

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: P1313173

Luminaire Tested: P3SQAS05R709730DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313173  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R709730DE010 E3SQCLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCLDWW1MMS TR  
Light Source: -  
Ballast/Driver: -

**Summary**

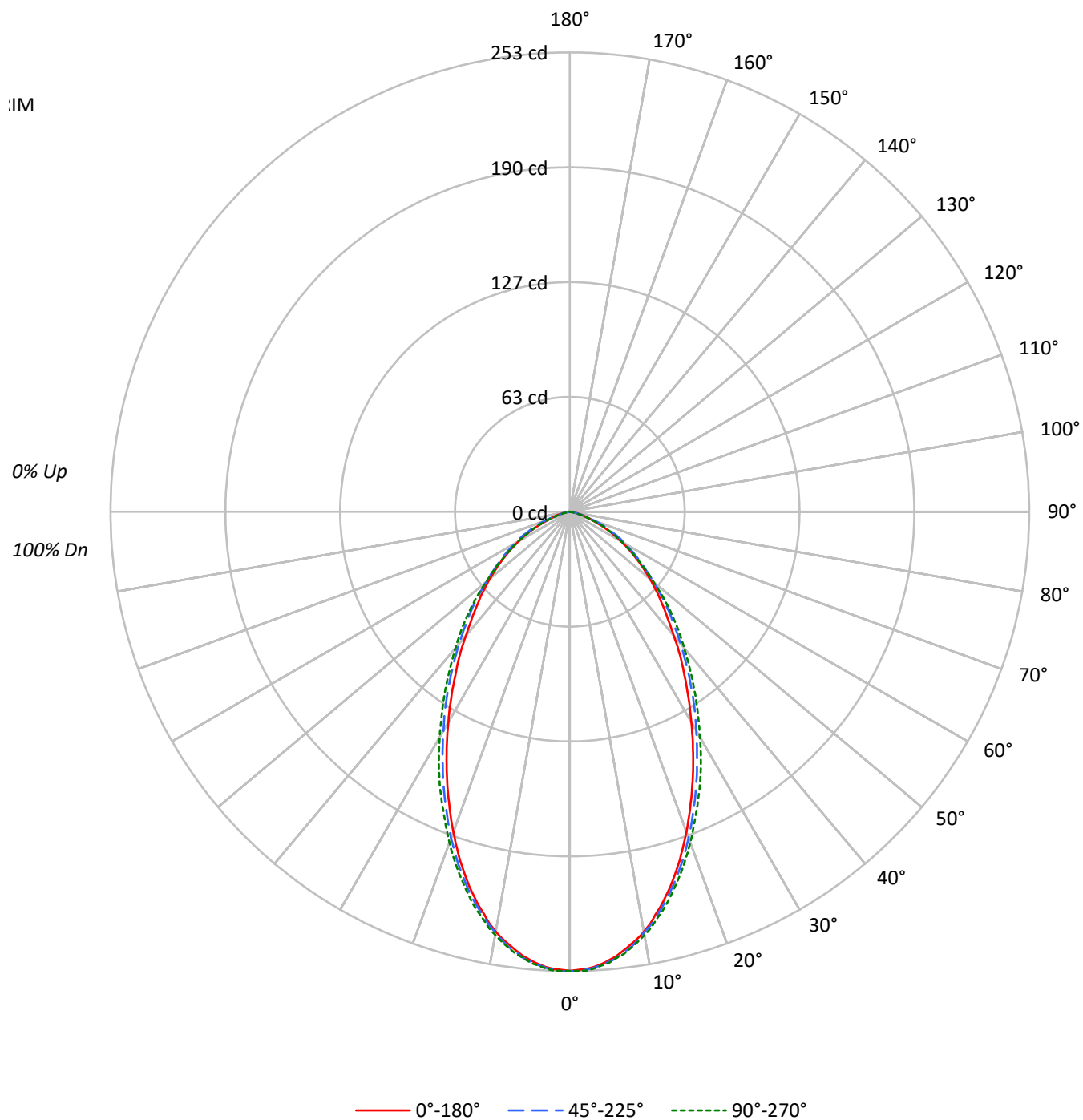
Lumens per Lamp: N/A  
Luminaire Lumens: 362.0 lumens  
Efficiency: N/A  
Efficacy: 50.3 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 111 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99  | 97  |  | 98  | 96  | 94  |  | 94  |
| 2   | 103 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  |  | 89  | 85  | 82  |  | 86  |
| 3   | 96  | 87  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  |  | 81  | 76  | 72  |  | 78  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  |  | 74  | 69  | 64  |  | 72  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  |  | 67  | 62  | 58  |  | 66  |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 53  |  | 62  | 56  | 52  |  | 61  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 48  |  | 58  | 52  | 47  |  | 56  |
| 8   | 68  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  |  | 53  | 48  | 43  |  | 52  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 43555 | 43555 | 43555 |
| 5°  | 42857 | 43013 | 43099 |
| 10° | 41079 | 41149 | 41394 |
| 15° | 38120 | 38441 | 38762 |
| 20° | 34401 | 35061 | 35555 |
| 25° | 30461 | 31316 | 32096 |
| 30° | 26608 | 27682 | 28497 |
| 35° | 23127 | 24367 | 25124 |
| 40° | 19987 | 21313 | 22010 |
| 45° | 17512 | 18705 | 19241 |
| 50° | 15406 | 16129 | 16129 |
| 55° | 13362 | 14022 | 13632 |
| 60° | 11298 | 12056 | 11436 |
| 65° | 8802  | 10066 | 9169  |
| 70° | 6345  | 7452  | 6345  |
| 75° | 4791  | 4458  | 3593  |
| 80° | 3075  | 2182  | 893   |
| 85° | 790   | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 19241 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.3   | 6.4       |
| 10°-20°   | 60.2   | 16.6      |
| 20°-30°   | 75.5   | 20.9      |
| 30°-40°   | 72.1   | 19.9      |
| 40°-50°   | 58.7   | 16.2      |
| 50°-60°   | 41.1   | 11.3      |
| 60°-70°   | 23.2   | 6.4       |
| 70°-80°   | 7.3    | 2.0       |
| 80°-90°   | 0.6    | 0.2       |
| 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°    | 159.0  | 43.9      |
| 0°-40°    | 231.2  | 63.9      |
| 0°-60°    | 330.9  | 91.4      |
| 0°-90°    | 362.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 362.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 253 | 253   | 253 | 253   | 253 |      |
| 5°  | 248 | 248   | 249 | 248   | 249 | 23   |
| 15° | 214 | 214   | 216 | 216   | 217 | 60   |
| 25° | 160 | 162   | 165 | 168   | 169 | 74   |
| 35° | 110 | 112   | 116 | 118   | 120 | 69   |
| 45° | 72  | 74    | 77  | 78    | 79  | 56   |
| 55° | 44  | 45    | 47  | 46    | 45  | 40   |
| 65° | 22  | 23    | 25  | 23    | 22  | 22   |
| 75° | 7   | 7     | 7   | 6     | 5   | 8    |
| 85° | 0   | 0     | 0   | 0     | 0   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 252.9 | 252.9 | 252.9 | 252.9 | 252.9 |
| 1°    | 252.4 | 252.9 | 253.3 | 252.4 | 252.9 |
| 2°    | 252.0 | 252.4 | 252.4 | 252.0 | 252.9 |
| 3°    | 251.1 | 251.5 | 251.5 | 251.1 | 252.0 |
| 4°    | 249.7 | 250.2 | 250.2 | 249.7 | 250.6 |
| 5°    | 247.9 | 248.4 | 248.8 | 248.4 | 249.3 |
| 6°    | 246.1 | 246.6 | 247.0 | 246.6 | 247.0 |
| 7°    | 243.4 | 244.3 | 244.3 | 244.3 | 245.2 |
| 8°    | 240.7 | 241.6 | 242.1 | 241.6 | 242.5 |
| 9°    | 238.0 | 238.5 | 238.9 | 238.9 | 239.8 |
| 10°   | 234.9 | 235.3 | 235.3 | 235.8 | 236.7 |
| 11°   | 231.3 | 231.3 | 232.2 | 232.2 | 233.6 |
| 12°   | 226.8 | 227.3 | 228.2 | 228.6 | 229.5 |
| 13°   | 222.8 | 223.2 | 224.1 | 224.6 | 225.9 |
| 14°   | 218.3 | 219.2 | 220.1 | 220.5 | 221.9 |
| 15°   | 213.8 | 214.2 | 215.6 | 216.0 | 217.4 |
| 17.5° | 201.2 | 201.7 | 203.9 | 204.8 | 206.2 |
| 20°   | 187.7 | 189.1 | 191.3 | 192.7 | 194.0 |
| 22.5° | 173.8 | 175.2 | 177.9 | 180.1 | 181.0 |
| 25°   | 160.3 | 162.1 | 164.8 | 167.5 | 168.9 |
| 27.5° | 146.9 | 148.7 | 151.8 | 154.5 | 156.3 |
| 30°   | 133.8 | 135.6 | 139.2 | 141.5 | 143.3 |
| 32.5° | 121.7 | 123.5 | 127.6 | 129.8 | 131.1 |
| 35°   | 110.0 | 111.8 | 115.9 | 118.1 | 119.5 |
| 37.5° | 99.7  | 101.5 | 105.1 | 107.3 | 108.2 |
| 40°   | 88.9  | 91.2  | 94.8  | 97.0  | 97.9  |
| 42.5° | 79.9  | 81.7  | 85.3  | 87.1  | 88.5  |
| 45°   | 71.9  | 73.7  | 76.8  | 78.2  | 79.0  |
| 47.5° | 64.7  | 65.6  | 68.3  | 68.7  | 69.6  |
| 50°   | 57.5  | 58.4  | 60.2  | 60.6  | 60.2  |
| 52.5° | 50.8  | 51.7  | 53.0  | 52.5  | 52.5  |
| 55°   | 44.5  | 44.9  | 46.7  | 45.8  | 45.4  |
| 57.5° | 38.2  | 39.1  | 40.9  | 39.5  | 39.1  |
| 60°   | 32.8  | 33.7  | 35.0  | 34.1  | 33.2  |
| 62.5° | 27.4  | 27.8  | 30.1  | 28.3  | 27.4  |
| 65°   | 21.6  | 22.9  | 24.7  | 23.4  | 22.5  |
| 67.5° | 16.2  | 18.4  | 20.2  | 18.4  | 17.5  |
| 70°   | 12.6  | 13.5  | 14.8  | 13.9  | 12.6  |
| 72.5° | 9.4   | 9.9   | 10.3  | 9.4   | 8.5   |
| 75°   | 7.2   | 7.2   | 6.7   | 5.8   | 5.4   |
| 77.5° | 4.9   | 4.9   | 4.0   | 2.7   | 2.7   |
| 80°   | 3.1   | 3.1   | 2.2   | 0.9   | 0.9   |
| 82.5° | 1.3   | 1.3   | 0.9   | 0.4   | 0.4   |
| 85°   | 0.4   | 0.4   | 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)