

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: P1307652

Luminaire Tested: P3SQAS05R209030DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307652  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R209030DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

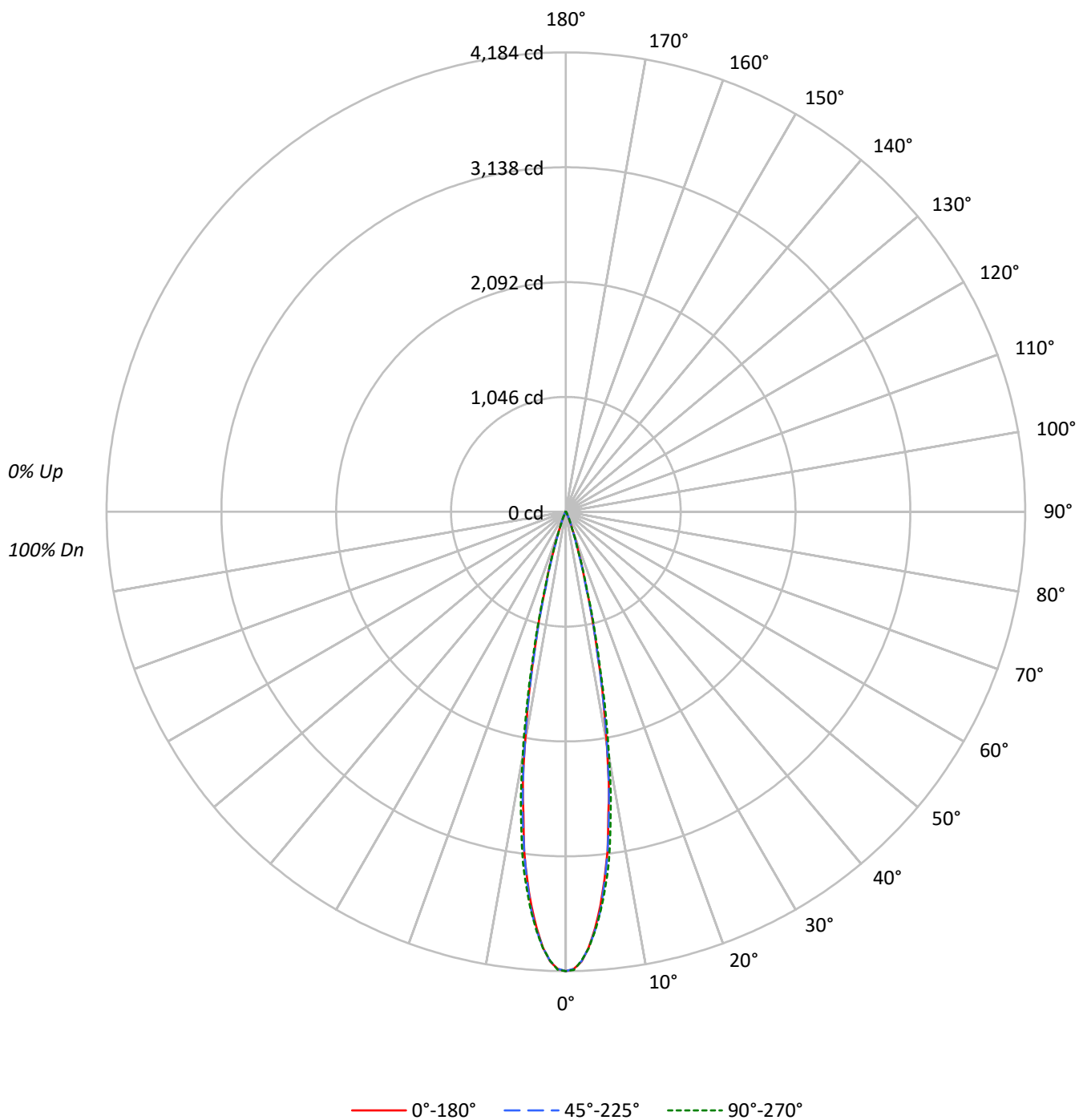
Lumens per Lamp: N/A  
Luminaire Lumens: 562.0 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 92  | 92  | 92  | 91  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 89  | 92  | 90  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 91  | 88  | 87  | 87  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 89  | 87  | 85  | 85  | 85  | 85  |
| 10  | 95  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 86  | 84  | 84  | 84  | 83  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 720631 | 720631 | 720631 |
| 5°  | 622543 | 628334 | 630668 |
| 10° | 374749 | 378264 | 397081 |
| 15° | 129623 | 126592 | 136683 |
| 20° | 34053  | 32018  | 32110  |
| 25° | 7430   | 8950   | 10185  |
| 30° | 3182   | 3182   | 3281   |
| 35° | 1787   | 1577   | 1682   |
| 40° | 787    | 899    | 1012   |
| 45° | 244    | 365    | 365    |
| 50° | 134    | 134    | 134    |
| 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: 22.5°

Vertical Angle: 45°

Luminance: 365 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 299.3  | 53.3      |
| 10°-20°   | 227.9  | 40.5      |
| 20°-30°   | 28.2   | 5.0       |
| 30°-40°   | 5.3    | 0.9       |
| 40°-50°   | 1.3    | 0.2       |
| 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°    | 555.3  | 98.8      |
| 0°-40°    | 560.6  | 99.8      |
| 0°-60°    | 562.0  | 100.0     |
| 0°-90°    | 562.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 562.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4184 | 4184  | 4184 | 4184  | 4184 |      |
| 5°  | 3601 | 3598  | 3634 | 3632  | 3648 | 297  |
| 15° | 727  | 701   | 710  | 752   | 767  | 228  |
| 25° | 39   | 45    | 47   | 49    | 54   | 27   |
| 35° | 8    | 8     | 8    | 8     | 8    | 5    |
| 45° | 1    | 2     | 2    | 2     | 2    | 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°    | 4184.3 | 4184.3 | 4184.3 | 4184.3 | 4184.3 |
| 1°    | 4164.7 | 4159.7 | 4163.7 | 4155.2 | 4172.7 |
| 2°    | 4098.1 | 4093.1 | 4093.1 | 4088.1 | 4090.6 |
| 3°    | 3974.0 | 3982.0 | 3977.0 | 3966.5 | 3980.0 |
| 4°    | 3804.7 | 3813.7 | 3821.8 | 3822.3 | 3824.3 |
| 5°    | 3601.0 | 3598.4 | 3634.5 | 3632.0 | 3648.0 |
| 6°    | 3368.6 | 3365.6 | 3381.2 | 3407.2 | 3439.2 |
| 7°    | 3113.3 | 3076.7 | 3118.3 | 3170.9 | 3213.9 |
| 8°    | 2782.8 | 2792.3 | 2820.9 | 2883.0 | 2917.5 |
| 9°    | 2502.4 | 2446.9 | 2507.4 | 2581.6 | 2619.1 |
| 10°   | 2142.9 | 2097.9 | 2163.0 | 2241.1 | 2270.6 |
| 12.5° | 1348.9 | 1309.8 | 1330.8 | 1412.9 | 1426.0 |
| 15°   | 727.0  | 701.0  | 710.0  | 752.5  | 766.6  |
| 17.5° | 371.0  | 347.5  | 342.5  | 369.5  | 372.5  |
| 20°   | 185.8  | 180.2  | 174.7  | 177.2  | 175.2  |
| 22.5° | 86.1   | 93.6   | 92.6   | 87.6   | 93.6   |
| 25°   | 39.1   | 44.6   | 47.1   | 49.1   | 53.6   |
| 27.5° | 24.0   | 23.0   | 26.5   | 28.5   | 29.0   |
| 30°   | 16.0   | 15.5   | 16.0   | 16.5   | 16.5   |
| 32.5° | 11.5   | 11.0   | 10.5   | 10.5   | 11.0   |
| 35°   | 8.5    | 8.5    | 7.5    | 8.0    | 8.0    |
| 37.5° | 6.0    | 6.0    | 5.5    | 6.0    | 6.0    |
| 40°   | 3.5    | 4.0    | 4.0    | 4.0    | 4.5    |
| 42.5° | 2.0    | 2.5    | 2.5    | 2.5    | 2.5    |
| 45°   | 1.0    | 1.5    | 1.5    | 1.5    | 1.5    |
| 47.5° | 0.5    | 0.5    | 0.5    | 1.0    | 1.0    |
| 50°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 52.5° | 0.5    | 0.0    | 0.0    | 0.0    | 0.5    |
| 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    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)