

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: P1247645

Luminaire Tested: P3AS20R359024D010 E3DL1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247645  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R359024D010 E3DL1WMH  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

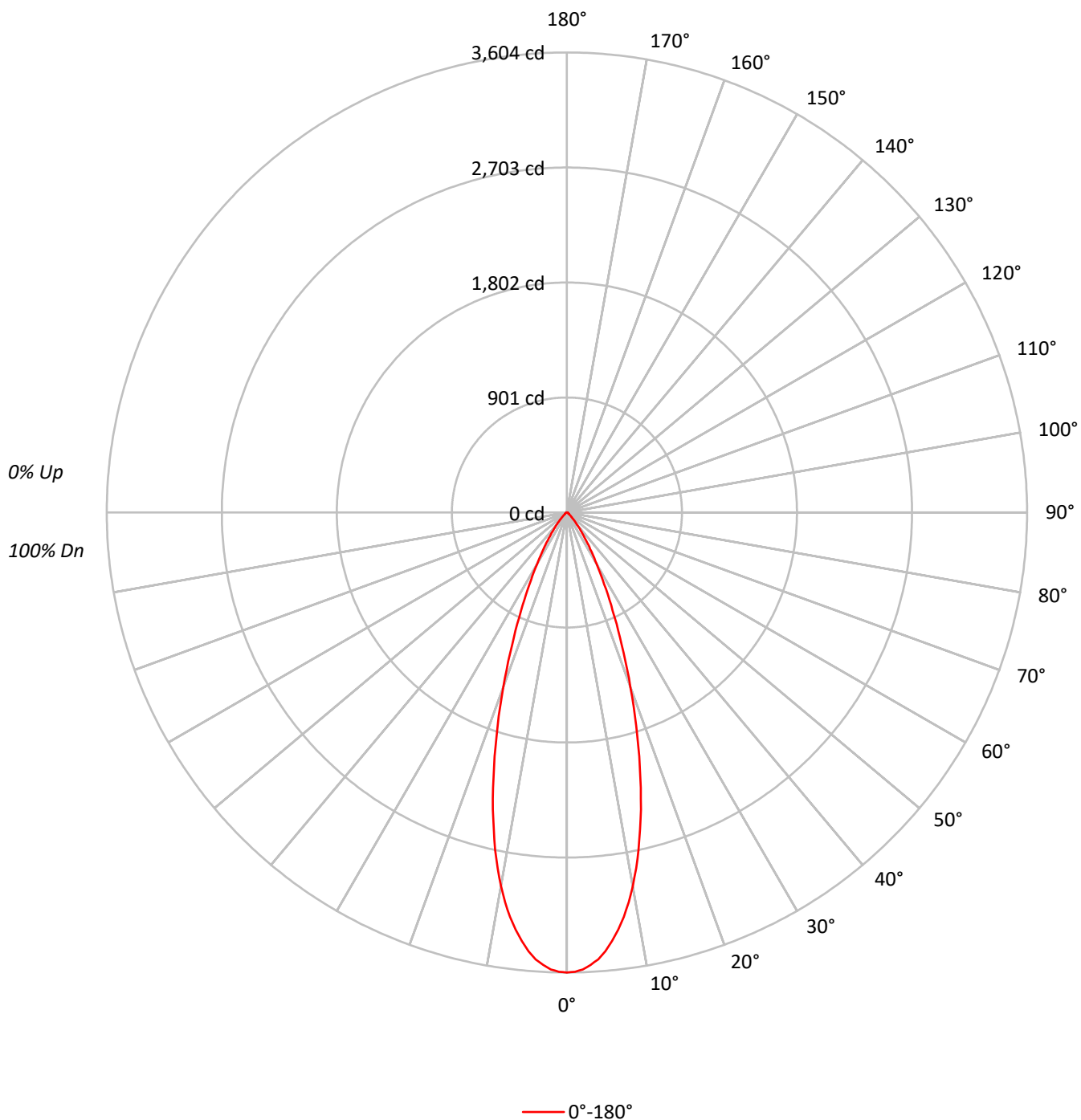
Lumens per Lamp: N/A  
Luminaire Lumens: 1567.0 lumens  
Efficiency: N/A  
Efficacy: 54.4 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.58  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  |
| 4   | 100 | 94  | 89  | 85  | 99  | 93  | 88  | 85  | 91  | 87  | 84  |  | 89  | 85  | 83  |  | 87  |
| 5   | 96  | 89  | 84  | 80  | 95  | 88  | 83  | 80  | 86  | 82  | 79  |  | 85  | 81  | 78  |  | 83  |
| 6   | 92  | 85  | 80  | 76  | 91  | 84  | 79  | 76  | 83  | 78  | 75  |  | 81  | 77  | 75  |  | 80  |
| 7   | 89  | 81  | 76  | 72  | 88  | 80  | 75  | 72  | 79  | 75  | 71  |  | 78  | 74  | 71  |  | 77  |
| 8   | 85  | 77  | 72  | 69  | 84  | 77  | 72  | 68  | 76  | 71  | 68  |  | 75  | 71  | 68  |  | 74  |
| 9   | 82  | 74  | 69  | 66  | 81  | 74  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 63  | 78  | 71  | 66  | 63  | 70  | 66  | 63  |  | 69  | 65  | 62  |  | 69  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 790331 |
| 5°  | 759562 |
| 10° | 661800 |
| 15° | 506904 |
| 20° | 339133 |
| 25° | 205197 |
| 30° | 117765 |
| 35° | 65826  |
| 40° | 34980  |
| 45° | 18017  |
| 50° | 8631   |
| 55° | 6843   |
| 60° | 6535   |
| 65° | 5396   |
| 70° | 5706   |
| 75° | 5083   |
| 80° | 5683   |
| 85° | 3774   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18017 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 314.0  | 20.0      |
| 10°-20°   | 608.4  | 38.8      |
| 20°-30°   | 398.3  | 25.4      |
| 30°-40°   | 161.6  | 10.3      |
| 40°-50°   | 48.5   | 3.1       |
| 50°-60°   | 16.5   | 1.1       |
| 60°-70°   | 11.0   | 0.7       |
| 70°-80°   | 6.5    | 0.4       |
| 80°-90°   | 2.2    | 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       |
| 0°-30°    | 1320.7 | 84.3      |
| 0°-40°    | 1482.3 | 94.6      |
| 0°-60°    | 1547.2 | 98.7      |
| 0°-90°    | 1567.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1567.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3604 |      |
| 5°  | 3451 | 314  |
| 15° | 2233 | 608  |
| 25° | 848  | 398  |
| 35° | 246  | 162  |
| 45° | 58   | 48   |
| 55° | 18   | 16   |
| 65° | 10   | 11   |
| 75° | 6    | 7    |
| 85° | 2    | 2    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 3604.2 |
| 1°    | 3598.2 |
| 2°    | 3581.8 |
| 3°    | 3549.0 |
| 4°    | 3510.3 |
| 5°    | 3450.7 |
| 6°    | 3376.1 |
| 7°    | 3292.7 |
| 8°    | 3198.7 |
| 9°    | 3091.4 |
| 10°   | 2972.2 |
| 11°   | 2839.5 |
| 12°   | 2700.9 |
| 13°   | 2545.9 |
| 14°   | 2398.3 |
| 15°   | 2232.9 |
| 17.5° | 1831.9 |
| 20°   | 1453.3 |
| 22.5° | 1117.9 |
| 25°   | 848.1  |
| 27.5° | 632.0  |
| 30°   | 465.1  |
| 32.5° | 341.3  |
| 35°   | 245.9  |
| 37.5° | 174.4  |
| 40°   | 122.2  |
| 42.5° | 85.0   |
| 45°   | 58.1   |
| 47.5° | 38.8   |
| 50°   | 25.3   |
| 52.5° | 19.4   |
| 55°   | 17.9   |
| 57.5° | 16.4   |
| 60°   | 14.9   |
| 62.5° | 13.4   |
| 65°   | 10.4   |
| 67.5° | 8.9    |
| 70°   | 8.9    |
| 72.5° | 7.5    |
| 75°   | 6.0    |
| 77.5° | 4.5    |
| 80°   | 4.5    |
| 82.5° | 3.0    |
| 85°   | 1.5    |
| 87.5° | 1.5    |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)