

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: P1307519

Luminaire Tested: P3SQAS02R309030DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307519  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R309030DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

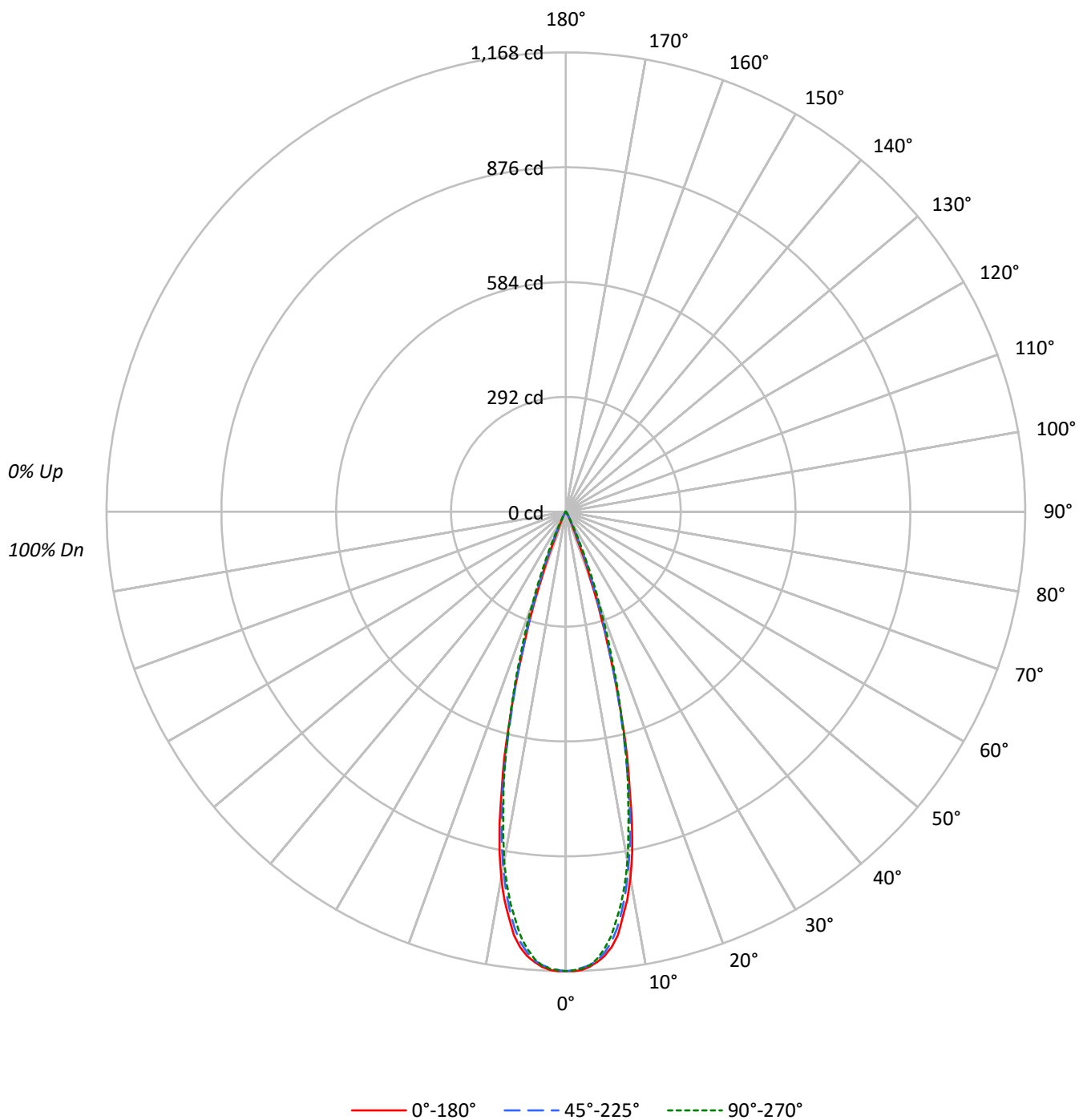
Lumens per Lamp: N/A  
Luminaire Lumens: 283.0 lumens  
Efficiency: N/A  
Efficacy: 78.6 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 88  | 86  | 83  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  |  | 86  | 83  | 81  |  | 86  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 84  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 201156 | 201156 | 201156 |
| 5°  | 195977 | 194612 | 193021 |
| 10° | 165383 | 160295 | 157706 |
| 15° | 99669  | 96887  | 98670  |
| 20° | 33814  | 39038  | 45031  |
| 25° | 6214   | 9729   | 11497  |
| 30° | 2128   | 2386   | 2665   |
| 35° | 610    | 778    | 820    |
| 40° | 157    | 270    | 225    |
| 45° | 49     | 49     | 49     |
| 50° | 54     | 0      | 54     |
| 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: 57 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 101.0  | 35.7      |
| 10°-20°   | 147.6  | 52.2      |
| 20°-30°   | 31.2   | 11.0      |
| 30°-40°   | 2.9    | 1.0       |
| 40°-50°   | 0.3    | 0.1       |
| 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°    | 279.8  | 98.9      |
| 0°-40°    | 282.7  | 99.9      |
| 0°-60°    | 283.0  | 100.0     |
| 0°-90°    | 283.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 283.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1168 | 1168  | 1168 | 1168  | 1168 |      |
| 5°  | 1134 | 1131  | 1126 | 1122  | 1116 | 102  |
| 15° | 559  | 557   | 543  | 556   | 553  | 147  |
| 25° | 33   | 37    | 51   | 60    | 60   | 24   |
| 35° | 3    | 4     | 4    | 4     | 4    | 2    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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°    | 1168.0 | 1168.0 | 1168.0 | 1168.0 | 1168.0 |
| 1°    | 1168.2 | 1167.0 | 1165.3 | 1167.7 | 1166.0 |
| 2°    | 1165.8 | 1162.8 | 1160.4 | 1162.8 | 1162.1 |
| 3°    | 1158.4 | 1156.0 | 1154.3 | 1155.5 | 1155.5 |
| 4°    | 1147.5 | 1144.8 | 1143.3 | 1143.6 | 1139.9 |
| 5°    | 1133.6 | 1131.4 | 1125.7 | 1122.3 | 1116.5 |
| 6°    | 1113.1 | 1107.7 | 1100.9 | 1095.2 | 1087.7 |
| 7°    | 1085.2 | 1076.9 | 1067.2 | 1057.4 | 1047.9 |
| 8°    | 1040.6 | 1036.7 | 1023.5 | 1016.9 | 1007.4 |
| 9°    | 998.6  | 989.1  | 975.0  | 964.2  | 959.1  |
| 10°   | 945.7  | 931.5  | 916.6  | 908.1  | 901.8  |
| 11°   | 883.0  | 868.6  | 856.6  | 844.2  | 834.4  |
| 12°   | 809.3  | 797.1  | 783.4  | 775.1  | 763.7  |
| 13°   | 721.9  | 720.2  | 704.9  | 702.2  | 700.7  |
| 14°   | 647.0  | 640.2  | 625.1  | 629.2  | 630.2  |
| 15°   | 559.0  | 557.0  | 543.4  | 556.0  | 553.4  |
| 17.5° | 350.1  | 350.8  | 359.4  | 379.4  | 385.7  |
| 20°   | 184.5  | 190.1  | 213.0  | 237.2  | 245.7  |
| 22.5° | 74.7   | 87.1   | 110.5  | 126.9  | 137.9  |
| 25°   | 32.7   | 36.6   | 51.2   | 60.3   | 60.5   |
| 27.5° | 18.5   | 18.8   | 24.6   | 25.6   | 26.1   |
| 30°   | 10.7   | 11.0   | 12.0   | 12.7   | 13.4   |
| 32.5° | 5.9    | 6.3    | 6.6    | 7.6    | 7.6    |
| 35°   | 2.9    | 3.7    | 3.7    | 4.4    | 3.9    |
| 37.5° | 1.7    | 2.0    | 2.2    | 2.2    | 2.0    |
| 40°   | 0.7    | 1.0    | 1.2    | 1.2    | 1.0    |
| 42.5° | 0.2    | 0.5    | 0.5    | 0.5    | 0.7    |
| 45°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 47.5° | 0.2    | 0.2    | 0.0    | 0.2    | 0.2    |
| 50°   | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 52.5° | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 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)