

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: P1307816

Luminaire Tested: P3SQAS09R209030DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307816  
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: P3SQAS09R209030DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

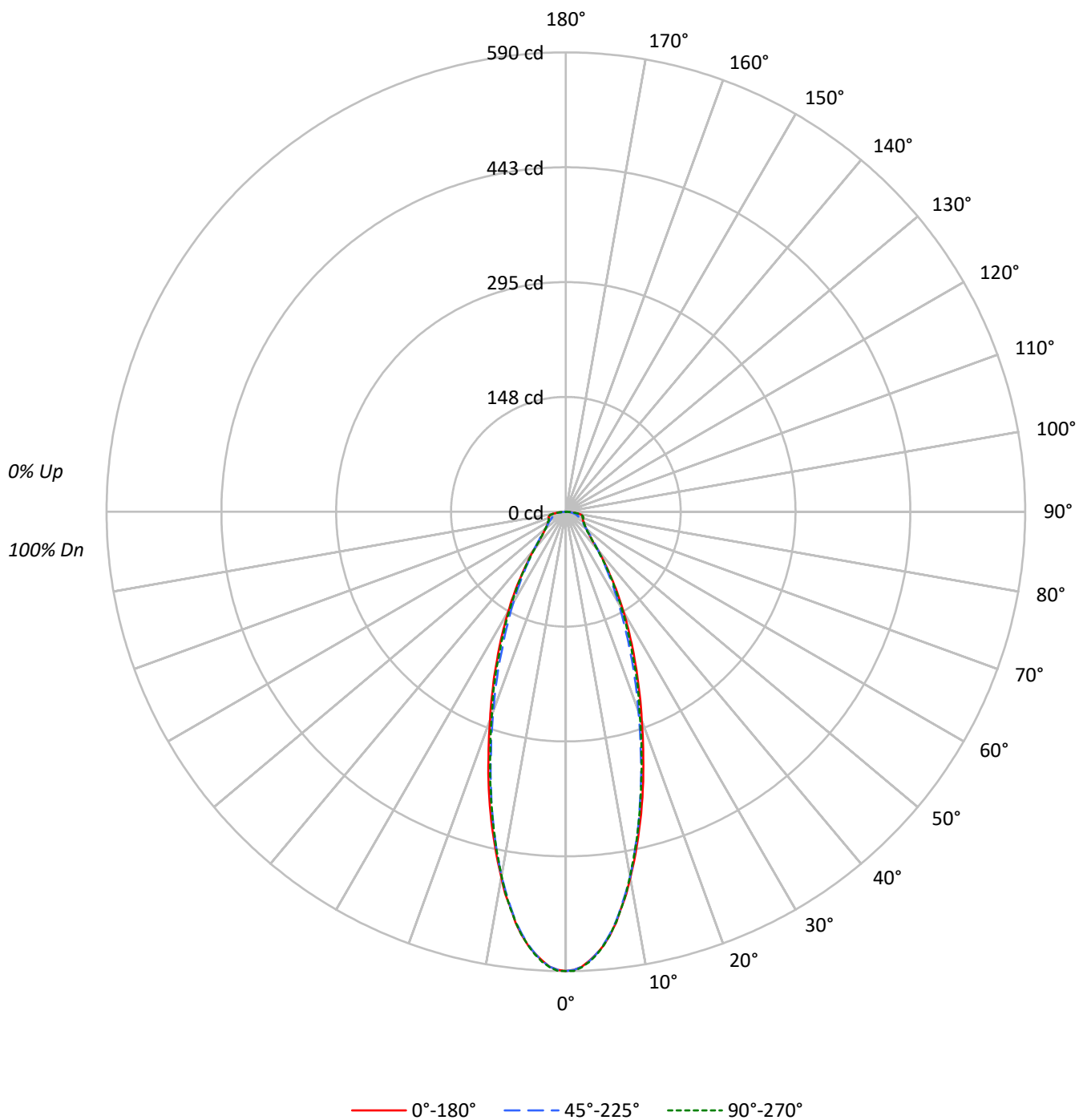
Lumens per Lamp: N/A  
Luminaire Lumens: 416.0 lumens  
Efficiency: N/A  
Efficacy: 37.5 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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°  | 101594 | 101594 | 101594 |
| 5°  | 96657  | 96415  | 96657  |
| 10° | 83452  | 83190  | 83068  |
| 15° | 67718  | 66166  | 66416  |
| 20° | 52179  | 49906  | 50841  |
| 25° | 39640  | 36713  | 38518  |
| 30° | 29392  | 26787  | 28517  |
| 35° | 20772  | 19385  | 20457  |
| 40° | 14321  | 14321  | 13984  |
| 45° | 10522  | 11058  | 10522  |
| 50° | 9217   | 9217   | 9217   |
| 55° | 8798   | 8557   | 8798   |
| 60° | 9059   | 8336   | 9059   |
| 65° | 9862   | 8354   | 9862   |
| 70° | 11783  | 8460   | 11783  |
| 75° | 15105  | 9249   | 15105  |
| 80° | 18844  | 9422   | 18150  |
| 85° | 14425  | 8695   | 16006  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 18844 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.6   | 12.2      |
| 10°-20°   | 103.3  | 24.8      |
| 20°-30°   | 92.3   | 22.2      |
| 30°-40°   | 60.5   | 14.6      |
| 40°-50°   | 35.2   | 8.5       |
| 50°-60°   | 26.1   | 6.3       |
| 60°-70°   | 22.1   | 5.3       |
| 70°-80°   | 18.2   | 4.4       |
| 80°-90°   | 7.6    | 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°    | 246.2  | 59.2      |
| 0°-40°    | 306.8  | 73.7      |
| 0°-60°    | 368.1  | 88.5      |
| 0°-90°    | 416.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 416.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 590 | 590   | 590 | 590   | 590 |      |
| 5°  | 559 | 558   | 558 | 558   | 559 | 51   |
| 15° | 380 | 376   | 371 | 372   | 372 | 105  |
| 25° | 209 | 203   | 193 | 198   | 203 | 96   |
| 35° | 99  | 96    | 92  | 95    | 97  | 63   |
| 45° | 43  | 44    | 45  | 44    | 43  | 35   |
| 55° | 29  | 28    | 28  | 28    | 29  | 27   |
| 65° | 24  | 22    | 20  | 22    | 24  | 24   |
| 75° | 23  | 17    | 14  | 17    | 23  | 23   |
| 85° | 7   | 8     | 4   | 8     | 8   | 9    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 589.9 | 589.9 | 589.9 | 589.9 | 589.9 |
| 1°    | 588.4 | 589.2 | 588.4 | 589.2 | 589.9 |
| 2°    | 584.8 | 585.5 | 584.8 | 584.8 | 585.5 |
| 3°    | 577.4 | 578.2 | 578.2 | 578.2 | 578.9 |
| 4°    | 568.7 | 569.4 | 568.7 | 569.4 | 570.1 |
| 5°    | 559.1 | 558.4 | 557.7 | 558.4 | 559.1 |
| 6°    | 546.0 | 545.2 | 544.5 | 545.2 | 546.0 |
| 7°    | 531.3 | 530.6 | 529.9 | 529.9 | 530.6 |
| 8°    | 513.0 | 513.8 | 511.6 | 513.0 | 513.8 |
| 9°    | 496.9 | 495.5 | 494.0 | 494.0 | 495.5 |
| 10°   | 477.2 | 475.7 | 475.7 | 475.0 | 475.0 |
| 12.5° | 428.9 | 425.9 | 423.8 | 423.8 | 424.5 |
| 15°   | 379.8 | 376.2 | 371.1 | 371.8 | 372.5 |
| 17.5° | 330.8 | 326.4 | 319.8 | 321.3 | 322.8 |
| 20°   | 284.7 | 280.3 | 272.3 | 275.2 | 277.4 |
| 22.5° | 245.2 | 238.6 | 231.3 | 233.5 | 240.8 |
| 25°   | 208.6 | 202.7 | 193.2 | 198.3 | 202.7 |
| 27.5° | 176.4 | 169.8 | 161.7 | 166.9 | 171.3 |
| 30°   | 147.8 | 142.0 | 134.7 | 139.1 | 143.4 |
| 32.5° | 122.2 | 117.1 | 112.0 | 114.9 | 118.6 |
| 35°   | 98.8  | 95.9  | 92.2  | 95.1  | 97.3  |
| 37.5° | 79.8  | 78.3  | 76.8  | 78.3  | 77.6  |
| 40°   | 63.7  | 64.4  | 63.7  | 63.7  | 62.2  |
| 42.5° | 50.5  | 52.7  | 53.4  | 52.0  | 50.5  |
| 45°   | 43.2  | 43.9  | 45.4  | 43.9  | 43.2  |
| 47.5° | 38.1  | 38.1  | 38.8  | 38.1  | 37.3  |
| 50°   | 34.4  | 34.4  | 34.4  | 34.4  | 34.4  |
| 52.5° | 31.5  | 31.5  | 30.7  | 31.5  | 31.5  |
| 55°   | 29.3  | 28.5  | 28.5  | 28.5  | 29.3  |
| 57.5° | 27.8  | 27.1  | 26.3  | 27.1  | 27.8  |
| 60°   | 26.3  | 24.9  | 24.2  | 24.9  | 26.3  |
| 62.5° | 24.9  | 23.4  | 22.7  | 23.4  | 24.9  |
| 65°   | 24.2  | 22.0  | 20.5  | 22.0  | 24.2  |
| 67.5° | 23.4  | 20.5  | 19.0  | 20.5  | 24.2  |
| 70°   | 23.4  | 19.0  | 16.8  | 19.8  | 23.4  |
| 72.5° | 22.7  | 18.3  | 15.4  | 18.3  | 22.7  |
| 75°   | 22.7  | 16.8  | 13.9  | 16.8  | 22.7  |
| 77.5° | 21.2  | 15.4  | 11.7  | 15.4  | 21.2  |
| 80°   | 19.0  | 13.9  | 9.5   | 13.9  | 18.3  |
| 82.5° | 13.9  | 11.7  | 7.3   | 11.7  | 13.9  |
| 85°   | 7.3   | 8.1   | 4.4   | 8.1   | 8.1   |
| 87.5° | 0.7   | 2.9   | 1.5   | 4.4   | 3.7   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)