

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: P1313561

Luminaire Tested: P3SQAS17R309730DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313561  
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: P3SQAS17R309730DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

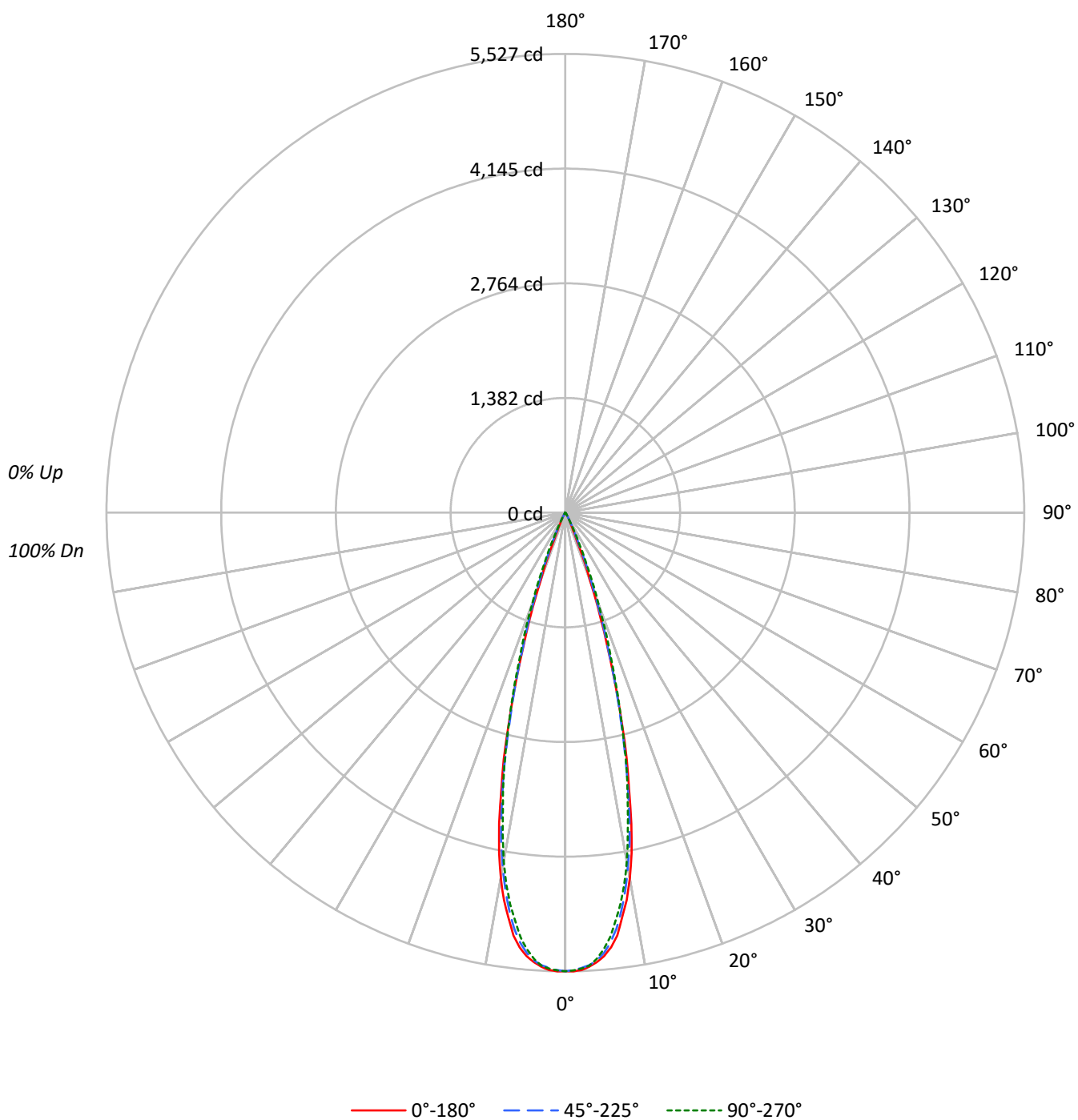
Lumens per Lamp: N/A  
Luminaire Lumens: 1339.0 lumens  
Efficiency: N/A  
Efficacy: 63.2 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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 | 100 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 97 | 97 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 94 | 94 |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92 | 92 |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 89  | 89 | 89 |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  | 93  | 90  | 88  | 92  | 89  | 88  | 87  | 87 | 87 |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 85  | 84  | 84 | 84 |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 88  | 86  | 83  | 88  | 85  | 83  | 82  | 82 | 82 |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 80  | 80 | 80 |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 78  | 78 | 78 |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 76  | 76 | 76 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 951720 | 951720 | 951720 |
| 5°  | 927210 | 920831 | 913241 |
| 10° | 782481 | 758470 | 746158 |
| 15° | 471545 | 458368 | 466820 |
| 20° | 159945 | 184705 | 213058 |
| 25° | 29397  | 46062  | 54405  |
| 30° | 10102  | 11256  | 12628  |
| 35° | 2922   | 3637   | 3890   |
| 40° | 787    | 1304   | 1034   |
| 45° | 292    | 292    | 292    |
| 50° | 322    | 0      | 322    |
| 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: 339 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 477.8  | 35.7      |
| 10°-20°   | 698.4  | 52.2      |
| 20°-30°   | 147.8  | 11.0      |
| 30°-40°   | 13.6   | 1.0       |
| 40°-50°   | 1.3    | 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°    | 1324.0 | 98.9      |
| 0°-40°    | 1337.6 | 99.9      |
| 0°-60°    | 1339.0 | 100.0     |
| 0°-90°    | 1339.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1339.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5526 | 5526  | 5526 | 5526  | 5526 |      |
| 5°  | 5363 | 5353  | 5326 | 5310  | 5282 | 484  |
| 15° | 2645 | 2636  | 2571 | 2631  | 2618 | 698  |
| 25° | 155  | 173   | 242  | 285   | 286  | 113  |
| 35° | 14   | 17    | 17   | 21    | 18   | 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    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 5526.1 | 5526.1 | 5526.1 | 5526.1 | 5526.1 |
| 1°    | 5527.3 | 5521.5 | 5513.4 | 5525.0 | 5516.9 |
| 2°    | 5515.7 | 5501.9 | 5490.3 | 5501.9 | 5498.4 |
| 3°    | 5481.1 | 5469.5 | 5461.5 | 5467.2 | 5467.2 |
| 4°    | 5429.1 | 5416.4 | 5409.5 | 5410.7 | 5393.4 |
| 5°    | 5363.3 | 5352.9 | 5326.4 | 5310.2 | 5282.5 |
| 6°    | 5266.4 | 5241.0 | 5208.6 | 5182.1 | 5146.3 |
| 7°    | 5134.8 | 5095.5 | 5049.3 | 5003.2 | 4958.1 |
| 8°    | 4923.5 | 4905.0 | 4842.7 | 4811.5 | 4766.5 |
| 9°    | 4725.0 | 4679.9 | 4613.0 | 4562.2 | 4537.9 |
| 10°   | 4474.4 | 4407.5 | 4337.1 | 4296.7 | 4266.7 |
| 11°   | 4177.8 | 4109.7 | 4053.1 | 3994.2 | 3948.0 |
| 12°   | 3829.1 | 3771.4 | 3706.8 | 3667.5 | 3613.3 |
| 13°   | 3415.9 | 3407.8 | 3335.1 | 3322.4 | 3315.4 |
| 14°   | 3061.5 | 3029.1 | 2957.6 | 2977.2 | 2981.8 |
| 15°   | 2644.7 | 2635.5 | 2570.8 | 2630.9 | 2618.2 |
| 17.5° | 1656.6 | 1660.0 | 1700.4 | 1795.1 | 1825.1 |
| 20°   | 872.7  | 899.3  | 1007.8 | 1122.1 | 1162.5 |
| 22.5° | 353.2  | 412.1  | 522.9  | 600.3  | 652.2  |
| 25°   | 154.7  | 173.2  | 242.4  | 285.1  | 286.3  |
| 27.5° | 87.7   | 88.9   | 116.6  | 121.2  | 123.5  |
| 30°   | 50.8   | 51.9   | 56.6   | 60.0   | 63.5   |
| 32.5° | 27.7   | 30.0   | 31.2   | 35.8   | 35.8   |
| 35°   | 13.9   | 17.3   | 17.3   | 20.8   | 18.5   |
| 37.5° | 8.1    | 9.2    | 10.4   | 10.4   | 9.2    |
| 40°   | 3.5    | 4.6    | 5.8    | 5.8    | 4.6    |
| 42.5° | 1.2    | 2.3    | 2.3    | 2.3    | 3.5    |
| 45°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 47.5° | 1.2    | 1.2    | 0.0    | 1.2    | 1.2    |
| 50°   | 1.2    | 0.0    | 0.0    | 0.0    | 1.2    |
| 52.5° | 1.2    | 0.0    | 0.0    | 0.0    | 1.2    |
| 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)