

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: P1315091

Luminaire Tested: P3SQAS05R559740DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R559740DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

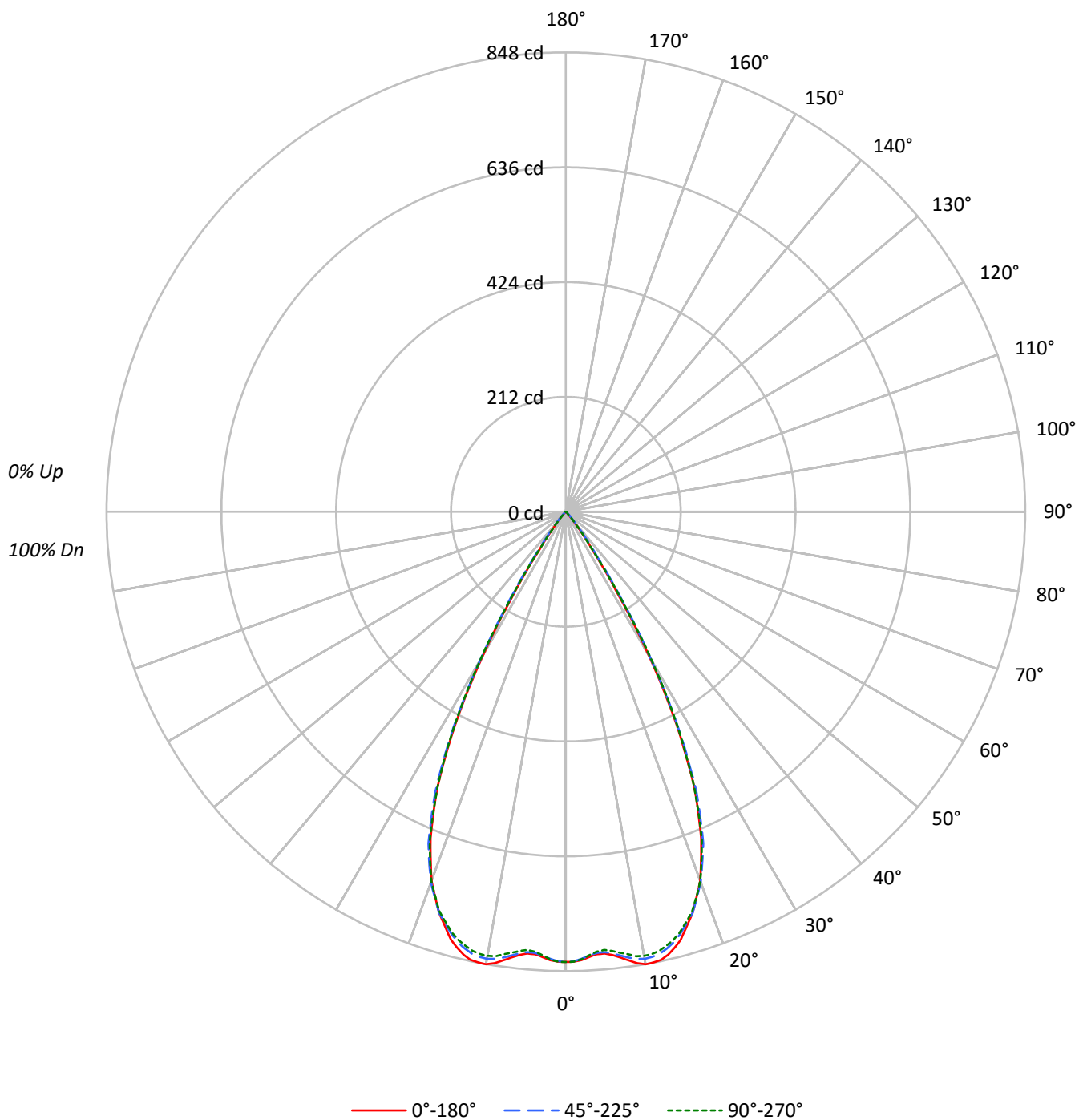
Lumens per Lamp: N/A  
Luminaire Lumens: 632.0 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  |  | 92  | 90  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  |  | 80  | 76  | 73  |  | 79  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 65  |  | 72  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  |  | 69  | 65  | 62  |  | 69  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  |  | 66  | 62  | 59  |  | 66  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 143169 | 143169 | 143169 |
| 5°  | 141537 | 141122 | 140362 |
| 10° | 148350 | 146566 | 145552 |
| 15° | 145883 | 144332 | 143797 |
| 20° | 132875 | 133406 | 132966 |
| 25° | 106605 | 108258 | 106605 |
| 30° | 61191  | 62722  | 63219  |
| 35° | 17450  | 21025  | 17955  |
| 40° | 4474   | 6430   | 4586   |
| 45° | 463    | 2241   | 365    |
| 50° | 0      | 402    | 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: 2241 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 78.9   | 12.5      |
| 10°-20°   | 225.2  | 35.6      |
| 20°-30°   | 248.1  | 39.3      |
| 30°-40°   | 74.1   | 11.7      |
| 40°-50°   | 5.7    | 0.9       |
| 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°    | 552.2  | 87.4      |
| 0°-40°    | 626.3  | 99.1      |
| 0°-60°    | 632.0  | 100.0     |
| 0°-90°    | 632.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 632.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 831 | 831   | 831 | 831   | 831 |      |
| 5°  | 819 | 817   | 816 | 813   | 812 | 79   |
| 15° | 818 | 812   | 810 | 806   | 806 | 227  |
| 25° | 561 | 561   | 570 | 569   | 561 | 246  |
| 35° | 83  | 88    | 100 | 91    | 85  | 69   |
| 45° | 2   | 5     | 9   | 5     | 2   | 4    |
| 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°    | 831.3 | 831.3 | 831.3 | 831.3 | 831.3 |
| 1°    | 830.8 | 830.8 | 829.8 | 829.4 | 830.8 |
| 2°    | 828.4 | 828.4 | 826.0 | 825.5 | 826.9 |
| 3°    | 823.0 | 822.6 | 820.6 | 819.2 | 820.1 |
| 4°    | 818.7 | 817.7 | 816.3 | 813.8 | 814.3 |
| 5°    | 818.7 | 817.2 | 816.3 | 812.9 | 811.9 |
| 6°    | 822.6 | 821.6 | 819.7 | 816.3 | 815.3 |
| 7°    | 829.4 | 827.4 | 825.5 | 821.1 | 820.1 |
| 8°    | 836.6 | 835.2 | 831.3 | 826.9 | 825.0 |
| 9°    | 843.9 | 840.5 | 835.7 | 831.3 | 830.8 |
| 10°   | 848.3 | 843.4 | 838.1 | 832.8 | 832.3 |
| 11°   | 847.8 | 843.4 | 837.1 | 832.3 | 831.8 |
| 12°   | 845.9 | 839.5 | 834.2 | 828.4 | 828.9 |
| 13°   | 839.1 | 833.2 | 827.9 | 823.5 | 822.6 |
| 14°   | 829.8 | 824.5 | 819.7 | 815.3 | 815.8 |
| 15°   | 818.2 | 812.4 | 809.5 | 806.1 | 806.5 |
| 17.5° | 776.9 | 775.5 | 776.9 | 773.1 | 774.5 |
| 20°   | 725.0 | 723.6 | 727.9 | 726.0 | 725.5 |
| 22.5° | 652.7 | 654.7 | 662.9 | 660.5 | 656.1 |
| 25°   | 561.0 | 561.0 | 569.7 | 568.8 | 561.0 |
| 27.5° | 441.6 | 445.0 | 450.3 | 452.8 | 447.0 |
| 30°   | 307.7 | 315.4 | 315.4 | 320.3 | 317.9 |
| 32.5° | 171.8 | 188.3 | 192.2 | 194.6 | 184.9 |
| 35°   | 83.0  | 88.3  | 100.0 | 91.2  | 85.4  |
| 37.5° | 39.8  | 42.2  | 53.9  | 43.7  | 40.8  |
| 40°   | 19.9  | 22.8  | 28.6  | 23.8  | 20.4  |
| 42.5° | 8.2   | 12.1  | 15.0  | 12.1  | 8.2   |
| 45°   | 1.9   | 4.9   | 9.2   | 4.9   | 1.5   |
| 47.5° | 0.0   | 0.5   | 4.4   | 1.0   | 0.0   |
| 50°   | 0.0   | 0.0   | 1.5   | 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)