

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: P1313432

Luminaire Tested: P3SQAS13R359730DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359730DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

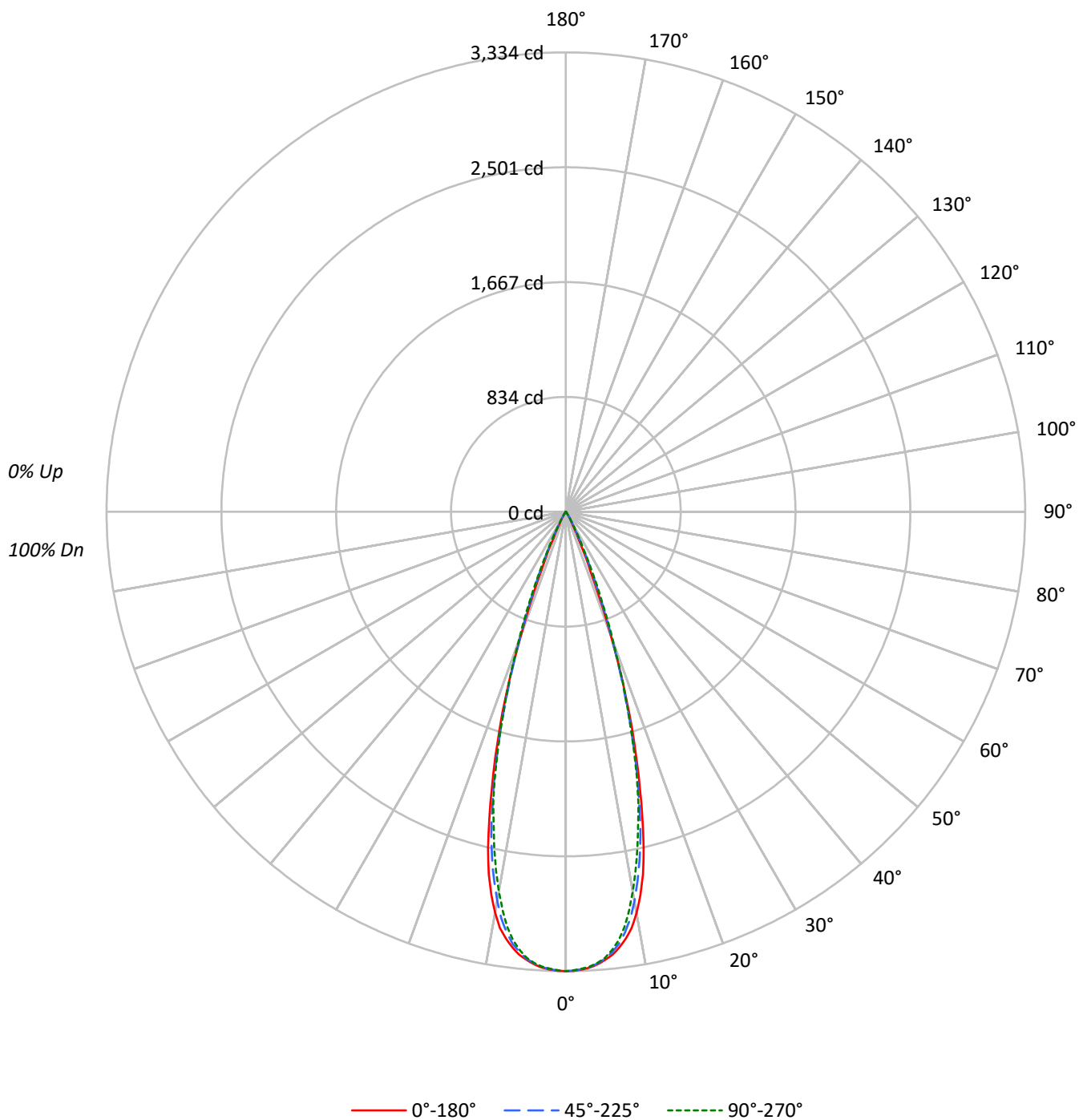
Lumens per Lamp: N/A  
Luminaire Lumens: 1012.0 lumens  
Efficiency: N/A  
Efficacy: 69.3 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  |  | 100 | 98  | 97  |  | 97  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  |  | 97  | 95  | 93  |  | 95  |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  |  | 92  | 89  | 87  |  | 90  |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  |  | 89  | 86  | 84  |  | 88  |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  |  | 84  | 81  | 79  |  | 83  |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  |  | 82  | 79  | 76  |  | 81  |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 574225 | 574225 | 574225 |
| 5°  | 564368 | 563158 | 561948 |
| 10° | 517223 | 501677 | 489488 |
| 15° | 370361 | 358557 | 354207 |
| 20° | 171747 | 177649 | 183880 |
| 25° | 40742  | 57977  | 60466  |
| 30° | 11952  | 13702  | 15432  |
| 35° | 2754   | 4394   | 4037   |
| 40° | 585    | 1169   | 787    |
| 45° | 219    | 219    | 219    |
| 50° | 241    | 0      | 241    |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 255 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 299.3  | 29.6      |
| 10°-20°   | 535.1  | 52.9      |
| 20°-30°   | 161.0  | 15.9      |
| 30°-40°   | 15.4   | 1.5       |
| 40°-50°   | 1.1    | 0.1       |
| 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°    | 995.5  | 98.4      |
| 0°-40°    | 1010.9 | 99.9      |
| 0°-60°    | 1012.0 | 100.0     |
| 0°-90°    | 1012.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1012.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3334 | 3334  | 3334 | 3334  | 3334 |      |
| 5°  | 3264 | 3264  | 3258 | 3253  | 3250 | 303  |
| 15° | 2077 | 2062  | 2011 | 2002  | 1987 | 549  |
| 25° | 214  | 236   | 305  | 318   | 318  | 138  |
| 35° | 13   | 17    | 21   | 23    | 19   | 12   |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 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°    | 3334.2 | 3334.2 | 3334.2 | 3334.2 | 3334.2 |
| 1°    | 3332.4 | 3332.4 | 3330.7 | 3330.7 | 3327.2 |
| 2°    | 3324.6 | 3325.5 | 3322.0 | 3321.1 | 3318.5 |
| 3°    | 3312.4 | 3309.8 | 3309.8 | 3308.0 | 3306.3 |
| 4°    | 3293.2 | 3288.0 | 3286.2 | 3287.1 | 3283.6 |
| 5°    | 3264.5 | 3263.6 | 3257.5 | 3253.1 | 3250.5 |
| 6°    | 3233.1 | 3227.0 | 3213.9 | 3202.6 | 3200.0 |
| 7°    | 3186.0 | 3172.9 | 3161.6 | 3138.1 | 3134.6 |
| 8°    | 3128.5 | 3107.6 | 3083.1 | 3050.0 | 3048.3 |
| 9°    | 3057.9 | 3023.9 | 2989.9 | 2945.4 | 2929.7 |
| 10°   | 2957.6 | 2926.2 | 2868.7 | 2829.5 | 2799.0 |
| 11°   | 2833.0 | 2793.7 | 2726.6 | 2679.6 | 2654.3 |
| 12°   | 2691.8 | 2655.1 | 2576.7 | 2534.0 | 2498.2 |
| 13°   | 2510.4 | 2479.9 | 2406.7 | 2359.6 | 2331.8 |
| 14°   | 2300.4 | 2277.7 | 2208.0 | 2187.1 | 2177.5 |
| 15°   | 2077.2 | 2061.5 | 2011.0 | 2002.3 | 1986.6 |
| 17.5° | 1528.9 | 1502.8 | 1474.0 | 1479.2 | 1484.5 |
| 20°   | 937.1  | 973.7  | 969.3  | 988.5  | 1003.3 |
| 22.5° | 467.2  | 514.3  | 569.2  | 602.3  | 618.9  |
| 25°   | 214.4  | 236.2  | 305.1  | 318.2  | 318.2  |
| 27.5° | 108.1  | 113.3  | 143.8  | 146.4  | 153.4  |
| 30°   | 60.1   | 64.5   | 68.9   | 76.7   | 77.6   |
| 32.5° | 30.5   | 35.7   | 37.5   | 41.8   | 40.1   |
| 35°   | 13.1   | 17.4   | 20.9   | 22.7   | 19.2   |
| 37.5° | 6.1    | 7.8    | 11.3   | 10.5   | 7.8    |
| 40°   | 2.6    | 3.5    | 5.2    | 4.4    | 3.5    |
| 42.5° | 1.7    | 1.7    | 2.6    | 1.7    | 1.7    |
| 45°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 47.5° | 0.9    | 0.9    | 0.0    | 0.9    | 0.9    |
| 50°   | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 52.5° | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 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)