

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: P1308209

Luminaire Tested: P3SQAS17R459030DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308209  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R459030DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

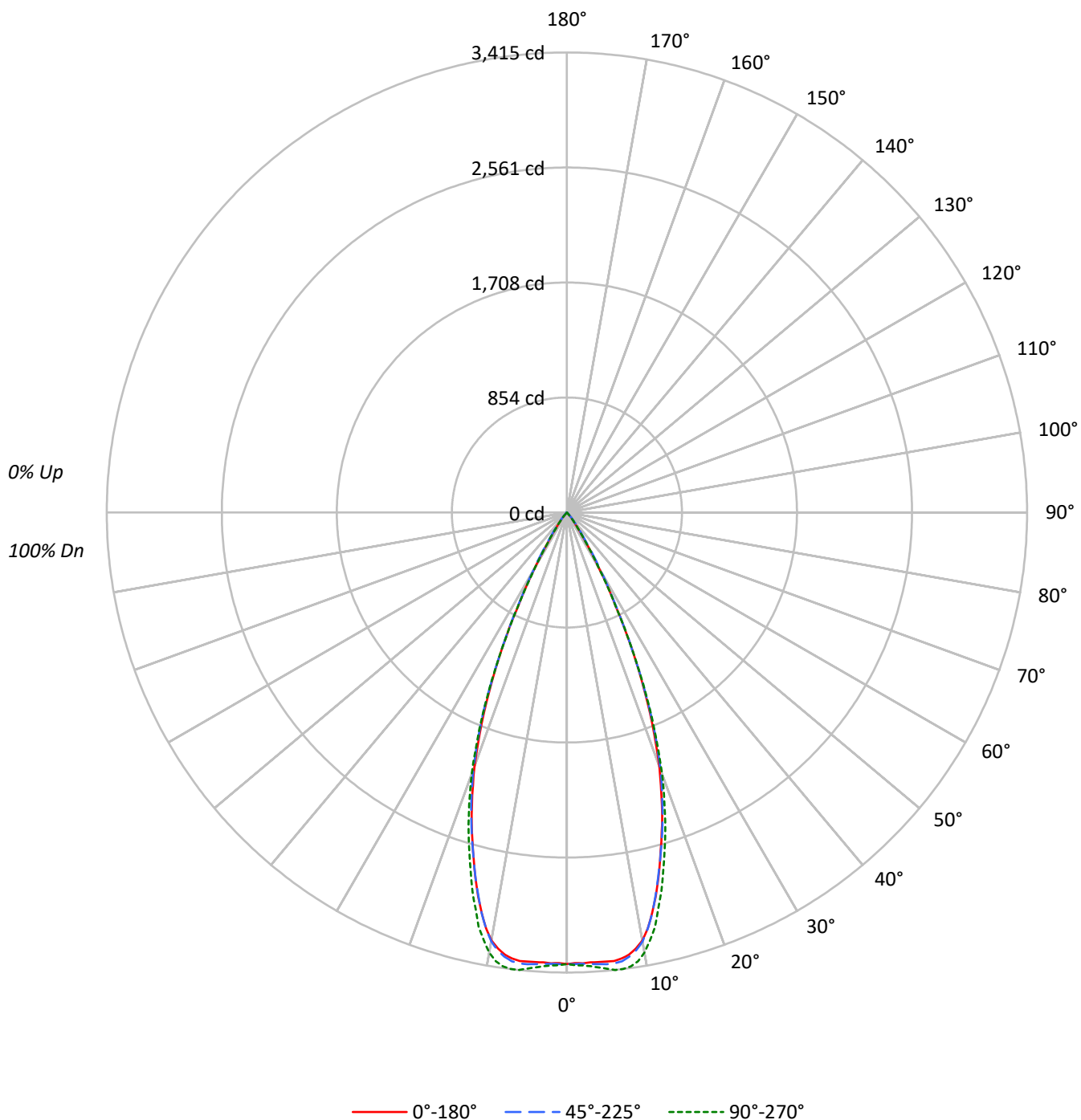
Lumens per Lamp: N/A  
Luminaire Lumens: 1733.0 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 96  |  | 98  | 96  | 94  |  | 95  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 97  | 93  | 91  |  | 94  | 92  | 89  |  | 92  |
| 4   | 102 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 89  | 86  |  | 90  | 87  | 85  |  | 89  |
| 5   | 98  | 91  | 86  | 83  | 96  | 90  | 86  | 82  | 88  | 85  | 82  |  | 87  | 83  | 81  |  | 85  |
| 6   | 94  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 77  |  | 82  |
| 7   | 91  | 83  | 78  | 75  | 89  | 82  | 78  | 74  | 81  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |
| 8   | 87  | 79  | 75  | 71  | 86  | 79  | 74  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  |
| 9   | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 70  | 68  |  | 73  |
| 10  | 81  | 73  | 68  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 577273 | 577273 | 577273 |
| 5°  | 578596 | 581933 | 587725 |
| 10° | 564109 | 565228 | 580093 |
| 15° | 475913 | 476145 | 491764 |
| 20° | 367376 | 372562 | 378702 |
| 25° | 227899 | 228146 | 229609 |
| 30° | 94024  | 99910  | 92472  |
| 35° | 29245  | 35742  | 28173  |
| 40° | 8970   | 12455  | 8408   |
| 45° | 633    | 4701   | 633    |
| 50° | 0      | 697    | 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: 4701 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 319.0  | 18.4      |
| 10°-20°   | 741.8  | 42.8      |
| 20°-30°   | 544.1  | 31.4      |
| 30°-40°   | 116.9  | 6.7       |
| 40°-50°   | 11.1   | 0.6       |
| 50°-60°   | 0.1    | 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°    | 1604.9 | 92.6      |
| 0°-40°    | 1721.8 | 99.4      |
| 0°-60°    | 1733.0 | 100.0     |
| 0°-90°    | 1733.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1733.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3352 | 3352  | 3352 | 3352  | 3352 |      |
| 5°  | 3347 | 3356  | 3366 | 3389  | 3400 | 317  |
| 15° | 2669 | 2664  | 2670 | 2713  | 2758 | 735  |
| 25° | 1199 | 1196  | 1201 | 1201  | 1208 | 538  |
| 35° | 139  | 149   | 170  | 146   | 134  | 110  |
| 45° | 3    | 8     | 19   | 8     | 3    | 6    |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3351.9 | 3351.9 | 3351.9 | 3351.9 | 3351.9 |
| 1°    | 3345.5 | 3353.2 | 3353.2 | 3358.4 | 3360.9 |
| 2°    | 3348.1 | 3353.2 | 3351.9 | 3360.9 | 3364.8 |
| 3°    | 3344.2 | 3353.2 | 3355.8 | 3366.1 | 3372.5 |
| 4°    | 3345.5 | 3353.2 | 3360.9 | 3376.4 | 3385.4 |
| 5°    | 3346.8 | 3355.8 | 3366.1 | 3389.3 | 3399.6 |
| 6°    | 3348.1 | 3354.5 | 3366.1 | 3395.7 | 3415.0 |
| 7°    | 3335.2 | 3344.2 | 3357.1 | 3394.4 | 3415.0 |
| 8°    | 3314.6 | 3319.7 | 3330.0 | 3379.0 | 3403.5 |
| 9°    | 3275.9 | 3274.6 | 3290.1 | 3344.2 | 3372.5 |
| 10°   | 3225.7 | 3210.2 | 3232.1 | 3286.2 | 3317.1 |
| 11°   | 3144.5 | 3127.8 | 3147.1 | 3205.1 | 3234.7 |
| 12°   | 3038.9 | 3038.9 | 3042.8 | 3094.3 | 3145.8 |
| 13°   | 2926.8 | 2913.9 | 2921.7 | 2979.6 | 3015.7 |
| 14°   | 2803.1 | 2790.3 | 2798.0 | 2841.8 | 2898.5 |
| 15°   | 2669.2 | 2664.0 | 2670.5 | 2713.0 | 2758.1 |
| 17.5° | 2351.0 | 2339.4 | 2362.6 | 2405.1 | 2428.3 |
| 20°   | 2004.5 | 2023.8 | 2032.8 | 2059.8 | 2066.3 |
| 22.5° | 1606.4 | 1627.0 | 1639.9 | 1643.8 | 1647.6 |
| 25°   | 1199.3 | 1195.5 | 1200.6 | 1200.6 | 1208.3 |
| 27.5° | 788.4  | 788.4  | 802.6  | 793.5  | 784.5  |
| 30°   | 472.8  | 492.1  | 502.4  | 485.7  | 465.0  |
| 32.5° | 257.6  | 277.0  | 293.7  | 269.2  | 251.2  |
| 35°   | 139.1  | 149.4  | 170.0  | 145.6  | 134.0  |
| 37.5° | 76.0   | 85.0   | 97.9   | 82.4   | 76.0   |
| 40°   | 39.9   | 49.0   | 55.4   | 49.0   | 37.4   |
| 42.5° | 12.9   | 24.5   | 32.2   | 24.5   | 11.6   |
| 45°   | 2.6    | 7.7    | 19.3   | 7.7    | 2.6    |
| 47.5° | 0.0    | 1.3    | 9.0    | 1.3    | 0.0    |
| 50°   | 0.0    | 0.0    | 2.6    | 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)