

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: P1309577

Luminaire Tested: P3SQAS24R309035D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309577  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R309035D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

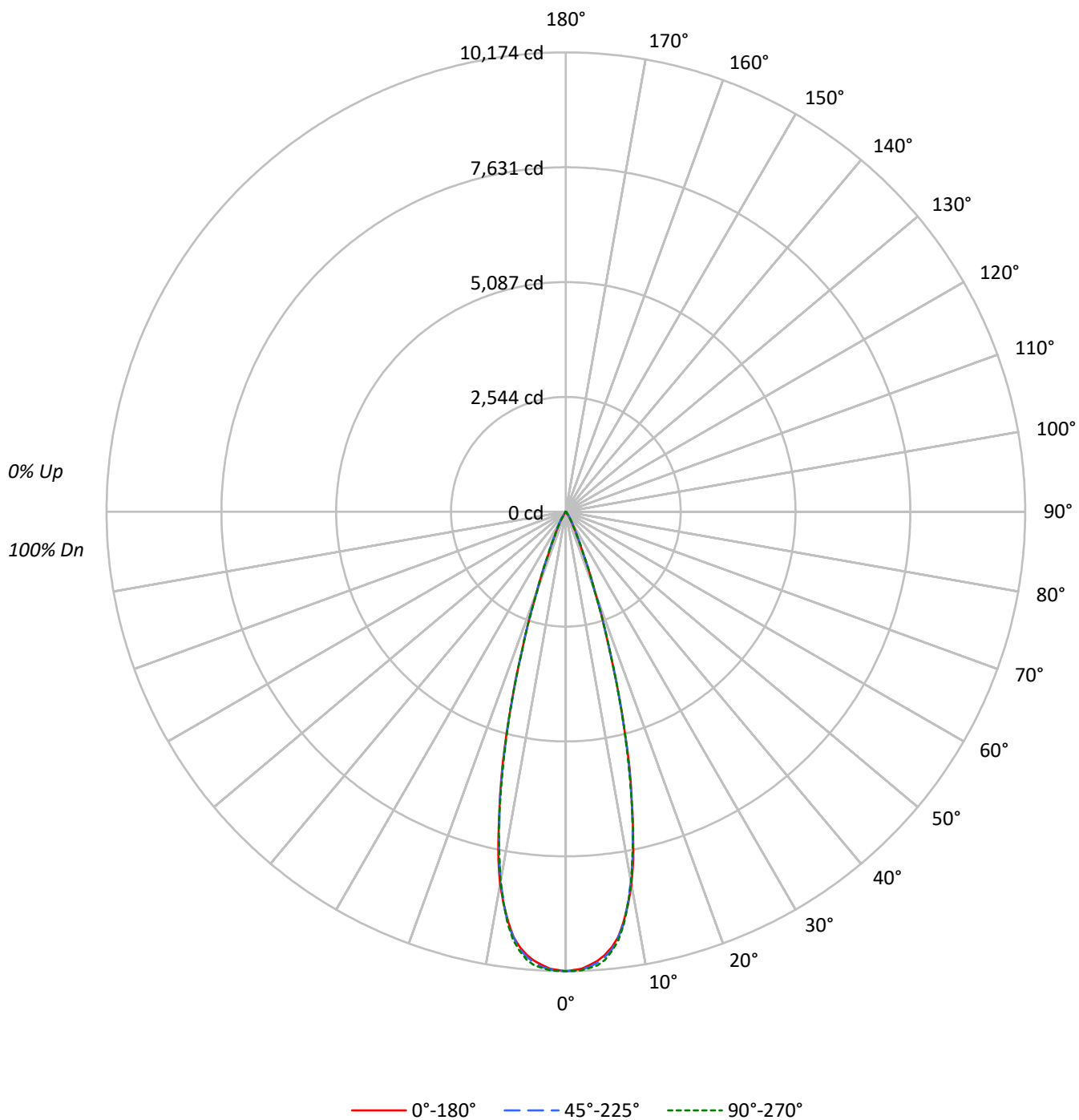
Lumens per Lamp: N/A  
Luminaire Lumens: 2646.0 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96 | 95 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 97  | 95  | 93  | 95  | 93  | 92  | 91  | 90 | 89 |
| 4   | 105 | 99  | 96  | 93  | 103 | 98  | 95  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 87 | 86 |
| 5   | 102 | 96  | 92  | 89  | 100 | 95  | 91  | 89  | 94  | 90  | 88  | 92  | 89  | 87  | 91  | 88  | 86  | 85  | 84 | 83 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 88  | 85  | 91  | 87  | 85  | 90  | 87  | 84  | 88  | 86  | 84  | 83  | 82 | 81 |
| 7   | 96  | 90  | 86  | 83  | 95  | 89  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  | 80 | 79 |
| 8   | 94  | 87  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 80  | 84  | 81  | 79  | 78  | 77 | 76 |
| 9   | 91  | 85  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 76  | 75 | 74 |
| 10  | 89  | 82  | 78  | 76  | 88  | 82  | 78  | 76  | 81  | 78  | 76  | 81  | 78  | 75  | 80  | 77  | 75  | 74  | 73 | 72 |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1752159 | 1752159 | 1752159 |
| 5°  | 1704152 | 1711569 | 1722149 |
| 10° | 1465402 | 1452916 | 1454350 |
| 15° | 900441  | 893148  | 893879  |
| 20° | 342689  | 343440  | 337080  |
| 25° | 108999  | 114814  | 109379  |
| 30° | 43850   | 54390   | 45063   |
| 35° | 14171   | 24031   | 14171   |
| 40° | 6430    | 10544   | 6430    |
| 45° | 2484    | 4481    | 2484    |
| 50° | 1099    | 2197    | 1099    |
| 55° | 1231    | 1231    | 1231    |
| 60° | 1412    | 1412    | 1412    |
| 65° | 815     | 815     | 815     |
| 70° | 1007    | 1007    | 1007    |
| 75° | 1331    | 1331    | 1331    |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4481 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 897.4  | 33.9      |
| 10°-20°   | 1331.3 | 50.3      |
| 20°-30°   | 330.8  | 12.5      |
| 30°-40°   | 66.0   | 2.5       |
| 40°-50°   | 12.0   | 0.5       |
| 50°-60°   | 3.8    | 0.1       |
| 60°-70°   | 2.7    | 0.1       |
| 70°-80°   | 1.8    | 0.1       |
| 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°    | 2559.5 | 96.7      |
| 0°-40°    | 2625.5 | 99.2      |
| 0°-60°    | 2641.4 | 99.8      |
| 0°-90°    | 2646.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2646.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 10174 | 10174 | 10174 | 10174 | 10174 |      |
| 5°  | 9857  | 9890  | 9900  | 9915  | 9962  | 896  |
| 15° | 5050  | 5060  | 5009  | 5026  | 5013  | 1336 |
| 25° | 574   | 586   | 604   | 596   | 576   | 321  |
| 35° | 67    | 88    | 114   | 86    | 67    | 55   |
| 45° | 10    | 12    | 18    | 14    | 10    | 9    |
| 55° | 4     | 4     | 4     | 4     | 4     | 4    |
| 65° | 2     | 2     | 2     | 2     | 2     | 3    |
| 75° | 2     | 2     | 2     | 2     | 2     | 2    |
| 85° | 0     | 0     | 0     | 0     | 0     | 0    |
| 90° | 0     | 0     | 0     | 0     | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 10173.8 | 10173.8 | 10173.8 | 10173.8 | 10173.8 |
| 1°    | 10151.4 | 10163.6 | 10171.8 | 10171.8 | 10171.8 |
| 2°    | 10122.8 | 10131.0 | 10143.2 | 10145.3 | 10161.6 |
| 3°    | 10055.4 | 10073.8 | 10094.2 | 10106.5 | 10114.6 |
| 4°    | 9973.8  | 9998.3  | 10010.5 | 10041.1 | 10067.7 |
| 5°    | 9857.4  | 9890.1  | 9900.3  | 9914.6  | 9961.5  |
| 6°    | 9700.3  | 9724.7  | 9745.2  | 9751.3  | 9779.9  |
| 7°    | 9492.0  | 9504.3  | 9500.2  | 9510.4  | 9561.4  |
| 8°    | 9175.6  | 9179.7  | 9214.4  | 9192.0  | 9226.7  |
| 9°    | 8800.0  | 8783.7  | 8775.5  | 8791.9  | 8793.9  |
| 10°   | 8379.5  | 8324.4  | 8308.1  | 8293.8  | 8316.3  |
| 11°   | 7834.5  | 7763.1  | 7769.2  | 7765.1  | 7732.4  |
| 12°   | 7156.8  | 7148.6  | 7095.6  | 7105.8  | 7154.8  |
| 13°   | 6464.8  | 6479.1  | 6468.9  | 6481.1  | 6426.0  |
| 14°   | 5815.7  | 5746.3  | 5764.6  | 5695.2  | 5721.8  |
| 15°   | 5050.2  | 5060.4  | 5009.3  | 5025.7  | 5013.4  |
| 17.5° | 3233.4  | 3255.9  | 3239.5  | 3225.3  | 3247.7  |
| 20°   | 1869.8  | 1867.8  | 1873.9  | 1855.5  | 1839.2  |
| 22.5° | 983.9   | 998.2   | 1016.6  | 1018.6  | 1030.9  |
| 25°   | 573.6   | 585.9   | 604.2   | 596.1   | 575.6   |
| 27.5° | 351.1   | 373.6   | 402.1   | 381.7   | 357.2   |
| 30°   | 220.5   | 238.8   | 273.5   | 240.9   | 226.6   |
| 32.5° | 124.5   | 151.1   | 179.6   | 151.1   | 124.5   |
| 35°   | 67.4    | 87.8    | 114.3   | 85.7    | 67.4    |
| 37.5° | 44.9    | 51.0    | 75.5    | 51.0    | 44.9    |
| 40°   | 28.6    | 34.7    | 46.9    | 34.7    | 28.6    |
| 42.5° | 16.3    | 22.5    | 26.5    | 22.5    | 16.3    |
| 45°   | 10.2    | 12.2    | 18.4    | 14.3    | 10.2    |
| 47.5° | 4.1     | 6.1     | 12.2    | 6.1     | 6.1     |
| 50°   | 4.1     | 4.1     | 8.2     | 4.1     | 4.1     |
| 52.5° | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 55°   | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 57.5° | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 60°   | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 62.5° | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 65°   | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     |
| 67.5° | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     |
| 70°   | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     |
| 72.5° | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     |
| 75°   | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     |
| 77.5° | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     |
| 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)