

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: P1306698

Luminaire Tested: P3SQAS09R209027DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306698  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R209027DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

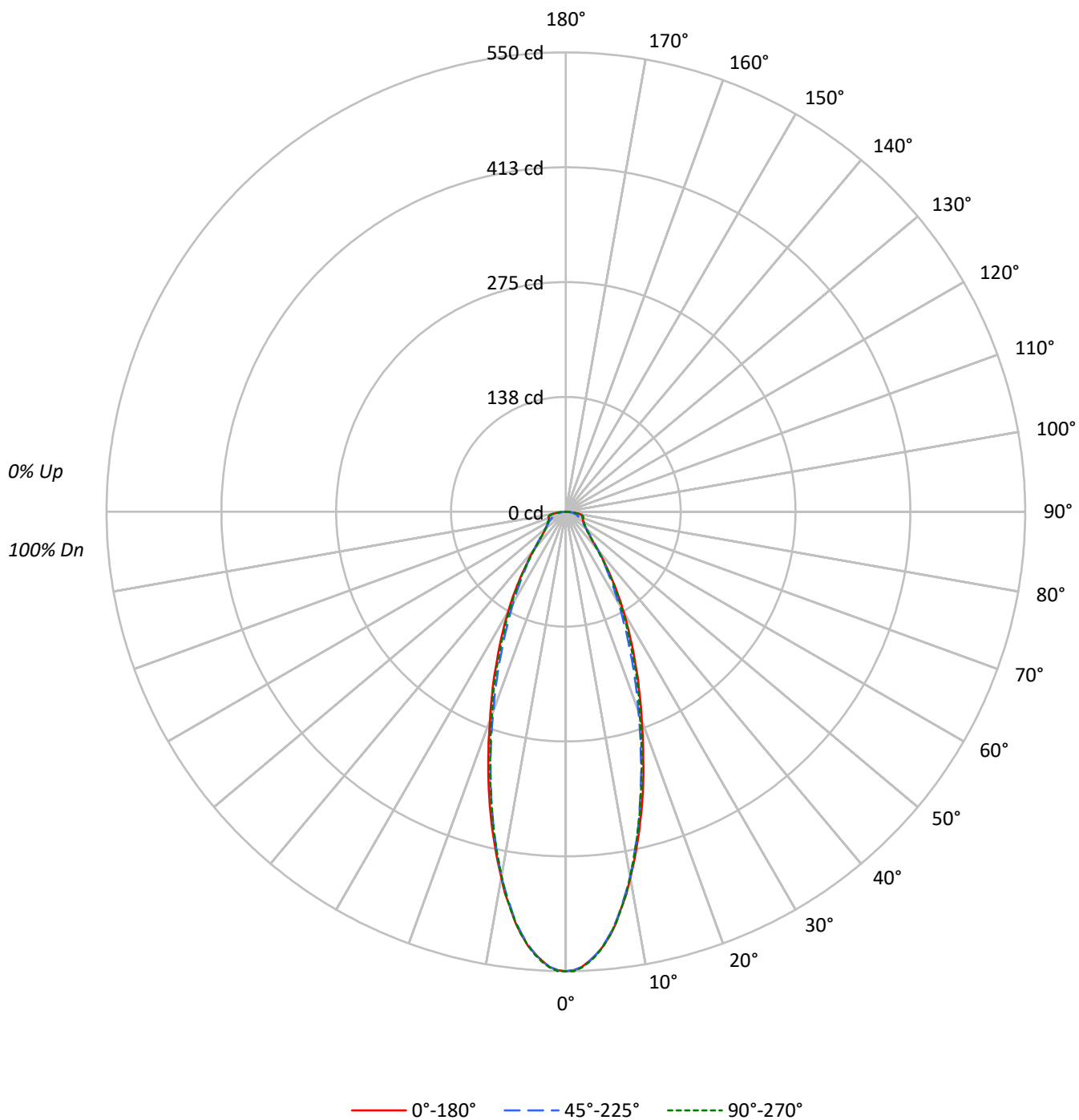
Lumens per Lamp: N/A  
Luminaire Lumens: 388.0 lumens  
Efficiency: N/A  
Efficacy: 35.0 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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  | 85  | 81  | 77  |  | 83  | 79  | 75  |  | 81  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 75  | 71  | 79  | 74  | 70  |  | 77  | 73  | 69  |  | 75  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 68  | 64  |  | 72  | 67  | 63  |  | 71  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 69  | 64  | 59  |  | 68  | 63  | 59  |  | 67  |
| 7   | 78  | 67  | 61  | 56  | 77  | 67  | 60  | 56  | 65  | 60  | 55  |  | 64  | 59  | 55  |  | 63  |
| 8   | 74  | 63  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  |  | 61  | 55  | 52  |  | 60  |
| 9   | 71  | 60  | 53  | 49  | 69  | 59  | 53  | 49  | 58  | 53  | 49  |  | 57  | 52  | 49  |  | 57  |
| 10  | 67  | 57  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 50  | 46  |  | 55  | 50  | 46  |  | 54  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 94757 | 94757 | 94757 |
| 5°  | 90157 | 89915 | 90157 |
| 10° | 77839 | 77594 | 77472 |
| 15° | 63171 | 61709 | 61941 |
| 20° | 48660 | 46534 | 47413 |
| 25° | 36960 | 34243 | 35934 |
| 30° | 27424 | 24978 | 26608 |
| 35° | 19385 | 18081 | 19090 |
| 40° | 13354 | 13354 | 13040 |
| 45° | 9815  | 10303 | 9815  |
| 50° | 8601  | 8601  | 8601  |
| 55° | 8197  | 7987  | 8197  |
| 60° | 8473  | 7750  | 8473  |
| 65° | 9169  | 7784  | 9169  |
| 70° | 10977 | 7906  | 10977 |
| 75° | 14107 | 8650  | 14107 |
| 80° | 17555 | 8827  | 16960 |
| 85° | 13437 | 8102  | 14820 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 17555 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 47.2   | 12.2      |
| 10°-20°   | 96.4   | 24.8      |
| 20°-30°   | 86.1   | 22.2      |
| 30°-40°   | 56.5   | 14.6      |
| 40°-50°   | 32.8   | 8.5       |
| 50°-60°   | 24.4   | 6.3       |
| 60°-70°   | 20.6   | 5.3       |
| 70°-80°   | 17.0   | 4.4       |
| 80°-90°   | 7.1    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 229.6  | 59.2      |
| 0°-40°    | 286.1  | 73.7      |
| 0°-60°    | 343.3  | 88.5      |
| 0°-90°    | 388.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 388.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 550 | 550   | 550 | 550   | 550 |      |
| 5°  | 522 | 521   | 520 | 521   | 522 | 47   |
| 15° | 354 | 351   | 346 | 347   | 347 | 98   |
| 25° | 194 | 189   | 180 | 185   | 189 | 90   |
| 35° | 92  | 89    | 86  | 89    | 91  | 59   |
| 45° | 40  | 41    | 42  | 41    | 40  | 32   |
| 55° | 27  | 27    | 27  | 27    | 27  | 25   |
| 65° | 22  | 20    | 19  | 20    | 22  | 22   |
| 75° | 21  | 16    | 13  | 16    | 21  | 22   |
| 85° | 7   | 8     | 4   | 8     | 8   | 8    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 550.2 | 550.2 | 550.2 | 550.2 | 550.2 |
| 1°    | 548.8 | 549.5 | 548.8 | 549.5 | 550.2 |
| 2°    | 545.4 | 546.1 | 545.4 | 545.4 | 546.1 |
| 3°    | 538.6 | 539.3 | 539.3 | 539.3 | 539.9 |
| 4°    | 530.4 | 531.1 | 530.4 | 531.1 | 531.8 |
| 5°    | 521.5 | 520.8 | 520.1 | 520.8 | 521.5 |
| 6°    | 509.2 | 508.5 | 507.9 | 508.5 | 509.2 |
| 7°    | 495.6 | 494.9 | 494.2 | 494.2 | 494.9 |
| 8°    | 478.5 | 479.2 | 477.1 | 478.5 | 479.2 |
| 9°    | 463.5 | 462.1 | 460.8 | 460.8 | 462.1 |
| 10°   | 445.1 | 443.7 | 443.7 | 443.0 | 443.0 |
| 12.5° | 400.0 | 397.3 | 395.2 | 395.2 | 395.9 |
| 15°   | 354.3 | 350.9 | 346.1 | 346.8 | 347.4 |
| 17.5° | 308.5 | 304.4 | 298.3 | 299.7 | 301.0 |
| 20°   | 265.5 | 261.4 | 253.9 | 256.7 | 258.7 |
| 22.5° | 228.7 | 222.5 | 215.7 | 217.8 | 224.6 |
| 25°   | 194.5 | 189.1 | 180.2 | 185.0 | 189.1 |
| 27.5° | 164.5 | 158.4 | 150.9 | 155.6 | 159.7 |
| 30°   | 137.9 | 132.4 | 125.6 | 129.7 | 133.8 |
| 32.5° | 114.0 | 109.2 | 104.4 | 107.2 | 110.6 |
| 35°   | 92.2  | 89.4  | 86.0  | 88.7  | 90.8  |
| 37.5° | 74.4  | 73.0  | 71.7  | 73.0  | 72.4  |
| 40°   | 59.4  | 60.1  | 59.4  | 59.4  | 58.0  |
| 42.5° | 47.1  | 49.1  | 49.8  | 48.5  | 47.1  |
| 45°   | 40.3  | 41.0  | 42.3  | 41.0  | 40.3  |
| 47.5° | 35.5  | 35.5  | 36.2  | 35.5  | 34.8  |
| 50°   | 32.1  | 32.1  | 32.1  | 32.1  | 32.1  |
| 52.5° | 29.4  | 29.4  | 28.7  | 29.4  | 29.4  |
| 55°   | 27.3  | 26.6  | 26.6  | 26.6  | 27.3  |
| 57.5° | 25.9  | 25.3  | 24.6  | 25.3  | 25.9  |
| 60°   | 24.6  | 23.2  | 22.5  | 23.2  | 24.6  |
| 62.5° | 23.2  | 21.8  | 21.2  | 21.8  | 23.2  |
| 65°   | 22.5  | 20.5  | 19.1  | 20.5  | 22.5  |
| 67.5° | 21.8  | 19.1  | 17.7  | 19.1  | 22.5  |
| 70°   | 21.8  | 17.7  | 15.7  | 18.4  | 21.8  |
| 72.5° | 21.2  | 17.1  | 14.3  | 17.1  | 21.2  |
| 75°   | 21.2  | 15.7  | 13.0  | 15.7  | 21.2  |
| 77.5° | 19.8  | 14.3  | 10.9  | 14.3  | 19.8  |
| 80°   | 17.7  | 13.0  | 8.9   | 13.0  | 17.1  |
| 82.5° | 13.0  | 10.9  | 6.8   | 10.9  | 13.0  |
| 85°   | 6.8   | 7.5   | 4.1   | 7.5   | 7.5   |
| 87.5° | 0.7   | 2.7   | 1.4   | 4.1   | 3.4   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)