

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: P1318278

Luminaire Tested: P3SQAS20R259835D010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318278  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R259835D010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

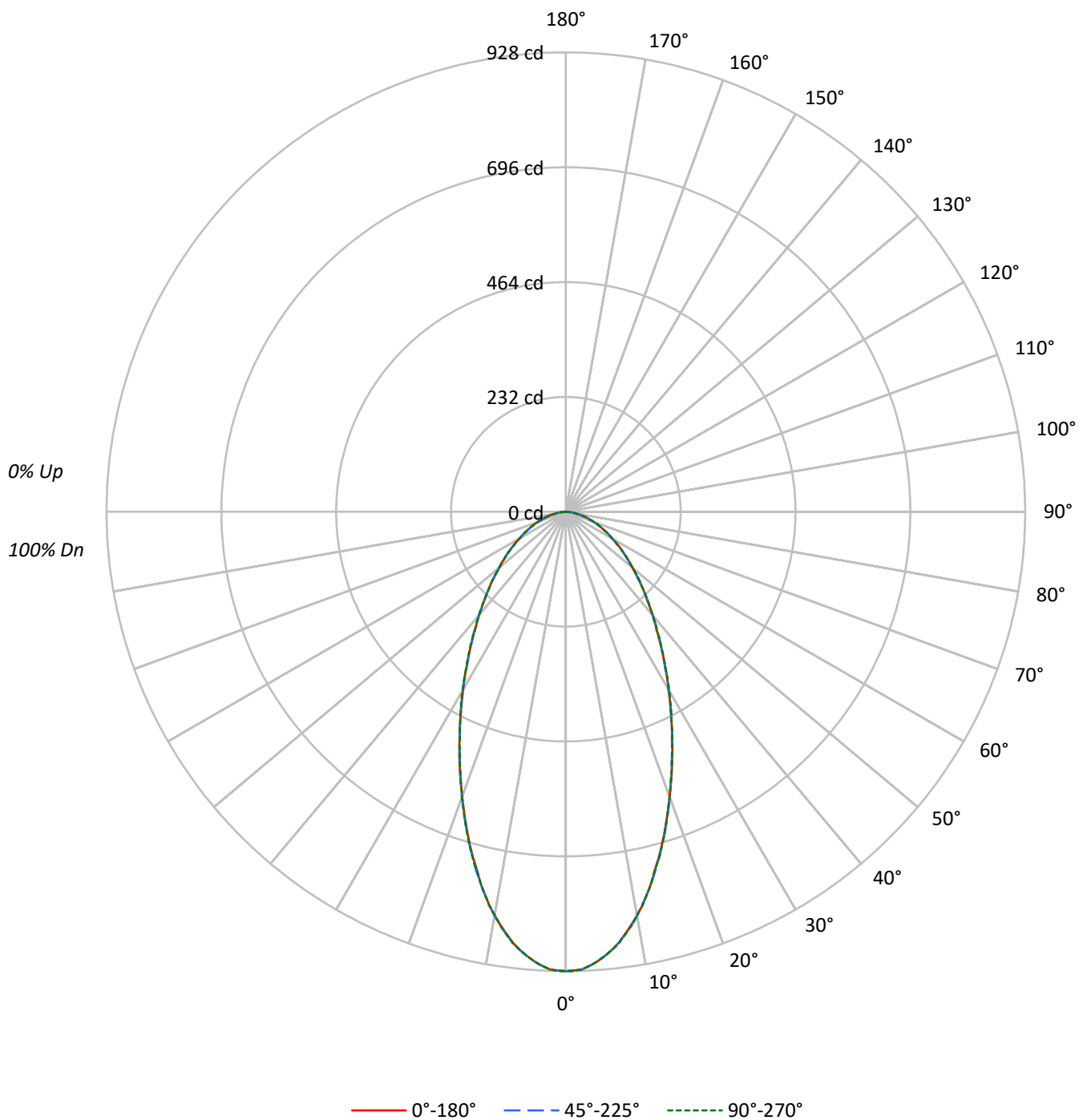
Lumens per Lamp: N/A  
Luminaire Lumens: 1162.0 lumens  
Efficiency: N/A  
Efficacy: 42.4 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 86  | 83  |  | 88  | 84  | 81  |  | 85  |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  |  | 80  | 75  | 71  |  | 77  |
| 4   | 89  | 79  | 71  | 65  | 87  | 77  | 70  | 65  | 75  | 69  | 64  |  | 73  | 68  | 63  |  | 71  |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 64  | 58  | 69  | 62  | 58  |  | 67  | 61  | 57  |  | 65  |
| 6   | 77  | 66  | 58  | 53  | 76  | 65  | 58  | 52  | 63  | 57  | 52  |  | 62  | 56  | 52  |  | 60  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 47  |  | 57  | 51  | 47  |  | 56  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  |  | 53  | 48  | 43  |  | 52  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 42  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 159840 | 159840 | 159840 |
| 5°  | 155765 | 155765 | 155765 |
| 10° | 144748 | 145028 | 144748 |
| 15° | 129088 | 129373 | 129373 |
| 20° | 112238 | 112531 | 112238 |
| 25° | 96667  | 96363  | 96363  |
| 30° | 82450  | 82768  | 83086  |
| 35° | 70747  | 70747  | 71084  |
| 40° | 61309  | 61309  | 61309  |
| 45° | 53607  | 53607  | 53607  |
| 50° | 46995  | 46995  | 47424  |
| 55° | 42127  | 42127  | 42127  |
| 60° | 37338  | 37338  | 37338  |
| 65° | 33783  | 33783  | 33783  |
| 70° | 30515  | 29709  | 30515  |
| 75° | 27615  | 26550  | 26550  |
| 80° | 22117  | 22117  | 22117  |
| 85° | 15808  | 15808  | 15808  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53607 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 83.7   | 7.2       |
| 10°-20°   | 202.0  | 17.4      |
| 20°-30°   | 233.5  | 20.1      |
| 30°-40°   | 211.6  | 18.2      |
| 40°-50°   | 170.6  | 14.7      |
| 50°-60°   | 125.6  | 10.8      |
| 60°-70°   | 82.7   | 7.1       |
| 70°-80°   | 42.7   | 3.7       |
| 80°-90°   | 9.7    | 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°    | 519.2  | 44.7      |
| 0°-40°    | 730.8  | 62.9      |
| 0°-60°    | 1027.0 | 88.4      |
| 0°-90°    | 1162.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1162.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 928 | 928   | 928 | 928   | 928 |      |
| 5°  | 901 | 904   | 901 | 901   | 901 | 84   |
| 15° | 724 | 726   | 726 | 724   | 726 | 202  |
| 25° | 509 | 507   | 507 | 509   | 507 | 234  |
| 35° | 336 | 336   | 336 | 336   | 338 | 211  |
| 45° | 220 | 220   | 220 | 220   | 220 | 171  |
| 55° | 140 | 140   | 140 | 139   | 140 | 126  |
| 65° | 83  | 83    | 83  | 83    | 83  | 83   |
| 75° | 42  | 40    | 40  | 40    | 40  | 43   |
| 85° | 8   | 8     | 8   | 8     | 8   | 10   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 928.1 | 928.1 | 928.1 | 928.1 | 928.1 |
| 1°    | 926.5 | 929.7 | 926.5 | 926.5 | 928.1 |
| 2°    | 924.9 | 926.5 | 924.9 | 924.9 | 924.9 |
| 3°    | 918.6 | 921.8 | 918.6 | 918.6 | 918.6 |
| 4°    | 910.6 | 913.8 | 910.6 | 910.6 | 910.6 |
| 5°    | 901.0 | 904.2 | 901.0 | 901.0 | 901.0 |
| 6°    | 889.9 | 891.5 | 889.9 | 889.9 | 889.9 |
| 7°    | 877.1 | 878.7 | 877.1 | 877.1 | 878.7 |
| 8°    | 861.2 | 862.7 | 862.7 | 861.2 | 861.2 |
| 9°    | 845.2 | 846.8 | 846.8 | 845.2 | 846.8 |
| 10°   | 827.7 | 829.3 | 829.3 | 827.7 | 827.7 |
| 11°   | 810.1 | 811.7 | 808.5 | 808.5 | 810.1 |
| 12°   | 789.4 | 791.0 | 789.4 | 789.4 | 789.4 |
| 13°   | 768.7 | 768.7 | 768.7 | 768.7 | 768.7 |
| 14°   | 744.7 | 747.9 | 747.9 | 746.3 | 744.7 |
| 15°   | 724.0 | 725.6 | 725.6 | 724.0 | 725.6 |
| 17.5° | 668.2 | 671.4 | 669.8 | 669.8 | 669.8 |
| 20°   | 612.4 | 614.0 | 614.0 | 612.4 | 612.4 |
| 22.5° | 559.8 | 558.2 | 558.2 | 558.2 | 558.2 |
| 25°   | 508.7 | 507.1 | 507.1 | 508.7 | 507.1 |
| 27.5° | 459.3 | 460.9 | 460.9 | 459.3 | 460.9 |
| 30°   | 414.6 | 414.6 | 416.2 | 414.6 | 417.8 |
| 32.5° | 374.8 | 374.8 | 373.2 | 374.8 | 374.8 |
| 35°   | 336.5 | 336.5 | 336.5 | 336.5 | 338.1 |
| 37.5° | 301.4 | 303.0 | 304.6 | 304.6 | 303.0 |
| 40°   | 272.7 | 272.7 | 272.7 | 272.7 | 272.7 |
| 42.5° | 244.0 | 244.0 | 245.6 | 245.6 | 245.6 |
| 45°   | 220.1 | 220.1 | 220.1 | 220.1 | 220.1 |
| 47.5° | 197.7 | 197.7 | 196.2 | 196.2 | 197.7 |
| 50°   | 175.4 | 177.0 | 175.4 | 175.4 | 177.0 |
| 52.5° | 157.9 | 156.3 | 156.3 | 157.9 | 157.9 |
| 55°   | 140.3 | 140.3 | 140.3 | 138.7 | 140.3 |
| 57.5° | 124.4 | 124.4 | 122.8 | 122.8 | 122.8 |
| 60°   | 108.4 | 108.4 | 108.4 | 108.4 | 108.4 |
| 62.5° | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  |
| 65°   | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  |
| 67.5° | 71.8  | 71.8  | 71.8  | 71.8  | 70.2  |
| 70°   | 60.6  | 60.6  | 59.0  | 59.0  | 60.6  |
| 72.5° | 49.4  | 49.4  | 49.4  | 49.4  | 49.4  |
| 75°   | 41.5  | 39.9  | 39.9  | 39.9  | 39.9  |
| 77.5° | 31.9  | 31.9  | 30.3  | 31.9  | 30.3  |
| 80°   | 22.3  | 22.3  | 22.3  | 22.3  | 22.3  |
| 82.5° | 15.9  | 14.4  | 14.4  | 14.4  | 14.4  |
| 85°   | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   |
| 87.5° | 1.6   | 1.6   | 1.6   | 1.6   | 3.2   |



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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)