

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: P1313541

Luminaire Tested: P3SQAS17R259730DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313541  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R259730DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

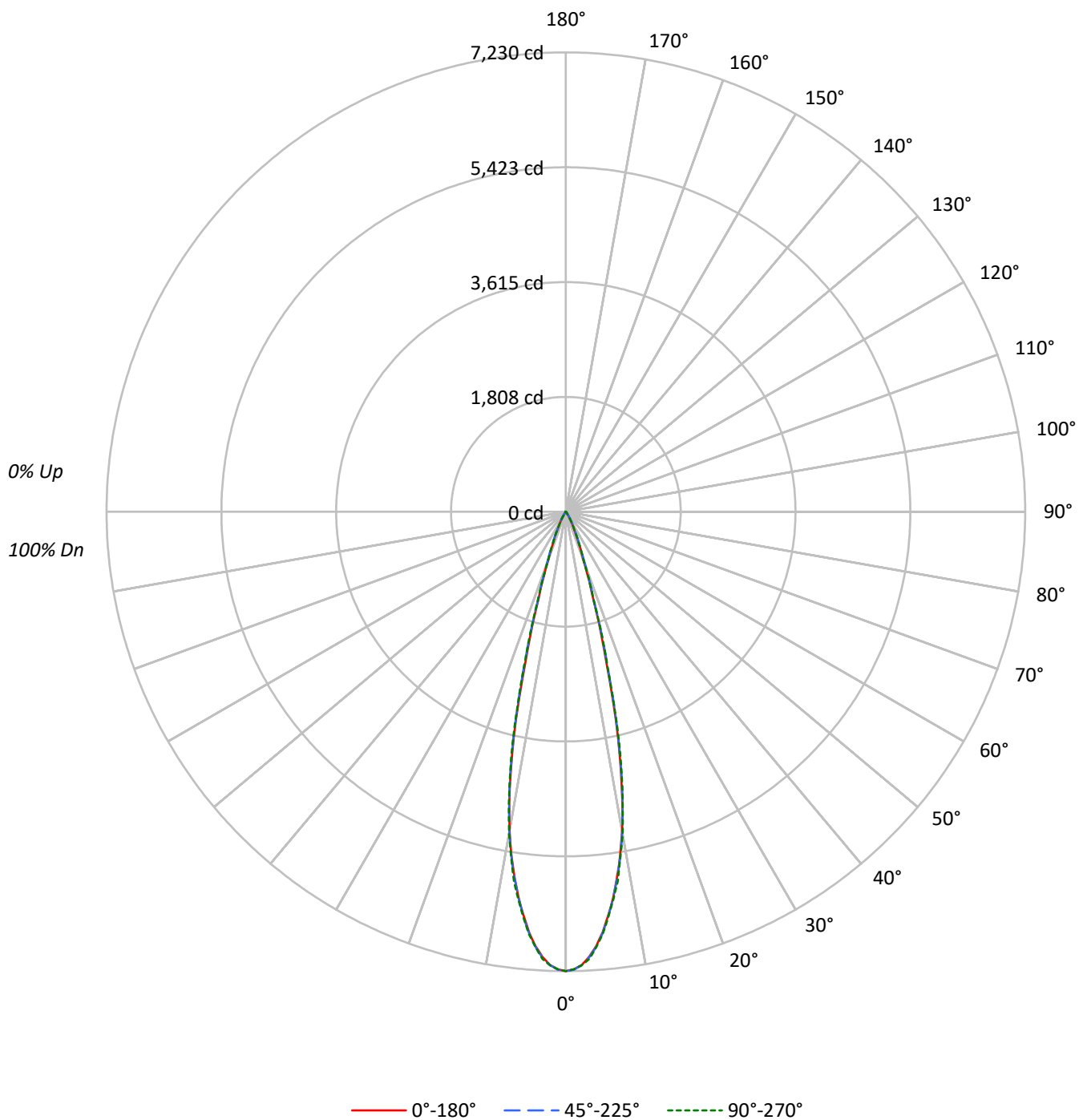
Lumens per Lamp: N/A  
Luminaire Lumens: 1505.0 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  |  | 96  | 93  | 91  |  | 94  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 89  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1245221 | 1245221 | 1245221 |
| 5°  | 1148169 | 1150762 | 1153165 |
| 10° | 891483  | 894701  | 899562  |
| 15° | 440557  | 459082  | 459296  |
| 20° | 148343  | 158295  | 151312  |
| 25° | 61436   | 68239   | 63184   |
| 30° | 24103   | 30307   | 24341   |
| 35° | 6307    | 12383   | 6560    |
| 40° | 2338    | 4924    | 2338    |
| 45° | 292     | 1413    | 292     |
| 50° | 0       | 322     | 0       |
| 55° | 0       | 0       | 0       |
| 60° | 0       | 0       | 0       |
| 65° | 0       | 0       | 0       |
| 70° | 0       | 0       | 0       |
| 75° | 0       | 0       | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1413 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 585.9  | 38.9      |
| 10°-20°   | 708.6  | 47.1      |
| 20°-30°   | 173.0  | 11.5      |
| 30°-40°   | 33.6   | 2.2       |
| 40°-50°   | 3.8    | 0.3       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 1467.5 | 97.5      |
| 0°-40°    | 1501.2 | 99.7      |
| 0°-60°    | 1505.0 | 100.0     |
| 0°-90°    | 1505.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1505.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7230 | 7230  | 7230 | 7230  | 7230 |      |
| 5°  | 6641 | 6651  | 6656 | 6685  | 6670 | 584  |
| 15° | 2471 | 2530  | 2575 | 2600  | 2576 | 696  |
| 25° | 323  | 341   | 359  | 344   | 332  | 164  |
| 35° | 30   | 43    | 59   | 43    | 31   | 27   |
| 45° | 1    | 4     | 6    | 4     | 1    | 2    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 7230.3 | 7230.3 | 7230.3 | 7230.3 | 7230.3 |
| 1°    | 7202.6 | 7207.2 | 7208.3 | 7215.3 | 7201.4 |
| 2°    | 7136.7 | 7137.9 | 7141.4 | 7155.2 | 7142.5 |
| 3°    | 7015.5 | 7023.6 | 7024.7 | 7043.2 | 7046.7 |
| 4°    | 6850.4 | 6855.0 | 6864.2 | 6895.4 | 6867.7 |
| 5°    | 6641.4 | 6650.6 | 6656.4 | 6685.3 | 6670.3 |
| 6°    | 6382.8 | 6385.1 | 6397.8 | 6431.3 | 6410.5 |
| 7°    | 6119.5 | 6118.4 | 6119.5 | 6146.1 | 6140.3 |
| 8°    | 5802.0 | 5796.2 | 5814.7 | 5847.0 | 5869.0 |
| 9°    | 5470.6 | 5478.7 | 5490.2 | 5521.4 | 5496.0 |
| 10°   | 5097.7 | 5119.6 | 5116.1 | 5118.5 | 5143.9 |
| 11°   | 4668.2 | 4675.1 | 4676.2 | 4700.5 | 4697.0 |
| 12°   | 4163.6 | 4163.6 | 4201.7 | 4240.9 | 4228.2 |
| 13°   | 3654.4 | 3690.2 | 3664.8 | 3672.9 | 3723.7 |
| 14°   | 3060.9 | 3088.6 | 3123.3 | 3155.6 | 3130.2 |
| 15°   | 2470.9 | 2529.8 | 2574.8 | 2600.2 | 2576.0 |
| 17.5° | 1415.6 | 1435.2 | 1473.3 | 1477.9 | 1462.9 |
| 20°   | 809.4  | 833.6  | 863.7  | 854.4  | 825.6  |
| 22.5° | 509.2  | 516.1  | 546.1  | 531.1  | 524.2  |
| 25°   | 323.3  | 340.6  | 359.1  | 344.1  | 332.5  |
| 27.5° | 200.9  | 212.5  | 232.1  | 215.9  | 203.2  |
| 30°   | 121.2  | 131.6  | 152.4  | 130.5  | 122.4  |
| 32.5° | 63.5   | 78.5   | 95.8   | 79.7   | 63.5   |
| 35°   | 30.0   | 42.7   | 58.9   | 42.7   | 31.2   |
| 37.5° | 18.5   | 23.1   | 35.8   | 23.1   | 18.5   |
| 40°   | 10.4   | 15.0   | 21.9   | 15.0   | 10.4   |
| 42.5° | 4.6    | 8.1    | 10.4   | 8.1    | 5.8    |
| 45°   | 1.2    | 3.5    | 5.8    | 3.5    | 1.2    |
| 47.5° | 0.0    | 0.0    | 3.5    | 1.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.2    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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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)