

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: P1317935

Luminaire Tested: P3SQAS09R709835DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317935  
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: P3SQAS09R709835DE010 E3SQCLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCLDWW1MMS TR  
Light Source: -  
Ballast/Driver: -

**Summary**

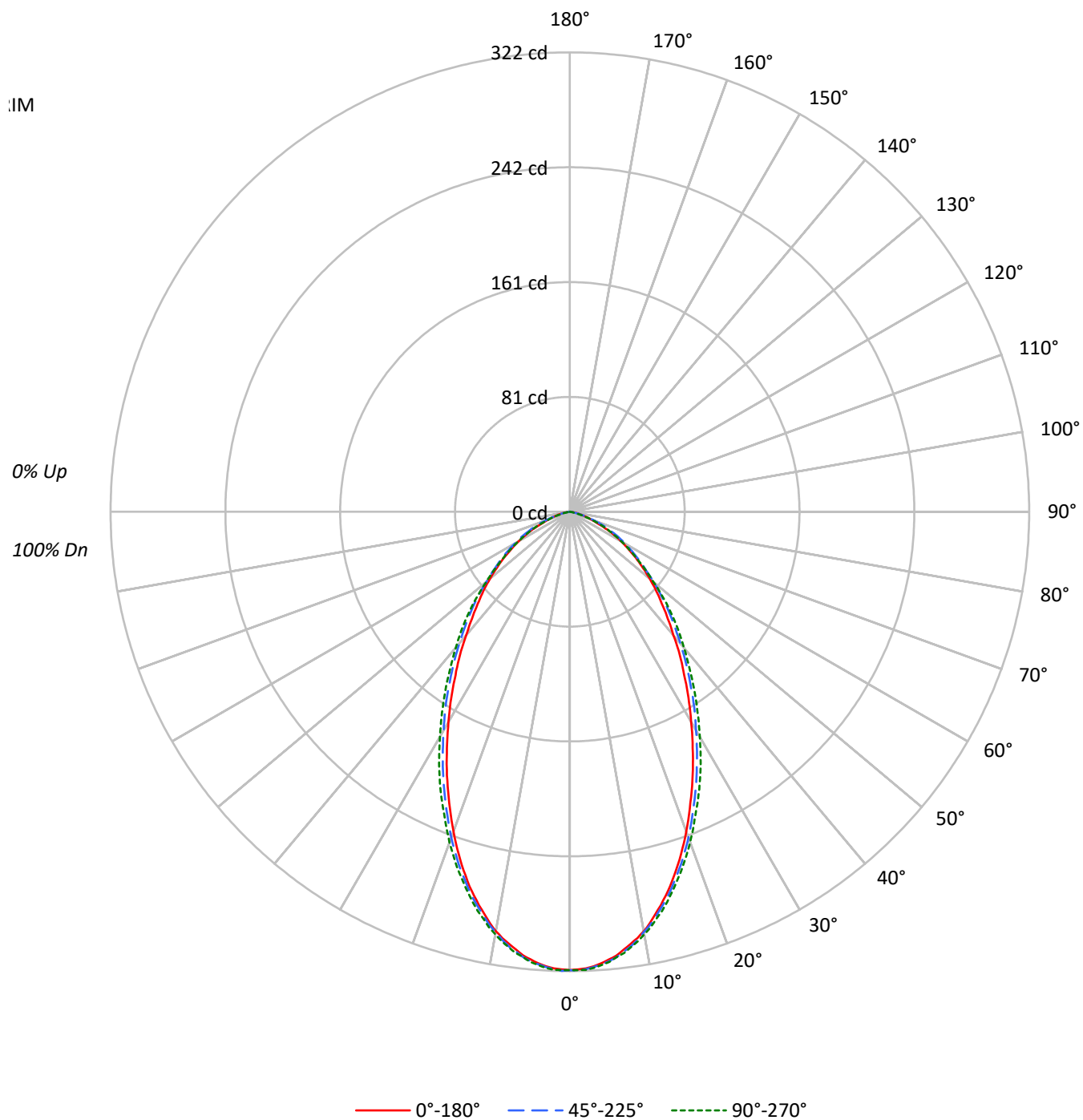
Lumens per Lamp: N/A  
Luminaire Lumens: 460.0 lumens  
Efficiency: N/A  
Efficacy: 41.8 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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°  | 55335 | 55335 | 55335 |
| 5°  | 54457 | 54665 | 54769 |
| 10° | 52202 | 52306 | 52604 |
| 15° | 48444 | 48854 | 49246 |
| 20° | 43730 | 44554 | 45196 |
| 25° | 38727 | 39811 | 40780 |
| 30° | 33827 | 35179 | 36213 |
| 35° | 29392 | 30948 | 31915 |
| 40° | 25405 | 27068 | 27968 |
| 45° | 22237 | 23771 | 24453 |
| 50° | 19586 | 20497 | 20497 |
| 55° | 16965 | 17836 | 17295 |
| 60° | 14363 | 15328 | 14536 |
| 65° | 11166 | 12796 | 11614 |
| 70° | 8057  | 9467  | 8057  |
| 75° | 6055  | 5723  | 4525  |
| 80° | 3967  | 2876  | 1091  |
| 85° | 1186  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 24453 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 29.6   | 6.4       |
| 10°-20°   | 76.5   | 16.6      |
| 20°-30°   | 96.0   | 20.9      |
| 30°-40°   | 91.7   | 19.9      |
| 40°-50°   | 74.5   | 16.2      |
| 50°-60°   | 52.2   | 11.3      |
| 60°-70°   | 29.5   | 6.4       |
| 70°-80°   | 9.3    | 2.0       |
| 80°-90°   | 0.7    | 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°    | 202.1  | 43.9      |
| 0°-40°    | 293.8  | 63.9      |
| 0°-60°    | 420.5  | 91.4      |
| 0°-90°    | 460.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 460.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 321 | 321   | 321 | 321   | 321 |      |
| 5°  | 315 | 316   | 316 | 316   | 317 | 30   |
| 15° | 272 | 272   | 274 | 274   | 276 | 76   |
| 25° | 204 | 206   | 210 | 213   | 215 | 93   |
| 35° | 140 | 142   | 147 | 150   | 152 | 88   |
| 45° | 91  | 94    | 98  | 99    | 100 | 71   |
| 55° | 56  | 57    | 59  | 58    | 58  | 51   |
| 65° | 27  | 29    | 31  | 30    | 28  | 28   |
| 75° | 9   | 9     | 9   | 7     | 7   | 10   |
| 85° | 1   | 1     | 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°    | 321.3 | 321.3 | 321.3 | 321.3 | 321.3 |
| 1°    | 320.8 | 321.3 | 321.9 | 320.8 | 321.3 |
| 2°    | 320.2 | 320.8 | 320.8 | 320.2 | 321.3 |
| 3°    | 319.0 | 319.6 | 319.6 | 319.0 | 320.2 |
| 4°    | 317.3 | 317.9 | 317.9 | 317.3 | 318.5 |
| 5°    | 315.0 | 315.6 | 316.2 | 315.6 | 316.8 |
| 6°    | 312.8 | 313.3 | 313.9 | 313.3 | 313.9 |
| 7°    | 309.3 | 310.5 | 310.5 | 310.5 | 311.6 |
| 8°    | 305.9 | 307.1 | 307.6 | 307.1 | 308.2 |
| 9°    | 302.5 | 303.1 | 303.6 | 303.6 | 304.8 |
| 10°   | 298.5 | 299.1 | 299.1 | 299.6 | 300.8 |
| 11°   | 293.9 | 293.9 | 295.1 | 295.1 | 296.8 |
| 12°   | 288.2 | 288.8 | 289.9 | 290.5 | 291.6 |
| 13°   | 283.1 | 283.7 | 284.8 | 285.4 | 287.1 |
| 14°   | 277.4 | 278.5 | 279.7 | 280.2 | 281.9 |
| 15°   | 271.7 | 272.2 | 274.0 | 274.5 | 276.2 |
| 17.5° | 255.7 | 256.3 | 259.1 | 260.3 | 262.0 |
| 20°   | 238.6 | 240.3 | 243.1 | 244.8 | 246.6 |
| 22.5° | 220.9 | 222.6 | 226.0 | 228.9 | 230.0 |
| 25°   | 203.8 | 206.0 | 209.5 | 212.9 | 214.6 |
| 27.5° | 186.6 | 188.9 | 192.9 | 196.3 | 198.6 |
| 30°   | 170.1 | 172.4 | 176.9 | 179.8 | 182.1 |
| 32.5° | 154.7 | 157.0 | 162.1 | 164.9 | 166.7 |
| 35°   | 139.8 | 142.1 | 147.2 | 150.1 | 151.8 |
| 37.5° | 126.7 | 129.0 | 133.6 | 136.4 | 137.5 |
| 40°   | 113.0 | 115.9 | 120.4 | 123.3 | 124.4 |
| 42.5° | 101.6 | 103.9 | 108.4 | 110.7 | 112.4 |
| 45°   | 91.3  | 93.6  | 97.6  | 99.3  | 100.4 |
| 47.5° | 82.2  | 83.3  | 86.8  | 87.3  | 88.5  |
| 50°   | 73.1  | 74.2  | 76.5  | 77.0  | 76.5  |
| 52.5° | 64.5  | 65.6  | 67.3  | 66.8  | 66.8  |
| 55°   | 56.5  | 57.1  | 59.4  | 58.2  | 57.6  |
| 57.5° | 48.5  | 49.7  | 51.9  | 50.2  | 49.7  |
| 60°   | 41.7  | 42.8  | 44.5  | 43.4  | 42.2  |
| 62.5° | 34.8  | 35.4  | 38.2  | 36.0  | 34.8  |
| 65°   | 27.4  | 29.1  | 31.4  | 29.7  | 28.5  |
| 67.5° | 20.5  | 23.4  | 25.7  | 23.4  | 22.3  |
| 70°   | 16.0  | 17.1  | 18.8  | 17.7  | 16.0  |
| 72.5° | 12.0  | 12.6  | 13.1  | 12.0  | 10.8  |
| 75°   | 9.1   | 9.1   | 8.6   | 7.4   | 6.8   |
| 77.5° | 6.3   | 6.3   | 5.1   | 3.4   | 3.4   |
| 80°   | 4.0   | 4.0   | 2.9   | 1.1   | 1.1   |
| 82.5° | 1.7   | 1.7   | 1.1   | 0.6   | 0.6   |
| 85°   | 0.6   | 0.6   | 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)