

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: P1249976

Luminaire Tested: P3AS20R309027D010 E3DL1LI

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1249976  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R309027D010 E3DL1LI  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3DL1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

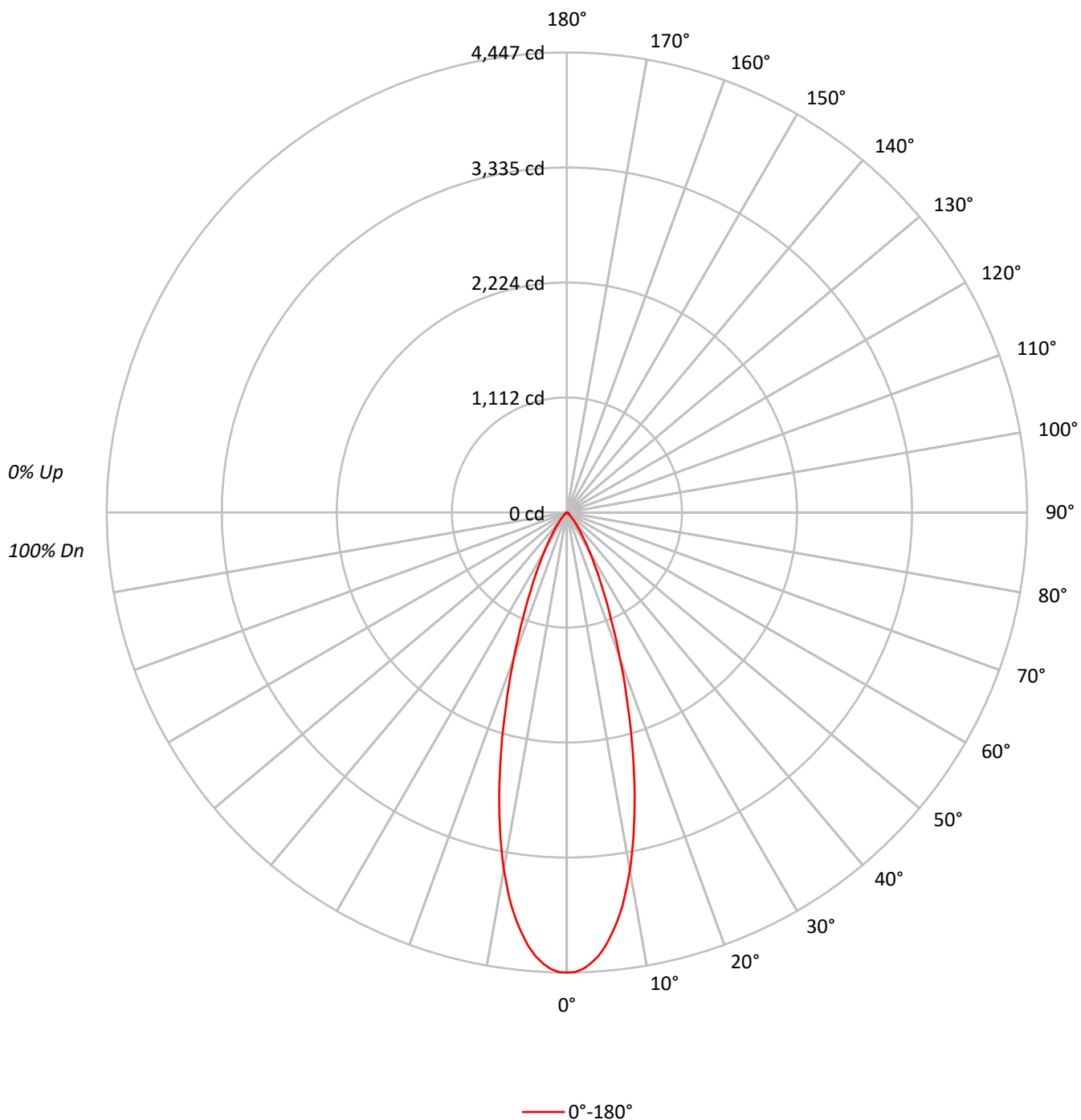
Lumens per Lamp: N/A  
Luminaire Lumens: 1671.0 lumens  
Efficiency: N/A  
Efficacy: 58.0 lumens/watt  
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  |
| 2   | 110 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 98  | 96  |  | 98  | 96  | 94  |  | 95  |
| 3   | 105 | 100 | 96  | 92  | 103 | 98  | 95  | 91  | 96  | 93  | 90  |  | 94  | 91  | 89  |  | 91  |
| 4   | 101 | 95  | 90  | 87  | 99  | 94  | 89  | 86  | 92  | 88  | 85  |  | 90  | 87  | 84  |  | 88  |
| 5   | 97  | 90  | 85  | 82  | 96  | 89  | 85  | 81  | 88  | 84  | 81  |  | 86  | 83  | 80  |  | 85  |
| 6   | 94  | 86  | 81  | 78  | 92  | 85  | 81  | 77  | 84  | 80  | 77  |  | 83  | 79  | 76  |  | 81  |
| 7   | 90  | 82  | 77  | 74  | 89  | 82  | 77  | 74  | 81  | 76  | 73  |  | 80  | 76  | 73  |  | 79  |
| 8   | 87  | 79  | 74  | 71  | 86  | 79  | 74  | 71  | 78  | 73  | 70  |  | 77  | 73  | 70  |  | 76  |
| 9   | 84  | 76  | 71  | 68  | 83  | 75  | 71  | 68  | 75  | 70  | 67  |  | 74  | 70  | 67  |  | 73  |
| 10  | 81  | 73  | 68  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 975075 |
| 5°  | 928085 |
| 10° | 780636 |
| 15° | 562977 |
| 20° | 349190 |
| 25° | 198592 |
| 30° | 110321 |
| 35° | 60017  |
| 40° | 31631  |
| 45° | 17118  |
| 50° | 9143   |
| 55° | 6040   |
| 60° | 5526   |
| 65° | 5707   |
| 70° | 5065   |
| 75° | 3982   |
| 80° | 4041   |
| 85° | 4026   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17118 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 379.6  | 22.7      |
| 10°-20°   | 674.9  | 40.4      |
| 20°-30°   | 390.0  | 23.3      |
| 30°-40°   | 148.0  | 8.9       |
| 40°-50°   | 45.4   | 2.7       |
| 50°-60°   | 15.3   | 0.9       |
| 60°-70°   | 10.3   | 0.6       |
| 70°-80°   | 5.6    | 0.3       |
| 80°-90°   | 1.7    | 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°    | 1444.5 | 86.5      |
| 0°-40°    | 1592.6 | 95.3      |
| 0°-60°    | 1653.3 | 98.9      |
| 0°-90°    | 1671.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1671.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4447 |      |
| 5°  | 4216 | 380  |
| 15° | 2480 | 675  |
| 25° | 821  | 390  |
| 35° | 224  | 148  |
| 45° | 55   | 45   |
| 55° | 16   | 15   |
| 65° | 11   | 10   |
| 75° | 5    | 6    |
| 85° | 2    | 2    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 4446.7 |
| 1°    | 4443.6 |
| 2°    | 4416.7 |
| 3°    | 4366.2 |
| 4°    | 4303.1 |
| 5°    | 4216.3 |
| 6°    | 4105.8 |
| 7°    | 3982.6 |
| 8°    | 3845.3 |
| 9°    | 3681.1 |
| 10°   | 3505.9 |
| 11°   | 3316.5 |
| 12°   | 3116.0 |
| 13°   | 2906.1 |
| 14°   | 2693.0 |
| 15°   | 2479.9 |
| 17.5° | 1955.8 |
| 20°   | 1496.4 |
| 22.5° | 1109.7 |
| 25°   | 820.8  |
| 27.5° | 596.7  |
| 30°   | 435.7  |
| 32.5° | 314.1  |
| 35°   | 224.2  |
| 37.5° | 156.3  |
| 40°   | 110.5  |
| 42.5° | 77.3   |
| 45°   | 55.2   |
| 47.5° | 37.9   |
| 50°   | 26.8   |
| 52.5° | 18.9   |
| 55°   | 15.8   |
| 57.5° | 14.2   |
| 60°   | 12.6   |
| 62.5° | 11.0   |
| 65°   | 11.0   |
| 67.5° | 9.5    |
| 70°   | 7.9    |
| 72.5° | 6.3    |
| 75°   | 4.7    |
| 77.5° | 4.7    |
| 80°   | 3.2    |
| 82.5° | 3.2    |
| 85°   | 1.6    |
| 87.5° | 0.0    |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)