

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: P1251122

Luminaire Tested: P3AS05R209030DE010 E3DL1MW

Issue Date: 1/30/2026

**Test Information**

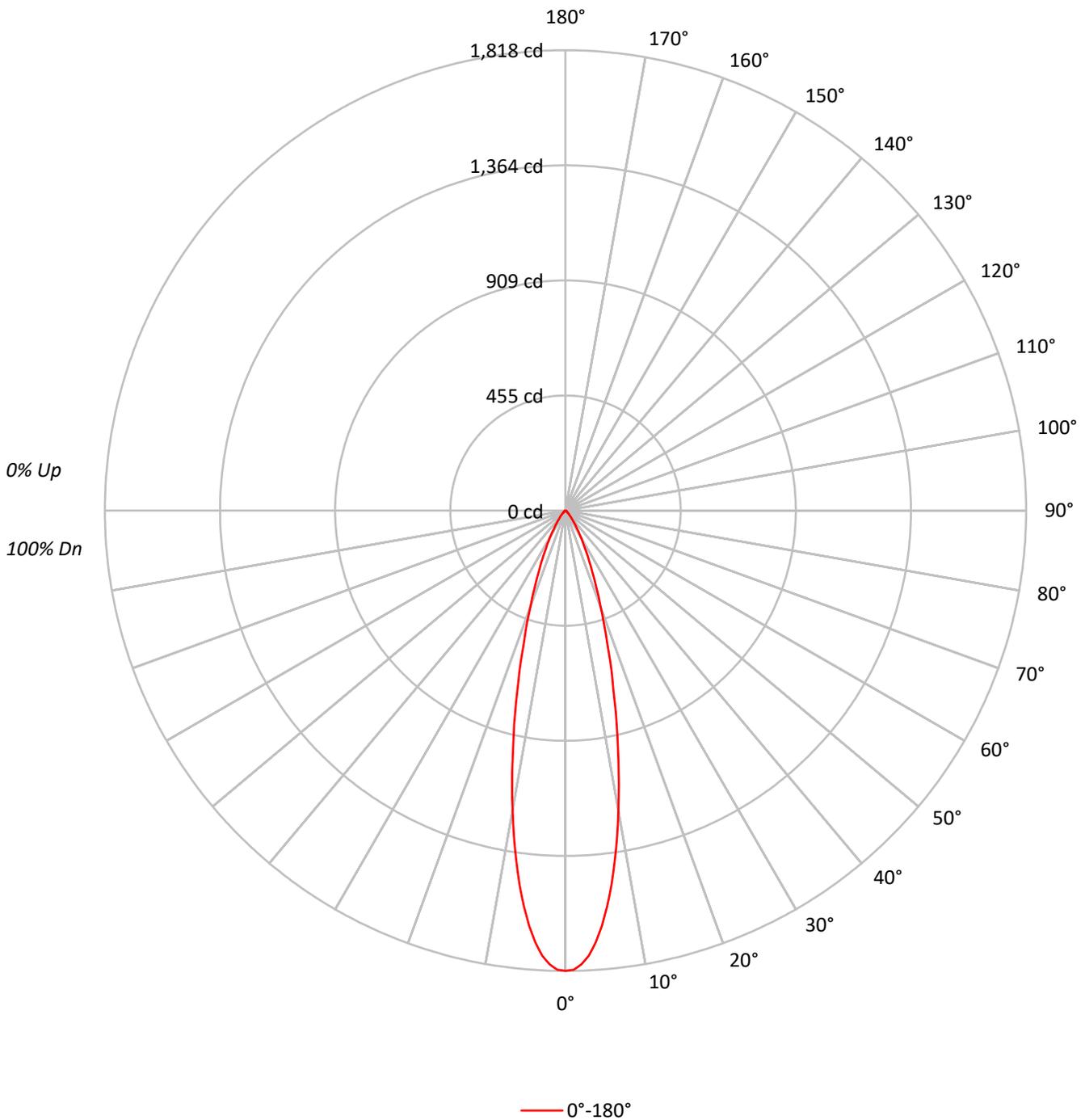
Test Method: LM-79-2019  
Report Number: P1251122  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R209030DE010 E3DL1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 518.0 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46  
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  |     | 0  |    |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 95  |    |    |
| 2   | 110 | 106 | 102 | 100 | 108 | 104 | 101 | 98  | 101 | 98  | 96  | 98  | 96  | 94  | 95  | 94  | 92  | 91  |    |    |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 97  | 93  | 91  | 94  | 92  | 89  | 92  | 90  | 88  | 87  |    |    |
| 4   | 102 | 96  | 91  | 88  | 100 | 95  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 85  | 89  | 86  | 84  | 83  |    |    |
| 5   | 98  | 91  | 87  | 83  | 97  | 90  | 86  | 83  | 89  | 85  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 79  |    |    |
| 6   | 95  | 87  | 83  | 79  | 93  | 87  | 82  | 79  | 85  | 81  | 78  | 84  | 81  | 78  | 83  | 80  | 77  | 76  |    |    |
| 7   | 91  | 84  | 79  | 76  | 90  | 83  | 79  | 76  | 82  | 78  | 75  | 81  | 78  | 75  | 80  | 77  | 75  | 73  |    |    |
| 8   | 88  | 81  | 76  | 73  | 87  | 80  | 76  | 73  | 79  | 75  | 72  | 78  | 75  | 72  | 78  | 74  | 72  | 71  |    |    |
| 9   | 85  | 78  | 73  | 70  | 85  | 77  | 73  | 70  | 77  | 73  | 70  | 76  | 72  | 69  | 75  | 72  | 69  | 68  |    |    |
| 10  | 83  | 75  | 71  | 68  | 82  | 75  | 70  | 67  | 74  | 70  | 67  | 73  | 70  | 67  | 73  | 69  | 67  | 66  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 398543 |
| 5°  | 362293 |
| 10° | 267753 |
| 15° | 165631 |
| 20° | 94578  |
| 25° | 54003  |
| 30° | 30283  |
| 35° | 16490  |
| 40° | 9017   |
| 45° | 4962   |
| 50° | 2900   |
| 55° | 2103   |
| 60° | 1974   |
| 65° | 1816   |
| 70° | 1603   |
| 75° | 1694   |
| 80° | 1263   |
| 85° | 1258   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4962 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 142.5  | 27.5      |
| 10°-20°   | 203.5  | 39.3      |
| 20°-30°   | 106.2  | 20.5      |
| 30°-40°   | 41.1   | 7.9       |
| 40°-50°   | 13.3   | 2.6       |
| 50°-60°   | 5.2    | 1.0       |
| 60°-70°   | 3.5    | 0.7       |
| 70°-80°   | 2.0    | 0.4       |
| 80°-90°   | 0.7    | 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       |
| 0°-30°    | 452.2  | 87.3      |
| 0°-40°    | 493.2  | 95.2      |
| 0°-60°    | 511.8  | 98.8      |
| 0°-90°    | 518.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 518.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1818 |      |
| 5°  | 1646 | 143  |
| 15° | 730  | 203  |
| 25° | 223  | 106  |
| 35° | 62   | 41   |
| 45° | 16   | 13   |
| 55° | 6    | 5    |
| 65° | 4    | 3    |
| 75° | 2    | 2    |
| 85° | 0    | 1    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1817.5 |
| 1°    | 1814.0 |
| 2°    | 1792.5 |
| 3°    | 1759.4 |
| 4°    | 1708.4 |
| 5°    | 1645.9 |
| 6°    | 1571.8 |
| 7°    | 1489.7 |
| 8°    | 1394.6 |
| 9°    | 1302.1 |
| 10°   | 1202.5 |
| 12.5° | 955.8  |
| 15°   | 729.6  |
| 17.5° | 545.9  |
| 20°   | 405.3  |
| 22.5° | 300.2  |
| 25°   | 223.2  |
| 27.5° | 164.6  |
| 30°   | 119.6  |
| 32.5° | 86.6   |
| 35°   | 61.6   |
| 37.5° | 44.5   |
| 40°   | 31.5   |
| 42.5° | 22.5   |
| 45°   | 16.0   |
| 47.5° | 11.5   |
| 50°   | 8.5    |
| 52.5° | 6.5    |
| 55°   | 5.5    |
| 57.5° | 5.0    |
| 60°   | 4.5    |
| 62.5° | 4.0    |
| 65°   | 3.5    |
| 67.5° | 3.0    |
| 70°   | 2.5    |
| 72.5° | 2.5    |
| 75°   | 2.0    |
| 77.5° | 1.5    |
| 80°   | 1.0    |
| 82.5° | 1.0    |
| 85°   | 0.5    |
| 87.5° | 0.5    |
| 90°   | 0.0    |

(END OF REPORT)