

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: P1312120

Luminaire Tested: P3SQAS05R309727DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R309727DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

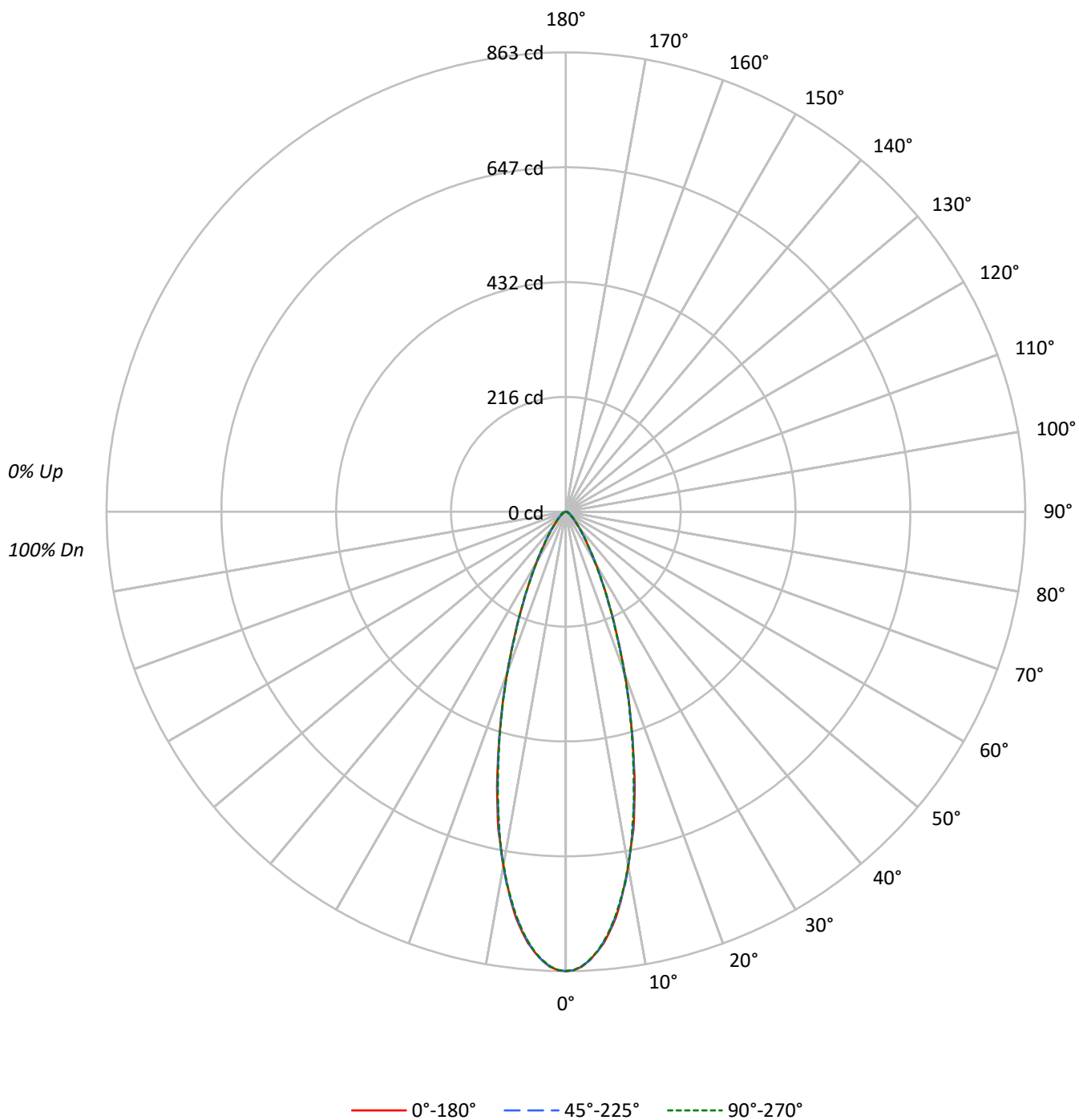
Lumens per Lamp: N/A  
Luminaire Lumens: 379.0 lumens  
Efficiency: N/A  
Efficacy: 52.6 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 |  | 101 | 100 | 98  |  | 98  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  |  | 91  | 88  | 85  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 84  | 81  |  | 87  | 83  | 80  |  | 85  |
| 5   | 95  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  |  | 82  | 79  | 76  |  | 81  |
| 6   | 90  | 82  | 77  | 73  | 89  | 82  | 76  | 73  | 80  | 76  | 72  |  | 79  | 75  | 72  |  | 77  |
| 7   | 87  | 78  | 73  | 69  | 86  | 78  | 72  | 69  | 76  | 72  | 68  |  | 75  | 71  | 68  |  | 74  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |
| 10  | 77  | 68  | 63  | 60  | 76  | 68  | 63  | 60  | 67  | 63  | 59  |  | 66  | 62  | 59  |  | 66  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 148628 | 148628 | 148628 |
| 5°  | 140707 | 140344 | 140275 |
| 10° | 118219 | 118219 | 117764 |
| 15° | 88079  | 87847  | 87330  |
| 20° | 58941  | 58630  | 58721  |
| 25° | 36333  | 36257  | 36409  |
| 30° | 21855  | 21855  | 21935  |
| 35° | 13393  | 13393  | 13498  |
| 40° | 8476   | 8476   | 8678   |
| 45° | 5821   | 5918   | 5918   |
| 50° | 4260   | 4260   | 4260   |
| 55° | 3273   | 3393   | 3393   |
| 60° | 2756   | 2756   | 2893   |
| 65° | 2404   | 2404   | 2404   |
| 70° | 2115   | 2316   | 2316   |
| 75° | 1930   | 1930   | 1930   |
| 80° | 1686   | 1686   | 1686   |
| 85° | 790    | 790    | 790    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5918 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 73.2   | 19.3      |
| 10°-20°   | 135.1  | 35.6      |
| 20°-30°   | 89.8   | 23.7      |
| 30°-40°   | 41.5   | 11.0      |
| 40°-50°   | 19.3   | 5.1       |
| 50°-60°   | 10.3   | 2.7       |
| 60°-70°   | 6.0    | 1.6       |
| 70°-80°   | 3.2    | 0.8       |
| 80°-90°   | 0.7    | 0.2       |
| 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°    | 298.0  | 78.6      |
| 0°-40°    | 339.5  | 89.6      |
| 0°-60°    | 369.1  | 97.4      |
| 0°-90°    | 379.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 379.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 863 | 863   | 863 | 863   | 863 |      |
| 5°  | 814 | 812   | 812 | 814   | 811 | 73   |
| 15° | 494 | 496   | 493 | 493   | 490 | 136  |
| 25° | 191 | 191   | 191 | 191   | 192 | 90   |
| 35° | 64  | 63    | 64  | 64    | 64  | 41   |
| 45° | 24  | 24    | 24  | 24    | 24  | 19   |
| 55° | 11  | 11    | 11  | 11    | 11  | 10   |
| 65° | 6   | 6     | 6   | 6     | 6   | 6    |
| 75° | 3   | 3     | 3   | 3     | 3   | 3    |
| 85° | 0   | 0     | 0   | 0     | 0   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 863.0 | 863.0 | 863.0 | 863.0 | 863.0 |
| 1°    | 861.3 | 860.5 | 861.3 | 862.6 | 860.9 |
| 2°    | 855.4 | 854.6 | 854.6 | 856.3 | 854.6 |
| 3°    | 844.1 | 845.0 | 844.5 | 846.2 | 843.3 |
| 4°    | 829.9 | 829.4 | 831.1 | 832.0 | 829.4 |
| 5°    | 813.9 | 812.2 | 811.8 | 813.9 | 811.4 |
| 6°    | 792.1 | 790.9 | 790.0 | 792.5 | 789.2 |
| 7°    | 768.6 | 767.8 | 766.5 | 767.4 | 764.9 |
| 8°    | 739.7 | 739.3 | 738.4 | 739.3 | 736.3 |
| 9°    | 707.4 | 707.4 | 709.1 | 708.7 | 707.0 |
| 10°   | 676.0 | 676.8 | 676.0 | 676.8 | 673.4 |
| 11°   | 640.7 | 640.7 | 641.6 | 641.2 | 641.6 |
| 12°   | 610.1 | 606.8 | 605.9 | 605.1 | 602.6 |
| 13°   | 570.7 | 568.2 | 567.4 | 568.2 | 566.9 |
| 14°   | 534.6 | 533.0 | 528.8 | 529.6 | 527.9 |
| 15°   | 494.0 | 495.6 | 492.7 | 492.7 | 489.8 |
| 17.5° | 403.8 | 402.1 | 403.0 | 403.4 | 402.1 |
| 20°   | 321.6 | 320.8 | 319.9 | 319.1 | 320.4 |
| 22.5° | 249.9 | 250.3 | 249.5 | 248.7 | 247.8 |
| 25°   | 191.2 | 190.8 | 190.8 | 190.8 | 191.6 |
| 27.5° | 145.1 | 145.1 | 145.1 | 145.5 | 145.5 |
| 30°   | 109.9 | 109.0 | 109.9 | 110.3 | 110.3 |
| 32.5° | 82.2  | 83.0  | 83.4  | 83.4  | 83.4  |
| 35°   | 63.7  | 63.3  | 63.7  | 64.2  | 64.2  |
| 37.5° | 48.6  | 48.6  | 49.1  | 49.1  | 49.5  |
| 40°   | 37.7  | 37.7  | 37.7  | 38.2  | 38.6  |
| 42.5° | 29.8  | 29.8  | 30.2  | 30.2  | 30.6  |
| 45°   | 23.9  | 23.9  | 24.3  | 24.3  | 24.3  |
| 47.5° | 19.3  | 19.3  | 19.7  | 19.7  | 19.7  |
| 50°   | 15.9  | 15.9  | 15.9  | 15.9  | 15.9  |
| 52.5° | 13.4  | 13.0  | 13.4  | 13.4  | 13.4  |
| 55°   | 10.9  | 11.3  | 11.3  | 11.3  | 11.3  |
| 57.5° | 9.2   | 9.6   | 9.6   | 9.6   | 9.6   |
| 60°   | 8.0   | 8.0   | 8.0   | 8.4   | 8.4   |
| 62.5° | 6.7   | 7.1   | 7.1   | 7.1   | 7.1   |
| 65°   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 67.5° | 5.0   | 5.0   | 5.0   | 5.0   | 5.5   |
| 70°   | 4.2   | 4.2   | 4.6   | 4.6   | 4.6   |
| 72.5° | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   |
| 75°   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   |
| 77.5° | 2.1   | 2.1   | 2.5   | 2.5   | 2.1   |
| 80°   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   |
| 82.5° | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 85°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 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)