

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: P1313001

Luminaire Tested: P3SQAS02R709730DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313001  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R709730DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

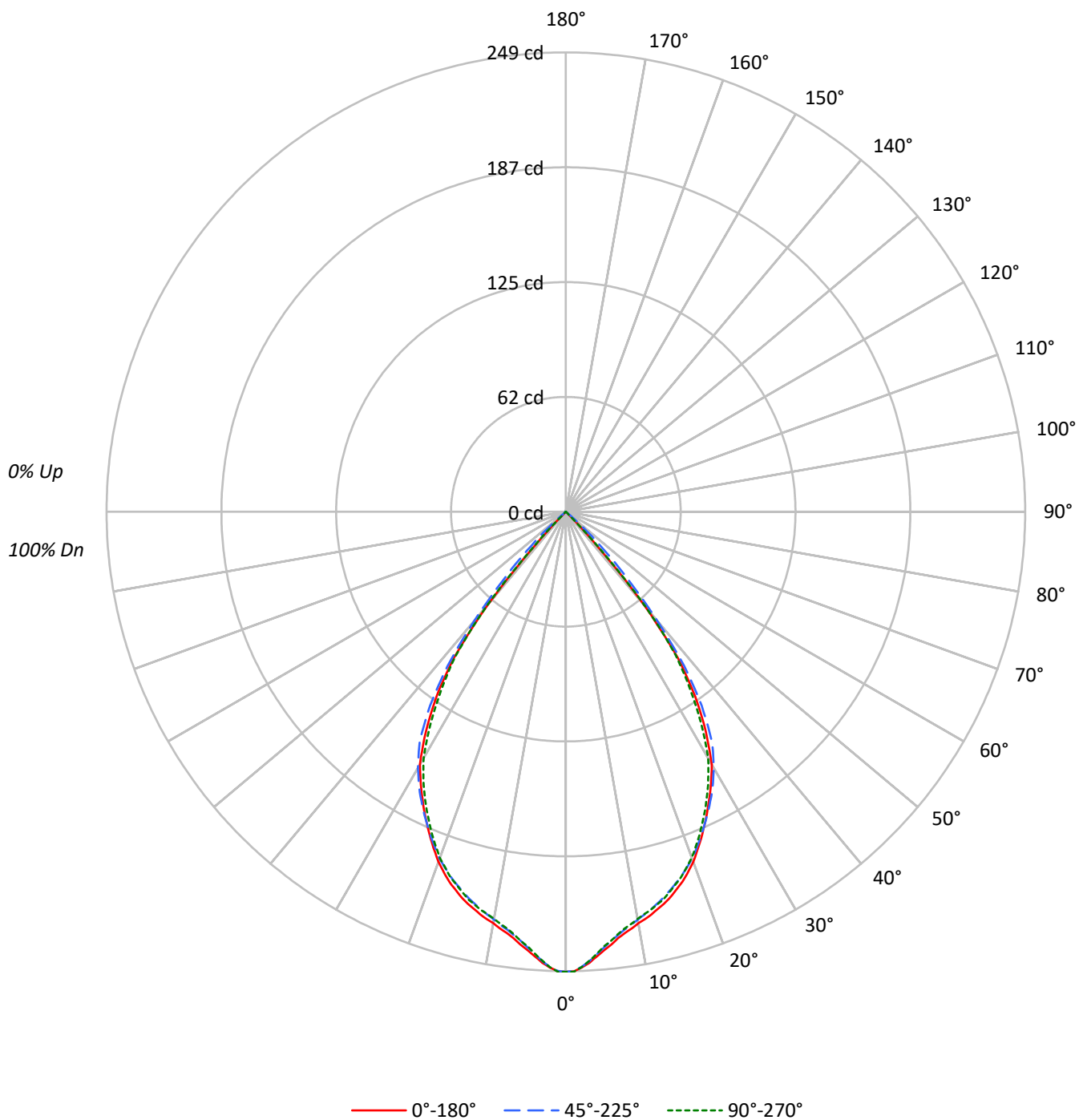
Lumens per Lamp: N/A  
Luminaire Lumens: 258.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 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 |    |    |
| 1   | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 93  |    |    |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  | 95  | 92  | 90  | 92  | 90  | 88  | 86  |    |    |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  | 89  | 86  | 83  | 87  | 84  | 81  | 80  |    |    |
| 4   | 96  | 89  | 83  | 79  | 95  | 88  | 82  | 78  | 85  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 74  |    |    |
| 5   | 91  | 83  | 77  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 68  |    |    |
| 6   | 86  | 77  | 71  | 67  | 85  | 76  | 71  | 66  | 75  | 70  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 63  |    |    |
| 7   | 82  | 72  | 66  | 62  | 80  | 71  | 66  | 61  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 60  | 59  |    |    |
| 8   | 78  | 68  | 61  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 64  | 60  | 56  | 55  |    |    |
| 9   | 74  | 63  | 57  | 53  | 72  | 63  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 60  | 56  | 53  | 51  |    |    |
| 10  | 70  | 60  | 54  | 50  | 69  | 59  | 53  | 50  | 58  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 48  |    |    |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 42952 | 42952 | 42952 |
| 5°  | 41232 | 41007 | 40886 |
| 10° | 39610 | 39260 | 39190 |
| 15° | 38673 | 38120 | 38209 |
| 20° | 37022 | 36673 | 36582 |
| 25° | 34376 | 34452 | 33920 |
| 30° | 31461 | 31898 | 30685 |
| 35° | 25734 | 26974 | 24725 |
| 40° | 14816 | 17266 | 15198 |
| 45° | 219   | 7185  | 755   |
| 50° | 0     | 750   | 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: 7185 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 22.3   | 8.6       |
| 10°-20°   | 60.3   | 23.4      |
| 20°-30°   | 82.8   | 32.1      |
| 30°-40°   | 75.1   | 29.1      |
| 40°-50°   | 17.5   | 6.8       |
| 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       |
| 0°-30°    | 165.4  | 64.1      |
| 0°-40°    | 240.5  | 93.2      |
| 0°-60°    | 258.0  | 100.0     |
| 0°-90°    | 258.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 258.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 249 | 249   | 249 | 249   | 249 |      |
| 5°  | 238 | 238   | 237 | 237   | 236 | 22   |
| 15° | 217 | 215   | 214 | 214   | 214 | 61   |
| 25° | 181 | 182   | 181 | 180   | 178 | 83   |
| 35° | 122 | 124   | 128 | 123   | 118 | 74   |
| 45° | 1   | 10    | 30  | 13    | 3   | 11   |
| 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°    | 249.4 | 249.4 | 249.4 | 249.4 | 249.4 |
| 1°    | 249.2 | 248.7 | 248.9 | 249.2 | 249.4 |
| 2°    | 247.2 | 246.8 | 246.8 | 247.0 | 247.0 |
| 3°    | 244.8 | 243.9 | 243.9 | 243.7 | 243.7 |
| 4°    | 241.5 | 240.9 | 240.4 | 240.2 | 240.2 |
| 5°    | 238.5 | 237.8 | 237.2 | 236.7 | 236.5 |
| 6°    | 235.9 | 234.8 | 233.9 | 233.7 | 233.9 |
| 7°    | 232.8 | 232.1 | 231.3 | 230.6 | 230.8 |
| 8°    | 230.6 | 229.7 | 228.7 | 228.2 | 228.2 |
| 9°    | 228.7 | 227.8 | 226.7 | 225.8 | 226.3 |
| 10°   | 226.5 | 225.6 | 224.5 | 223.9 | 224.1 |
| 11°   | 224.9 | 223.9 | 222.5 | 222.1 | 222.3 |
| 12°   | 223.2 | 221.9 | 220.6 | 220.4 | 220.8 |
| 13°   | 221.0 | 219.7 | 218.4 | 218.4 | 218.8 |
| 14°   | 219.1 | 217.5 | 216.2 | 216.2 | 216.9 |
| 15°   | 216.9 | 215.3 | 213.8 | 213.8 | 214.3 |
| 17.5° | 210.3 | 209.0 | 207.5 | 207.5 | 207.7 |
| 20°   | 202.0 | 201.4 | 200.1 | 199.4 | 199.6 |
| 22.5° | 191.6 | 191.6 | 190.9 | 189.8 | 189.4 |
| 25°   | 180.9 | 181.7 | 181.3 | 179.6 | 178.5 |
| 27.5° | 169.7 | 171.3 | 171.5 | 168.9 | 166.9 |
| 30°   | 158.2 | 159.5 | 160.4 | 157.3 | 154.3 |
| 32.5° | 141.2 | 145.1 | 147.3 | 143.1 | 136.8 |
| 35°   | 122.4 | 124.1 | 128.3 | 122.8 | 117.6 |
| 37.5° | 99.5  | 101.7 | 105.2 | 100.8 | 97.7  |
| 40°   | 65.9  | 74.6  | 76.8  | 74.6  | 67.6  |
| 42.5° | 23.8  | 41.9  | 50.4  | 42.8  | 27.9  |
| 45°   | 0.9   | 9.8   | 29.5  | 12.7  | 3.1   |
| 47.5° | 0.0   | 0.2   | 13.3  | 0.4   | 0.0   |
| 50°   | 0.0   | 0.0   | 2.8   | 0.0   | 0.0   |
| 52.5° | 0.0   | 0.0   | 0.2   | 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)