

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: P1274822

Luminaire Tested: P3AS20R509830D010 E3DL1GPH

Issue Date: 1/30/2026

**Test Information**

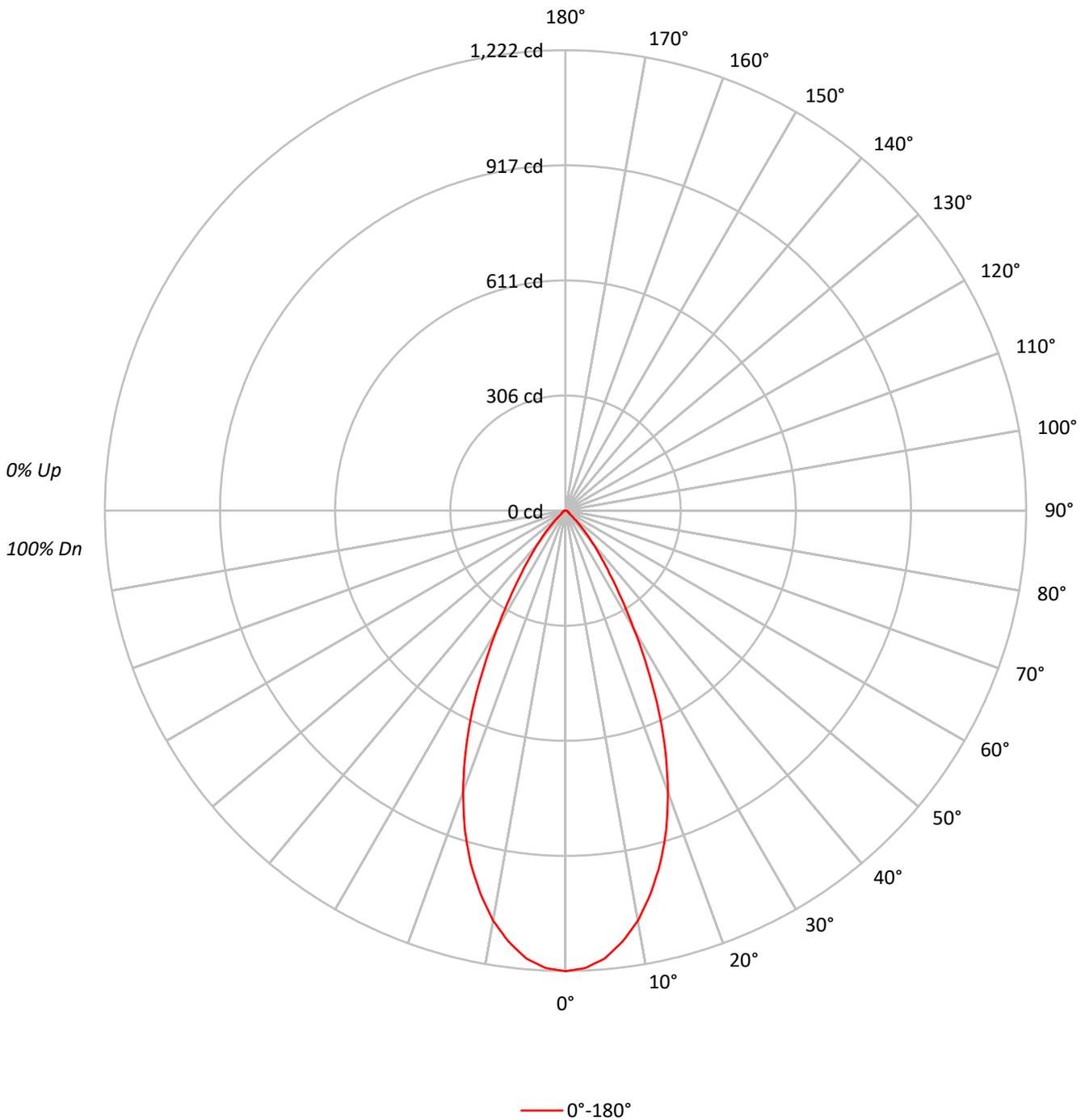
Test Method: LM-79-2019  
Report Number: P1274822  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R509830D010 E3DL1GPH  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3DL1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 842.0 lumens  
Efficiency: N/A  
Efficacy: 30.7 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.4  
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  |     |    | 0  |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    | 100 |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 94  |    |    | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 87  |    |    | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 84  | 88  | 85  | 83  | 82  |    |    | 82  |
| 4   | 98  | 91  | 85  | 81  | 96  | 90  | 85  | 81  | 87  | 83  | 80  | 85  | 82  | 79  | 84  | 80  | 78  | 76  |    |    | 76  |
| 5   | 93  | 85  | 80  | 75  | 92  | 84  | 79  | 75  | 83  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 72  |    |    | 72  |
| 6   | 89  | 80  | 75  | 71  | 88  | 80  | 74  | 70  | 78  | 73  | 70  | 77  | 73  | 69  | 75  | 72  | 69  | 67  |    |    | 67  |
| 7   | 85  | 76  | 70  | 66  | 84  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 64  |    |    | 64  |
| 8   | 81  | 72  | 66  | 62  | 80  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 62  | 68  | 64  | 61  | 60  |    |    | 60  |
| 9   | 78  | 68  | 63  | 59  | 76  | 68  | 62  | 59  | 67  | 62  | 59  | 66  | 62  | 58  | 65  | 61  | 58  | 57  |    |    | 57  |
| 10  | 74  | 65  | 59  | 56  | 73  | 65  | 59  | 56  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 55  | 54  |    |    | 54  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 268071 |
| 5°  | 262667 |
| 10° | 246043 |
| 15° | 220251 |
| 20° | 185353 |
| 25° | 141468 |
| 30° | 91938  |
| 35° | 54502  |
| 40° | 31516  |
| 45° | 15785  |
| 50° | 5868   |
| 55° | 4588   |
| 60° | 4254   |
| 65° | 3891   |
| 70° | 3847   |
| 75° | 3813   |
| 80° | 3788   |
| 85° | 3774   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15785 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 111.0  | 13.2      |
| 10°-20°   | 268.3  | 31.9      |
| 20°-30°   | 263.2  | 31.3      |
| 30°-40°   | 132.6  | 15.8      |
| 40°-50°   | 41.9   | 5.0       |
| 50°-60°   | 10.9   | 1.3       |
| 60°-70°   | 7.7    | 0.9       |
| 70°-80°   | 4.7    | 0.6       |
| 80°-90°   | 1.6    | 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       |
| 0°-30°    | 642.6  | 76.3      |
| 0°-40°    | 775.2  | 92.1      |
| 0°-60°    | 828.0  | 98.3      |
| 0°-90°    | 842.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 842.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1222 |      |
| 5°  | 1193 | 111  |
| 15° | 970  | 268  |
| 25° | 585  | 263  |
| 35° | 204  | 133  |
| 45° | 51   | 42   |
| 55° | 12   | 11   |
| 65° | 8    | 8    |
| 75° | 4    | 5    |
| 85° | 2    | 2    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1222.5 |
| 2.5°  | 1215.0 |
| 5°    | 1193.3 |
| 7.5°  | 1154.4 |
| 10°   | 1105.0 |
| 12.5° | 1041.4 |
| 15°   | 970.2  |
| 17.5° | 887.9  |
| 20°   | 794.3  |
| 22.5° | 693.2  |
| 25°   | 584.7  |
| 27.5° | 469.4  |
| 30°   | 363.1  |
| 32.5° | 273.3  |
| 35°   | 203.6  |
| 37.5° | 150.5  |
| 40°   | 110.1  |
| 42.5° | 77.9   |
| 45°   | 50.9   |
| 47.5° | 29.2   |
| 50°   | 17.2   |
| 52.5° | 12.7   |
| 55°   | 12.0   |
| 57.5° | 10.5   |
| 60°   | 9.7    |
| 62.5° | 9.0    |
| 65°   | 7.5    |
| 67.5° | 6.7    |
| 70°   | 6.0    |
| 72.5° | 5.2    |
| 75°   | 4.5    |
| 77.5° | 3.7    |
| 80°   | 3.0    |
| 82.5° | 2.2    |
| 85°   | 1.5    |
| 87.5° | 0.7    |
| 90°   | 0.0    |

(END OF REPORT)