

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: P1271402

Luminaire Tested: P3AS05R559827DE010 E3DL1H

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1271402  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R559827DE010 E3DL1H  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3DL1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

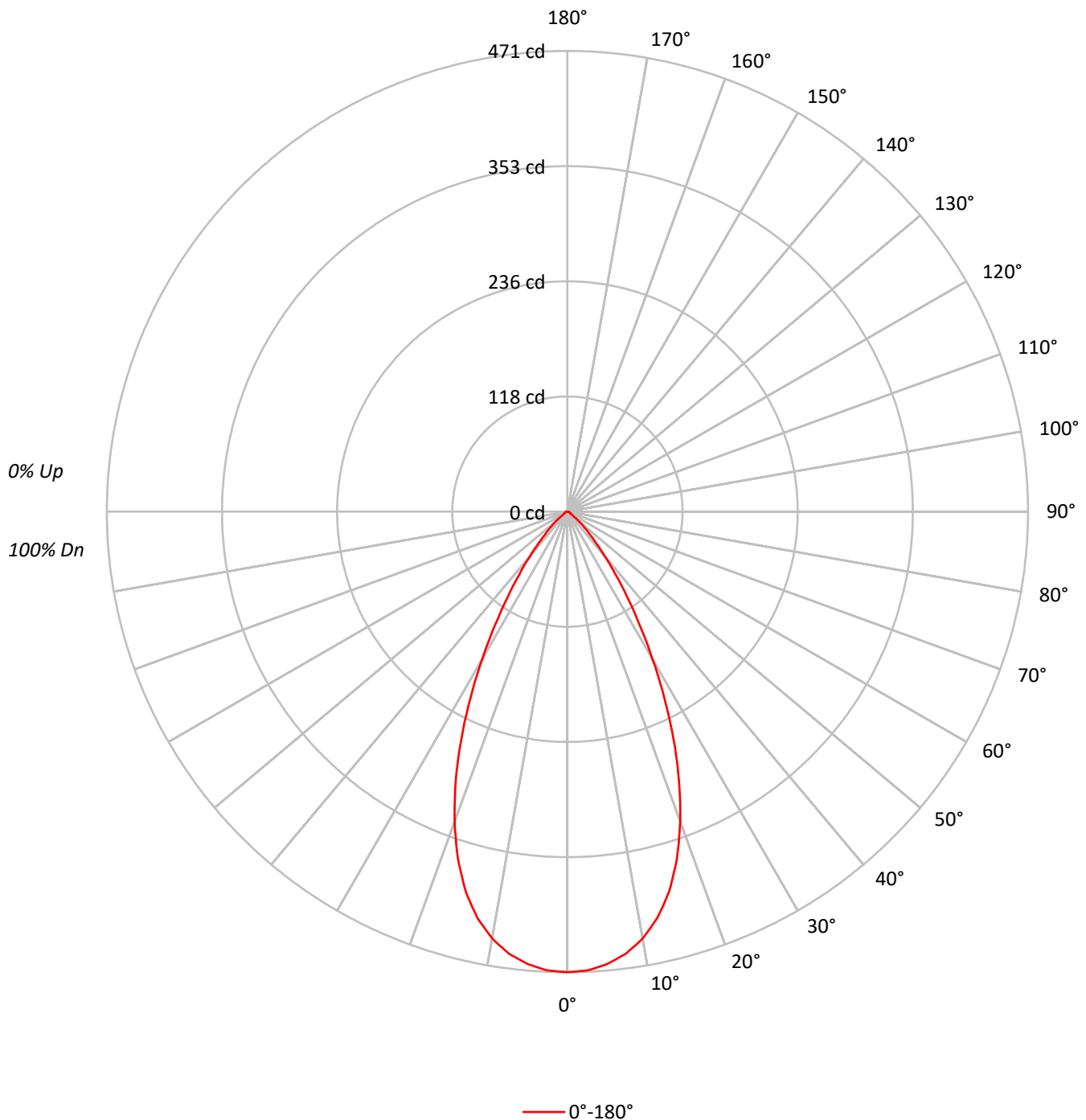
Lumens per Lamp: N/A  
Luminaire Lumens: 376.0 lumens  
Efficiency: N/A  
Efficacy: 52.2 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 103237 |
| 5°  | 102201 |
| 10° | 98684  |
| 15° | 91238  |
| 20° | 78734  |
| 25° | 62181  |
| 30° | 44108  |
| 35° | 28429  |
| 40° | 17089  |
| 45° | 9613   |
| 50° | 5185   |
| 55° | 1835   |
| 60° | 1667   |
| 65° | 1608   |
| 70° | 1539   |
| 75° | 1440   |
| 80° | 1263   |
| 85° | 755    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 9613 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 43.7   | 11.6      |
| 10°-20°   | 111.1  | 29.6      |
| 20°-30°   | 116.5  | 31.0      |
| 30°-40°   | 67.9   | 18.1      |
| 40°-50°   | 25.4   | 6.8       |
| 50°-60°   | 6.0    | 1.6       |
| 60°-70°   | 3.1    | 0.8       |
| 70°-80°   | 1.8    | 0.5       |
| 80°-90°   | 0.5    | 0.1       |
| 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°    | 271.3  | 72.2      |
| 0°-40°    | 339.2  | 90.2      |
| 0°-60°    | 370.6  | 98.6      |
| 0°-90°    | 376.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 376.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 471 |      |
| 5°  | 464 | 44   |
| 15° | 402 | 111  |
| 25° | 257 | 116  |
| 35° | 106 | 68   |
| 45° | 31  | 25   |
| 55° | 5   | 6    |
| 65° | 3   | 3    |
| 75° | 2   | 2    |
| 85° | 0   | 0    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 470.8 |
| 2.5°  | 469.5 |
| 5°    | 464.3 |
| 7.5°  | 456.0 |
| 10°   | 443.2 |
| 12.5° | 425.3 |
| 15°   | 401.9 |
| 17.5° | 372.2 |
| 20°   | 337.4 |
| 22.5° | 298.4 |
| 25°   | 257.0 |
| 27.5° | 214.6 |
| 30°   | 174.2 |
| 32.5° | 137.6 |
| 35°   | 106.2 |
| 37.5° | 80.7  |
| 40°   | 59.7  |
| 42.5° | 42.8  |
| 45°   | 31.0  |
| 47.5° | 22.4  |
| 50°   | 15.2  |
| 52.5° | 8.6   |
| 55°   | 4.8   |
| 57.5° | 4.1   |
| 60°   | 3.8   |
| 62.5° | 3.4   |
| 65°   | 3.1   |
| 67.5° | 2.8   |
| 70°   | 2.4   |
| 72.5° | 2.1   |
| 75°   | 1.7   |
| 77.5° | 1.4   |
| 80°   | 1.0   |
| 82.5° | 0.7   |
| 85°   | 0.3   |
| 87.5° | 0.3   |
| 90°   | 0.0   |

(END OF REPORT)