

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: P1311453

Luminaire Tested: P3SQAS17R209050DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R209050DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

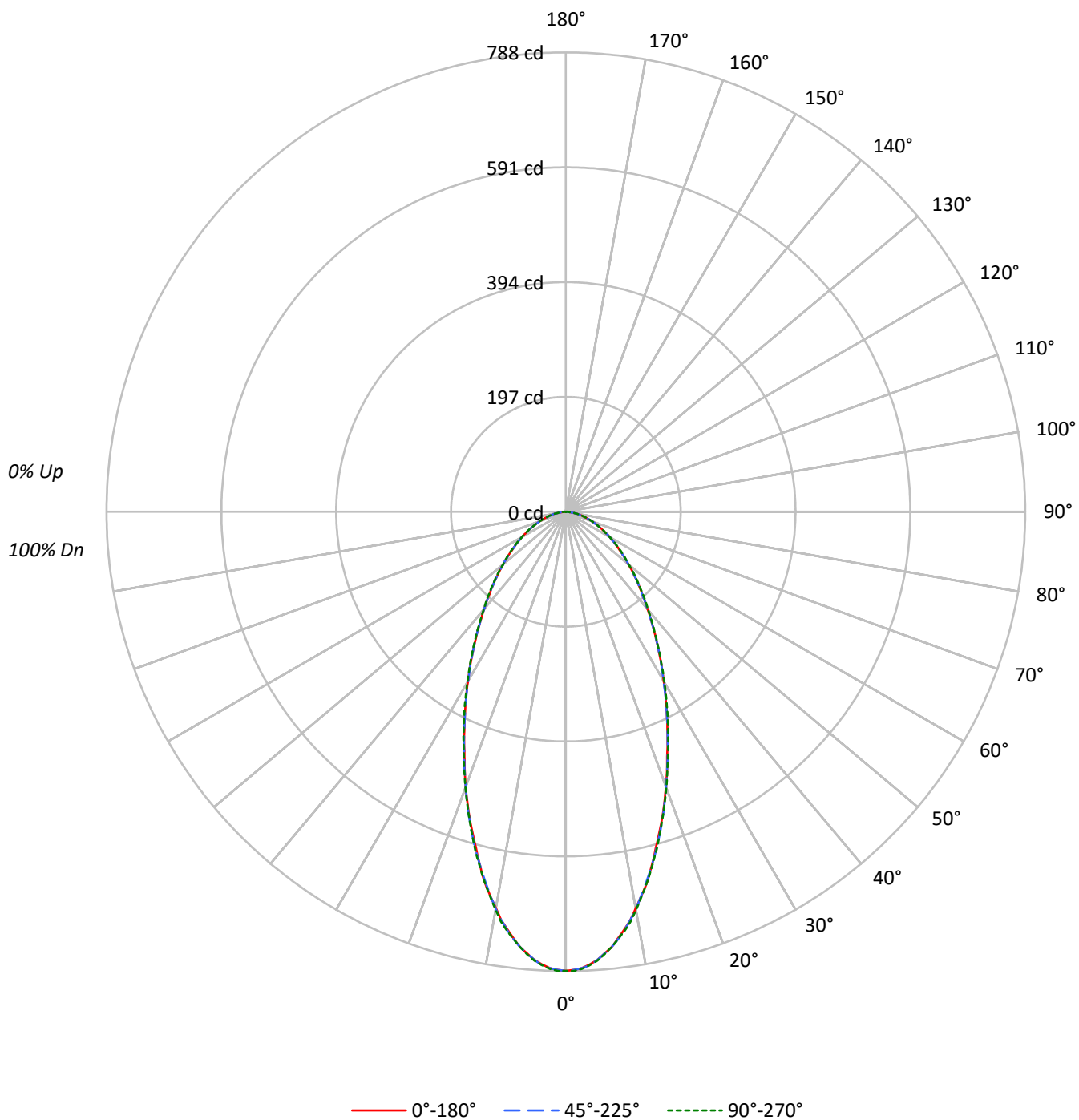
Lumens per Lamp: N/A  
Luminaire Lumens: 942.0 lumens  
Efficiency: N/A  
Efficacy: 44.4 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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 | 104 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 91  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 83  |  | 88  | 84  | 81  |  | 85  |
| 3   | 96  | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  |  | 80  | 75  | 72  |  | 77  |
| 4   | 89  | 79  | 71  | 66  | 87  | 78  | 71  | 65  | 75  | 69  | 65  |  | 73  | 68  | 64  |  | 71  |
| 5   | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 58  | 69  | 63  | 58  |  | 67  | 62  | 57  |  | 65  |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  |  | 62  | 56  | 52  |  | 61  |
| 7   | 73  | 61  | 54  | 48  | 71  | 60  | 53  | 48  | 59  | 53  | 48  |  | 58  | 52  | 48  |  | 56  |
| 8   | 69  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 49  | 44  |  | 54  | 48  | 44  |  | 53  |
| 9   | 65  | 53  | 46  | 41  | 63  | 52  | 46  | 41  | 51  | 45  | 41  |  | 50  | 45  | 40  |  | 49  |
| 10  | 61  | 50  | 43  | 38  | 60  | 49  | 42  | 38  | 48  | 42  | 38  |  | 47  | 42  | 38  |  | 46  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 135643 | 135643 | 135643 |
| 5°  | 131527 | 131527 | 131770 |
| 10° | 120754 | 120999 | 121244 |
| 15° | 106319 | 106818 | 107068 |
| 20° | 92023  | 92023  | 92279  |
| 25° | 78310  | 78310  | 78842  |
| 30° | 66839  | 66560  | 67117  |
| 35° | 57060  | 57060  | 57355  |
| 40° | 49011  | 49011  | 49326  |
| 45° | 42818  | 42818  | 43159  |
| 50° | 37671  | 37671  | 37671  |
| 55° | 33359  | 33359  | 33779  |
| 60° | 30036  | 30036  | 30036  |
| 65° | 26937  | 26937  | 26937  |
| 70° | 24069  | 24069  | 24069  |
| 75° | 21493  | 20561  | 21493  |
| 80° | 18150  | 18150  | 18150  |
| 85° | 11066  | 11066  | 13832  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 43159 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 70.4   | 7.5       |
| 10°-20°   | 166.7  | 17.7      |
| 20°-30°   | 189.9  | 20.2      |
| 30°-40°   | 170.5  | 18.1      |
| 40°-50°   | 136.6  | 14.5      |
| 50°-60°   | 100.4  | 10.7      |
| 60°-70°   | 65.6   | 7.0       |
| 70°-80°   | 34.0   | 3.6       |
| 80°-90°   | 7.9    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 427.0  | 45.3      |
| 0°-40°    | 597.5  | 63.4      |
| 0°-60°    | 834.5  | 88.6      |
| 0°-90°    | 942.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 942.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 788 | 788   | 788 | 788   | 788 |      |
| 5°  | 761 | 761   | 761 | 761   | 762 | 70   |
| 15° | 596 | 596   | 599 | 599   | 600 | 167  |
| 25° | 412 | 412   | 412 | 414   | 415 | 190  |
| 35° | 271 | 271   | 271 | 271   | 273 | 170  |
| 45° | 176 | 176   | 176 | 176   | 177 | 136  |
| 55° | 111 | 111   | 111 | 111   | 112 | 100  |
| 65° | 66  | 65    | 66  | 66    | 66  | 66   |
| 75° | 32  | 31    | 31  | 32    | 32  | 34   |
| 85° | 6   | 6     | 6   | 7     | 7   | 7    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 787.6 | 787.6 | 787.6 | 787.6 | 787.6 |
| 1°    | 786.1 | 784.7 | 786.1 | 786.1 | 787.6 |
| 2°    | 783.3 | 783.3 | 783.3 | 781.9 | 784.7 |
| 3°    | 777.7 | 777.7 | 779.1 | 777.7 | 779.1 |
| 4°    | 770.7 | 770.7 | 770.7 | 769.3 | 772.1 |
| 5°    | 760.8 | 760.8 | 760.8 | 760.8 | 762.2 |
| 6°    | 751.0 | 749.6 | 751.0 | 749.6 | 751.0 |
| 7°    | 736.9 | 736.9 | 738.3 | 736.9 | 738.3 |
| 8°    | 722.9 | 721.5 | 724.3 | 722.9 | 725.7 |
| 9°    | 708.8 | 707.4 | 708.8 | 707.4 | 711.6 |
| 10°   | 690.5 | 691.9 | 691.9 | 691.9 | 693.3 |
| 12.5° | 648.3 | 645.5 | 645.5 | 645.5 | 648.3 |
| 15°   | 596.3 | 596.3 | 599.1 | 599.1 | 600.5 |
| 17.5° | 549.9 | 548.5 | 551.3 | 551.3 | 551.3 |
| 20°   | 502.1 | 500.7 | 502.1 | 502.1 | 503.5 |
| 22.5° | 454.3 | 455.7 | 455.7 | 455.7 | 457.1 |
| 25°   | 412.1 | 412.1 | 412.1 | 413.5 | 414.9 |
| 27.5° | 372.7 | 371.3 | 372.7 | 374.1 | 375.5 |
| 30°   | 336.1 | 334.7 | 334.7 | 336.1 | 337.5 |
| 32.5° | 302.4 | 301.0 | 302.4 | 302.4 | 303.8 |
| 35°   | 271.4 | 271.4 | 271.4 | 271.4 | 272.8 |
| 37.5° | 243.3 | 243.3 | 243.3 | 244.7 | 244.7 |
| 40°   | 218.0 | 218.0 | 218.0 | 219.4 | 219.4 |
| 42.5° | 195.5 | 195.5 | 195.5 | 196.9 | 198.3 |
| 45°   | 175.8 | 175.8 | 175.8 | 175.8 | 177.2 |
| 47.5° | 157.5 | 157.5 | 157.5 | 158.9 | 158.9 |
| 50°   | 140.6 | 139.2 | 140.6 | 142.0 | 140.6 |
| 52.5° | 125.2 | 125.2 | 125.2 | 125.2 | 126.6 |
| 55°   | 111.1 | 111.1 | 111.1 | 111.1 | 112.5 |
| 57.5° | 98.4  | 98.4  | 98.4  | 99.9  | 99.9  |
| 60°   | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  |
| 62.5° | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  |
| 65°   | 66.1  | 64.7  | 66.1  | 66.1  | 66.1  |
| 67.5° | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  |
| 70°   | 47.8  | 47.8  | 47.8  | 47.8  | 47.8  |
| 72.5° | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  |
| 75°   | 32.3  | 30.9  | 30.9  | 32.3  | 32.3  |
| 77.5° | 25.3  | 23.9  | 25.3  | 25.3  | 25.3  |
| 80°   | 18.3  | 18.3  | 18.3  | 18.3  | 18.3  |
| 82.5° | 11.3  | 11.3  | 11.3  | 12.7  | 12.7  |
| 85°   | 5.6   | 5.6   | 5.6   | 7.0   | 7.0   |
| 87.5° | 1.4   | 1.4   | 1.4   | 2.8   | 2.8   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)