645  | 5975  |
| 60° | 6131  | 5614  | 5959  |
| 65° | 6642  | 5827  | 6642  |
| 70° | 7956  | 5891  | 7956  |
| 75° | 10181 | 6122  | 10181 |
| 80° | 12596 | 6546  | 12100 |
| 85° | 10078 | 6126  | 11066 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 12596 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 35.4   | 12.6      |
| 10°-20°   | 69.9   | 24.9      |
| 20°-30°   | 61.8   | 22.0      |
| 30°-40°   | 40.6   | 14.4      |
| 40°-50°   | 23.7   | 8.4       |
| 50°-60°   | 17.5   | 6.2       |
| 60°-70°   | 14.9   | 5.3       |
| 70°-80°   | 12.3   | 4.4       |
| 80°-90°   | 5.1    | 1.8       |
| 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°    | 167.0  | 59.4      |
| 0°-40°    | 207.6  | 73.9      |
| 0°-60°    | 248.8  | 88.5      |
| 0°-90°    | 281.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 281.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 419 | 419   | 419 | 419   | 419 |      |
| 5°  | 392 | 392   | 393 | 393   | 393 | 35   |
| 15° | 253 | 253   | 249 | 252   | 253 | 71   |
| 25° | 139 | 134   | 129 | 133   | 137 | 64   |
| 35° | 67  | 64    | 62  | 64    | 66  | 42   |
| 45° | 29  | 30    | 31  | 30    | 29  | 23   |
| 55° | 20  | 19    | 19  | 19    | 20  | 18   |
| 65° | 16  | 15    | 14  | 15    | 16  | 16   |
| 75° | 15  | 11    | 9   | 12    | 15  | 16   |
| 85° | 5   | 6     | 3   | 5     | 6   | 6    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 419.2 | 419.2 | 419.2 | 419.2 | 419.2 |
| 1°    | 417.6 | 418.1 | 418.1 | 418.7 | 418.7 |
| 2°    | 413.6 | 414.6 | 415.1 | 415.1 | 415.1 |
| 3°    | 408.5 | 409.0 | 409.5 | 410.0 | 410.0 |
| 4°    | 401.3 | 401.9 | 401.9 | 402.9 | 403.4 |
| 5°    | 392.2 | 392.2 | 392.7 | 393.2 | 392.7 |
| 6°    | 381.5 | 381.5 | 382.0 | 382.0 | 382.0 |
| 7°    | 368.7 | 369.3 | 369.8 | 370.3 | 369.8 |
| 8°    | 355.0 | 355.5 | 357.0 | 357.0 | 356.5 |
| 9°    | 341.2 | 341.8 | 341.8 | 343.3 | 343.3 |
| 10°   | 327.5 | 327.5 | 326.5 | 327.5 | 328.5 |
| 12.5° | 290.3 | 289.8 | 288.3 | 289.8 | 290.8 |
| 15°   | 252.6 | 252.6 | 249.1 | 252.1 | 253.1 |
| 17.5° | 222.1 | 217.5 | 213.9 | 217.0 | 219.5 |
| 20°   | 191.0 | 186.4 | 182.3 | 185.4 | 188.4 |
| 22.5° | 163.0 | 159.4 | 154.3 | 157.4 | 160.9 |
| 25°   | 139.0 | 134.5 | 129.4 | 132.9 | 137.0 |
| 27.5° | 119.2 | 113.1 | 108.0 | 112.0 | 115.6 |
| 30°   | 98.8  | 94.7  | 90.1  | 93.2  | 96.8  |
| 32.5° | 81.5  | 78.4  | 74.9  | 77.4  | 80.5  |
| 35°   | 66.7  | 64.2  | 62.1  | 63.7  | 65.7  |
| 37.5° | 53.5  | 52.5  | 51.4  | 52.0  | 52.0  |
| 40°   | 42.3  | 42.8  | 42.8  | 42.8  | 41.8  |
| 42.5° | 34.6  | 35.1  | 36.2  | 35.1  | 34.6  |
| 45°   | 29.0  | 29.5  | 30.6  | 29.5  | 29.0  |
| 47.5° | 25.5  | 26.0  | 26.5  | 25.5  | 25.5  |
| 50°   | 22.9  | 22.9  | 22.9  | 22.9  | 22.9  |
| 52.5° | 21.4  | 20.9  | 20.9  | 20.9  | 21.4  |
| 55°   | 19.9  | 19.4  | 18.8  | 19.4  | 19.9  |
| 57.5° | 18.3  | 17.8  | 17.3  | 17.8  | 18.3  |
| 60°   | 17.8  | 16.8  | 16.3  | 16.8  | 17.3  |
| 62.5° | 16.8  | 15.8  | 15.3  | 15.8  | 16.8  |
| 65°   | 16.3  | 14.8  | 14.3  | 14.8  | 16.3  |
| 67.5° | 15.8  | 13.8  | 12.7  | 13.8  | 15.8  |
| 70°   | 15.8  | 12.7  | 11.7  | 13.2  | 15.8  |
| 72.5° | 15.3  | 12.2  | 10.2  | 12.2  | 15.3  |
| 75°   | 15.3  | 11.2  | 9.2   | 11.7  | 15.3  |
| 77.5° | 14.3  | 10.2  | 7.6   | 10.7  | 14.3  |
| 80°   | 12.7  | 9.2   | 6.6   | 9.7   | 12.2  |
| 82.5° | 9.2   | 7.6   | 5.1   | 7.6   | 9.2   |
| 85°   | 5.1   | 5.6   | 3.1   | 5.1   | 5.6   |
| 87.5° | 0.5   | 1.5   | 1.0   | 3.1   | 2.5   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)