

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: P1306533

Luminaire Tested: P3SQAS05R209027DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306533  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R209027DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

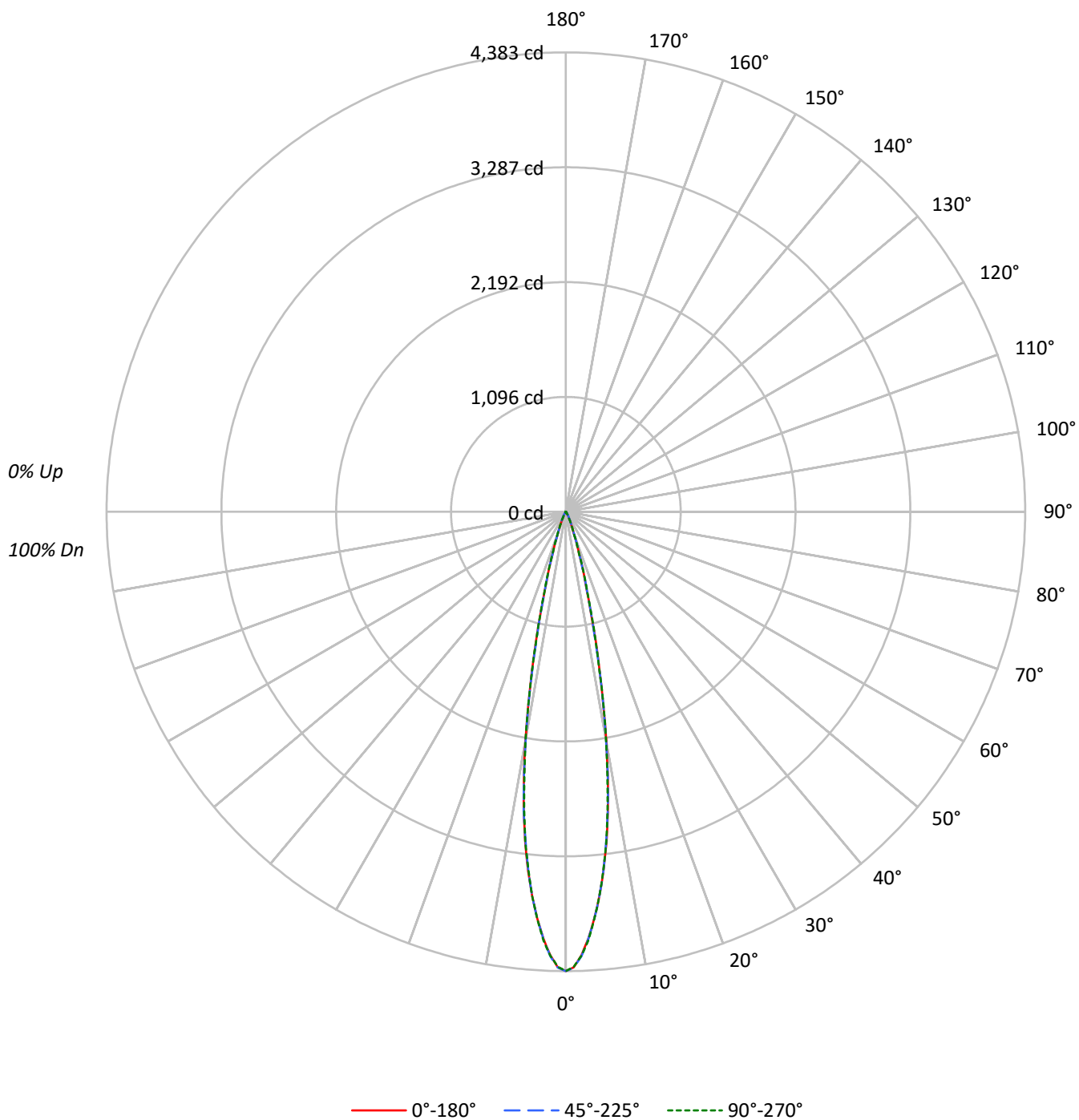
Lumens per Lamp: N/A  
Luminaire Lumens: 604.0 lumens  
Efficiency: N/A  
Efficacy: 83.9 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 100 | 100 | 100 |
| 1   | 116 | 114 | 112 | 110 | 113 | 111 | 110 | 109 | 108 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 98  | 98  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 102 | 100 | 99  | 99  | 98  | 97  | 95  | 95  | 95  |
| 3   | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99  | 102 | 99  | 97  | 99  | 97  | 96  | 97  | 96  | 94  | 93  | 93  | 93  |
| 4   | 107 | 102 | 98  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  | 97  | 95  | 93  | 96  | 94  | 92  | 91  | 91  | 91  |
| 5   | 104 | 99  | 95  | 93  | 103 | 98  | 95  | 92  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 89  | 89  | 89  |
| 6   | 102 | 96  | 93  | 90  | 101 | 96  | 92  | 90  | 94  | 92  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 87  | 87  | 87  |
| 7   | 100 | 94  | 90  | 88  | 99  | 94  | 90  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 91  | 88  | 87  | 86  | 86  | 86  |
| 8   | 97  | 92  | 88  | 86  | 97  | 91  | 88  | 86  | 91  | 88  | 86  | 90  | 87  | 85  | 89  | 87  | 85  | 84  | 84  | 84  |
| 9   | 96  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 84  | 87  | 85  | 83  | 83  | 83  | 83  |
| 10  | 94  | 88  | 85  | 83  | 93  | 88  | 85  | 82  | 87  | 84  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  | 81  | 81  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 754852 | 754852 | 754852 |
| 5°  | 636218 | 636460 | 636148 |
| 10° | 387708 | 385906 | 386798 |
| 15° | 136558 | 137147 | 141390 |
| 20° | 42905  | 44114  | 43161  |
| 25° | 16076  | 17577  | 16513  |
| 30° | 6224   | 8830   | 6503   |
| 35° | 2355   | 3932   | 2565   |
| 40° | 1259   | 1686   | 1259   |
| 45° | 463    | 804    | 560    |
| 50° | 241    | 375    | 241    |
| 55° | 270    | 270    | 270    |
| 60° | 172    | 172    | 172    |
| 65° | 204    | 204    | 204    |
| 70° | 252    | 252    | 252    |
| 75° | 0      | 0      | 333    |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 804 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 304.3  | 50.4      |
| 10°-20°   | 238.6  | 39.5      |
| 20°-30°   | 46.8   | 7.8       |
| 30°-40°   | 10.5   | 1.7       |
| 40°-50°   | 2.4    | 0.4       |
| 50°-60°   | 0.7    | 0.1       |
| 60°-70°   | 0.5    | 0.1       |
| 70°-80°   | 0.2    | 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°    | 589.7  | 97.6      |
| 0°-40°    | 600.2  | 99.4      |
| 0°-60°    | 603.3  | 99.9      |
| 0°-90°    | 604.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 604.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4383 | 4383  | 4383 | 4383  | 4383 |      |
| 5°  | 3680 | 3683  | 3682 | 3694  | 3680 | 305  |
| 15° | 766  | 769   | 769  | 786   | 793  | 238  |
| 25° | 85   | 90    | 92   | 91    | 87   | 45   |
| 35° | 11   | 14    | 19   | 14    | 12   | 8    |
| 45° | 2    | 3     | 3    | 3     | 2    | 2    |
| 55° | 1    | 1     | 1    | 1     | 1    | 1    |
| 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°    | 4383.0 | 4383.0 | 4383.0 | 4383.0 | 4383.0 |
| 1°    | 4347.5 | 4338.1 | 4348.9 | 4340.5 | 4342.3 |
| 2°    | 4234.8 | 4229.7 | 4243.7 | 4234.8 | 4239.5 |
| 3°    | 4078.3 | 4071.7 | 4082.0 | 4082.5 | 4095.6 |
| 4°    | 3891.4 | 3878.7 | 3894.2 | 3894.6 | 3897.0 |
| 5°    | 3680.1 | 3683.4 | 3681.5 | 3694.1 | 3679.7 |
| 6°    | 3442.7 | 3453.5 | 3439.5 | 3446.5 | 3426.4 |
| 7°    | 3177.3 | 3163.7 | 3156.7 | 3159.1 | 3173.1 |
| 8°    | 2884.3 | 2874.9 | 2885.2 | 2870.7 | 2860.9 |
| 9°    | 2558.6 | 2542.2 | 2553.4 | 2539.4 | 2525.4 |
| 10°   | 2217.0 | 2209.5 | 2206.7 | 2190.8 | 2211.8 |
| 11°   | 1874.4 | 1852.0 | 1863.2 | 1855.3 | 1878.2 |
| 12°   | 1553.8 | 1555.7 | 1533.7 | 1540.7 | 1543.6 |
| 13°   | 1264.6 | 1234.7 | 1238.4 | 1257.6 | 1260.8 |
| 14°   | 980.9  | 985.1  | 986.5  | 1000.1 | 1008.0 |
| 15°   | 765.9  | 769.2  | 769.2  | 786.0  | 793.0  |
| 17.5° | 410.8  | 410.8  | 419.7  | 421.5  | 422.5  |
| 20°   | 234.1  | 235.5  | 240.7  | 240.2  | 235.5  |
| 22.5° | 140.2  | 143.0  | 145.8  | 143.0  | 140.2  |
| 25°   | 84.6   | 90.2   | 92.5   | 91.1   | 86.9   |
| 27.5° | 50.5   | 56.5   | 63.1   | 57.9   | 50.0   |
| 30°   | 31.3   | 34.6   | 44.4   | 35.5   | 32.7   |
| 32.5° | 17.3   | 22.4   | 30.4   | 23.4   | 17.8   |
| 35°   | 11.2   | 13.6   | 18.7   | 13.6   | 12.2   |
| 37.5° | 7.9    | 9.3    | 11.7   | 9.8    | 8.4    |
| 40°   | 5.6    | 6.5    | 7.5    | 7.0    | 5.6    |
| 42.5° | 3.7    | 4.7    | 5.1    | 4.7    | 3.7    |
| 45°   | 1.9    | 2.8    | 3.3    | 2.8    | 2.3    |
| 47.5° | 0.9    | 1.4    | 2.3    | 1.4    | 0.9    |
| 50°   | 0.9    | 0.9    | 1.4    | 0.9    | 0.9    |
| 52.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 55°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 57.5° | 0.9    | 0.9    | 0.5    | 0.9    | 0.5    |
| 60°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 62.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 65°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 67.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 70°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 72.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    |
| 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)