

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: P1273570

Luminaire Tested: P3A05R709830DE010 E3LDWW1H

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1273570  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R709830DE010 E3LDWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LDWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

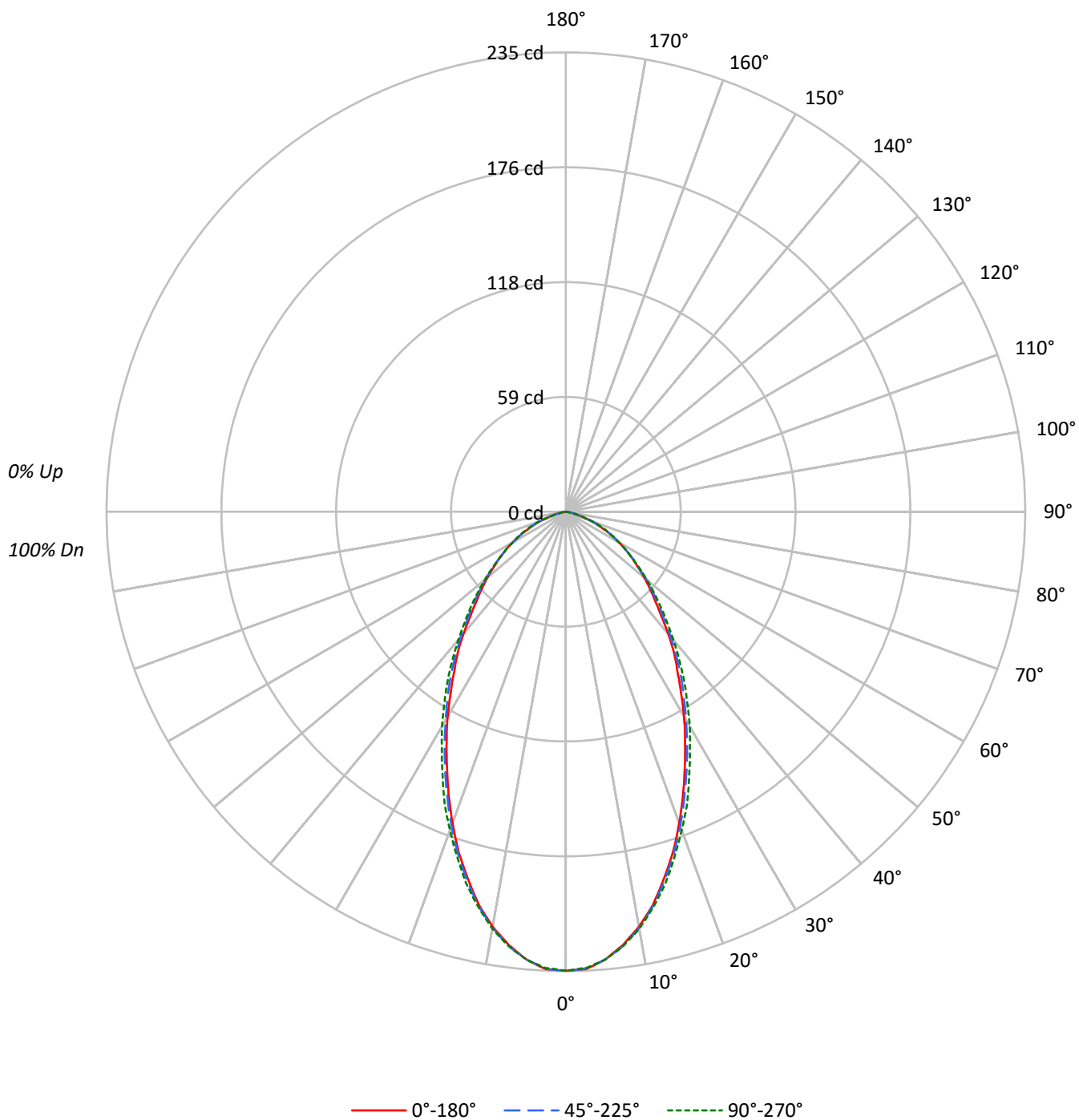
Lumens per Lamp: N/A  
Luminaire Lumens: 327.0 lumens  
Efficiency: N/A  
Efficacy: 45.4 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 97  |  | 97  | 95  | 94  |  | 94  |
| 2   | 103 | 97  | 91  | 87  | 101 | 95  | 90  | 86  | 92  | 87  | 84  |  | 88  | 85  | 82  |  | 85  |
| 3   | 96  | 87  | 81  | 75  | 94  | 86  | 80  | 75  | 83  | 78  | 73  |  | 80  | 76  | 72  |  | 78  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  |  | 73  | 68  | 64  |  | 71  |
| 5   | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  |  | 67  | 62  | 57  |  | 66  |
| 6   | 78  | 66  | 58  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  |  | 62  | 56  | 52  |  | 61  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 47  |  | 57  | 52  | 47  |  | 56  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 49  | 44  | 54  | 48  | 43  |  | 53  | 47  | 43  |  | 52  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 47  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 51487 | 51487 | 51487 |
| 5°  | 50627 | 50627 | 50627 |
| 10° | 47984 | 48118 | 48229 |
| 15° | 44064 | 44314 | 44677 |
| 20° | 39553 | 39927 | 40440 |
| 25° | 34817 | 35325 | 36099 |
| 30° | 30612 | 31144 | 32081 |
| 35° | 26635 | 27492 | 28215 |
| 40° | 23272 | 23873 | 24503 |
| 45° | 20064 | 20715 | 21243 |
| 50° | 17876 | 18251 | 18422 |
| 55° | 15751 | 15942 | 15942 |
| 60° | 13859 | 13595 | 13859 |
| 65° | 11363 | 11674 | 11934 |
| 70° | 8912  | 8912  | 9232  |
| 75° | 5931  | 5422  | 5422  |
| 80° | 3410  | 2652  | 2020  |
| 85° | 1258  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°

Vertical Angle: 45°

Luminance: 21243 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 21.5   | 6.6       |
| 10°-20°   | 54.5   | 16.7      |
| 20°-30°   | 67.2   | 20.6      |
| 30°-40°   | 64.1   | 19.6      |
| 40°-50°   | 51.8   | 15.9      |
| 50°-60°   | 37.4   | 11.4      |
| 60°-70°   | 22.4   | 6.8       |
| 70°-80°   | 7.5    | 2.3       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 143.3  | 43.8      |
| 0°-40°    | 207.4  | 63.4      |
| 0°-60°    | 296.5  | 90.7      |
| 0°-90°    | 327.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 327.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 235 | 235   | 235 | 235   | 235 |      |
| 5°  | 230 | 230   | 230 | 230   | 230 | 21   |
| 15° | 194 | 195   | 195 | 196   | 197 | 54   |
| 25° | 144 | 145   | 146 | 148   | 149 | 66   |
| 35° | 100 | 100   | 103 | 105   | 105 | 63   |
| 45° | 65  | 66    | 67  | 68    | 68  | 50   |
| 55° | 41  | 41    | 42  | 42    | 42  | 37   |
| 65° | 22  | 22    | 22  | 23    | 23  | 22   |
| 75° | 7   | 7     | 6   | 6     | 6   | 8    |
| 85° | 0   | 0     | 0   | 0     | 0   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 234.8 | 234.8 | 234.8 | 234.8 | 234.8 | 234.8 | 234.8 | 234.8 | 234.8 | 234.8 | 234.8 |
| 2°    | 234.2 | 234.2 | 234.2 | 234.2 | 234.2 | 234.2 | 234.2 | 234.2 | 234.2 | 234.2 | 233.7 |
| 2.5°  | 234.2 | 233.7 | 233.7 | 233.7 | 233.7 | 233.7 | 233.7 | 233.7 | 233.7 | 234.2 | 233.7 |
| 5°    | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.0 | 230.5 | 230.0 | 230.0 |
| 7.5°  | 223.5 | 223.5 | 223.5 | 223.5 | 224.1 | 224.1 | 224.1 | 224.1 | 224.6 | 224.6 | 224.1 |
| 10°   | 215.5 | 215.5 | 215.5 | 215.5 | 216.1 | 216.1 | 216.6 | 216.1 | 216.1 | 216.6 | 216.6 |
| 12.5° | 205.9 | 205.4 | 205.4 | 205.4 | 205.9 | 206.4 | 206.4 | 206.4 | 207.0 | 207.0 | 207.0 |
| 15°   | 194.1 | 194.1 | 194.1 | 194.7 | 194.7 | 195.2 | 195.7 | 195.7 | 196.3 | 196.3 | 196.8 |
| 17.5° | 182.4 | 182.4 | 181.8 | 182.4 | 182.9 | 183.4 | 184.0 | 184.5 | 185.0 | 185.0 | 185.0 |
| 20°   | 169.5 | 169.0 | 169.5 | 170.1 | 170.6 | 171.1 | 171.7 | 172.7 | 173.3 | 173.3 | 173.3 |
| 22.5° | 156.7 | 156.2 | 156.7 | 157.2 | 157.8 | 158.3 | 159.9 | 160.4 | 161.0 | 161.0 | 162.0 |
| 25°   | 143.9 | 143.9 | 144.4 | 144.9 | 145.5 | 146.0 | 147.1 | 148.1 | 148.7 | 149.2 | 149.2 |
| 27.5° | 132.1 | 132.1 | 132.1 | 132.1 | 133.2 | 134.2 | 135.3 | 136.4 | 136.9 | 137.4 | 137.4 |
| 30°   | 120.9 | 120.3 | 120.3 | 120.9 | 121.9 | 123.0 | 124.1 | 125.1 | 125.7 | 126.2 | 126.7 |
| 32.5° | 109.6 | 109.6 | 109.6 | 110.2 | 110.7 | 112.3 | 113.4 | 113.9 | 115.0 | 115.5 | 115.5 |
| 35°   | 99.5  | 99.5  | 99.5  | 100.5 | 101.6 | 102.7 | 103.2 | 104.3 | 105.4 | 105.4 | 105.4 |
| 37.5° | 90.9  | 91.4  | 92.5  | 92.0  | 92.0  | 92.5  | 93.1  | 94.1  | 95.2  | 95.2  | 95.2  |
| 40°   | 81.3  | 81.8  | 82.4  | 81.8  | 82.4  | 83.4  | 84.0  | 84.5  | 85.0  | 85.6  | 85.6  |
| 42.5° | 72.2  | 72.2  | 72.2  | 72.7  | 73.8  | 74.3  | 75.4  | 75.9  | 76.5  | 76.5  | 76.5  |
| 45°   | 64.7  | 64.7  | 65.2  | 65.8  | 66.3  | 66.8  | 67.4  | 67.9  | 68.5  | 68.5  | 68.5  |
| 47.5° | 58.3  | 58.3  | 58.8  | 58.8  | 59.4  | 59.9  | 60.4  | 60.4  | 61.0  | 61.5  | 61.0  |
| 50°   | 52.4  | 52.4  | 52.4  | 52.9  | 52.9  | 53.5  | 53.5  | 54.0  | 54.0  | 54.0  | 54.0  |
| 52.5° | 46.5  | 46.5  | 46.5  | 46.5  | 47.1  | 47.1  | 47.1  | 47.6  | 47.6  | 47.6  | 47.6  |
| 55°   | 41.2  | 41.2  | 41.2  | 41.2  | 41.2  | 41.7  | 41.7  | 41.7  | 41.7  | 41.7  | 41.7  |
| 57.5° | 36.4  | 36.4  | 36.4  | 36.4  | 36.4  | 36.4  | 36.4  | 36.4  | 36.4  | 36.4  | 36.4  |
| 60°   | 31.6  | 31.6  | 31.6  | 31.6  | 31.6  | 31.0  | 31.6  | 31.6  | 31.6  | 31.6  | 31.6  |
| 62.5° | 26.7  | 26.7  | 26.7  | 26.7  | 26.7  | 26.7  | 26.7  | 27.3  | 27.3  | 27.3  | 27.3  |
| 65°   | 21.9  | 22.5  | 22.5  | 22.5  | 22.5  | 22.5  | 22.5  | 23.0  | 23.0  | 23.0  | 23.0  |
| 67.5° | 17.6  | 18.2  | 18.2  | 18.2  | 18.2  | 18.2  | 18.2  | 18.2  | 18.7  | 18.7  | 18.7  |
| 70°   | 13.9  | 13.9  | 13.9  | 13.9  | 13.9  | 13.9  | 13.9  | 13.9  | 13.9  | 13.9  | 14.4  |
| 72.5° | 9.6   | 9.6   | 9.6   | 9.6   | 9.6   | 9.6   | 9.6   | 9.6   | 10.2  | 10.2  | 10.2  |
| 75°   | 7.0   | 7.0   | 7.0   | 7.0   | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   |
| 77.5° | 4.8   | 4.8   | 4.8   | 4.3   | 4.3   | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   | 3.2   |
| 80°   | 2.7   | 2.7   | 2.7   | 2.7   | 2.7   | 2.1   | 2.1   | 1.6   | 1.6   | 1.6   | 1.6   |
| 82.5° | 1.6   | 1.6   | 1.6   | 1.1   | 1.1   | 1.1   | 1.1   | 0.5   | 0.5   | 0.5   | 0.5   |
| 85°   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)