

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: P1302989

Luminaire Tested: P3RT09R109024DE010 E3PHUS1MMS

Issue Date: 1/30/2026

**Test Information**

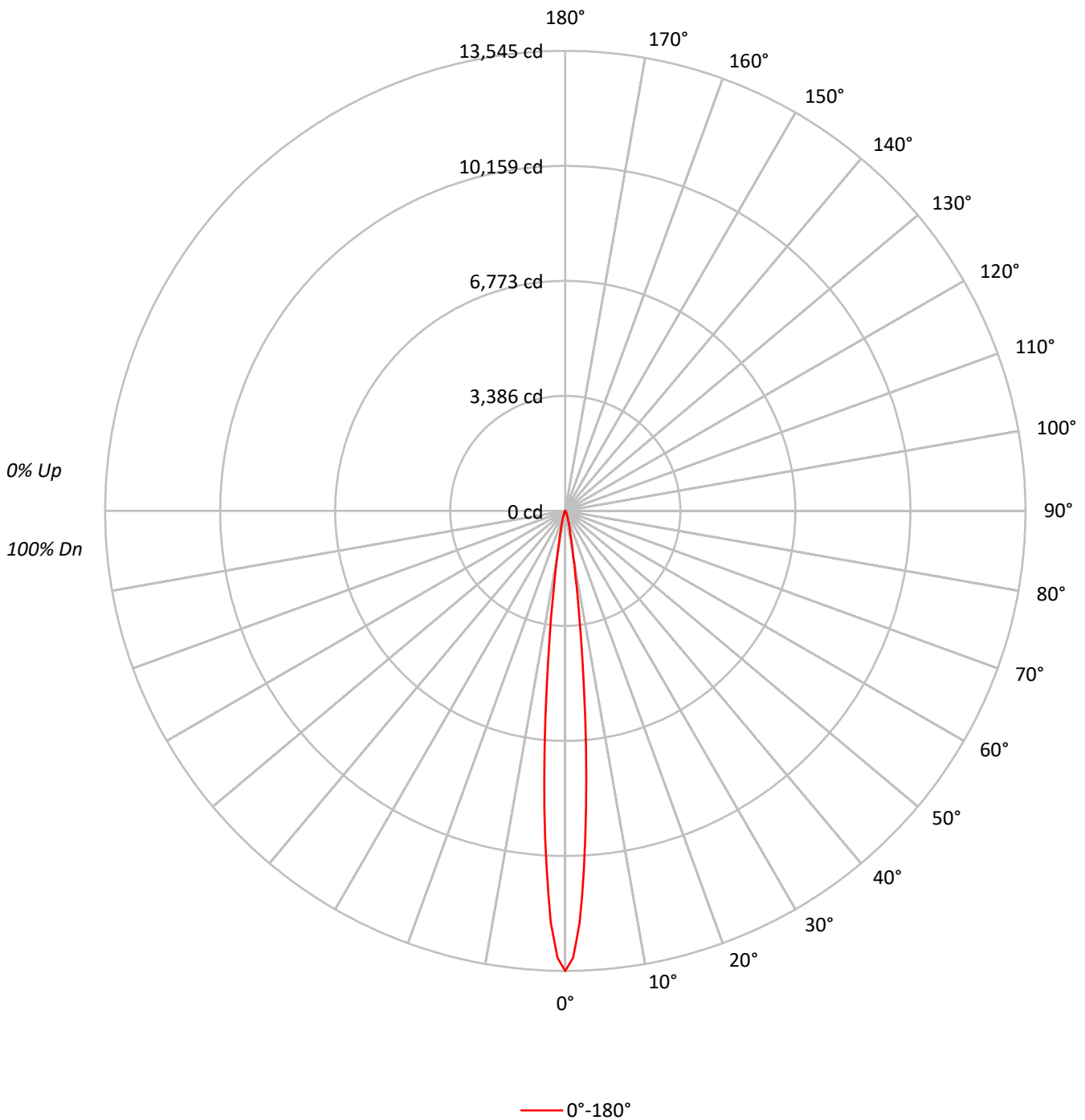
Test Method: LM-79-2019  
Report Number: P1302989  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3RT09R109024DE010 E3PHUS1MMS  
Description: 3in Adjustable LED luminaire with, R10 optic, 2400K CCT AND, 90CRI , E3PHUS1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 656.0 lumens  
Efficiency: N/A  
Efficacy: 52.5 lumens/watt  
Spacing Criteria (0/90/45): 0.18 / 0.18 / 0.18  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 12.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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 | 100 | 100 |
| 1   | 116 | 114 | 113 | 111 | 114 | 112 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 101 | 101 | 100 | 99  | 99  | 99  | 99  |
| 2   | 113 | 110 | 108 | 106 | 111 | 109 | 107 | 105 | 106 | 104 | 103 | 103 | 102 | 101 | 100 | 99  | 98  | 98  | 98  | 98  | 97  |
| 3   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 104 | 102 | 100 | 101 | 100 | 98  | 99  | 98  | 97  | 97  | 97  | 97  | 96  |
| 4   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 99  | 102 | 99  | 98  | 100 | 98  | 97  | 98  | 97  | 96  | 96  | 96  | 96  | 95  |
| 5   | 107 | 102 | 99  | 97  | 105 | 101 | 99  | 97  | 100 | 98  | 96  | 99  | 97  | 95  | 97  | 96  | 94  | 94  | 94  | 94  | 93  |
| 6   | 105 | 100 | 97  | 95  | 104 | 100 | 97  | 95  | 98  | 96  | 94  | 97  | 95  | 94  | 96  | 95  | 93  | 93  | 93  | 93  | 92  |
| 7   | 103 | 99  | 96  | 93  | 102 | 98  | 95  | 93  | 97  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 92  | 92  | 92  | 92  | 91  |
| 8   | 102 | 97  | 94  | 92  | 101 | 97  | 94  | 92  | 96  | 93  | 92  | 95  | 93  | 91  | 94  | 92  | 91  | 91  | 91  | 91  | 90  |
| 9   | 100 | 96  | 93  | 91  | 100 | 95  | 93  | 91  | 95  | 92  | 90  | 94  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 90  | 89  |
| 10  | 99  | 94  | 92  | 90  | 98  | 94  | 91  | 90  | 94  | 91  | 89  | 93  | 91  | 89  | 92  | 91  | 89  | 89  | 89  | 89  | 88  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 2970244 |
| 5°  | 1534445 |
| 10° | 301553  |
| 15° | 94938   |
| 20° | 41467   |
| 25° | 18340   |
| 30° | 9875    |
| 35° | 5220    |
| 40° | 1861    |
| 45° | 682     |
| 50° | 0       |
| 55° | 0       |
| 60° | 0       |
| 65° | 0       |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 47.5°  
 Luminance: 714 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 468.9  | 71.5      |
| 10°-20°   | 133.3  | 20.3      |
| 20°-30°   | 38.9   | 5.9       |
| 30°-40°   | 12.7   | 1.9       |
| 40°-50°   | 2.3    | 0.3       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 641.0  | 97.7      |
| 0°-40°    | 653.8  | 99.7      |
| 0°-60°    | 656.0  | 100.0     |
| 0°-90°    | 656.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 656.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 13545 |      |
| 5°  | 6971  | 469  |
| 15° | 418   | 133  |
| 25° | 76    | 39   |
| 35° | 20    | 13   |
| 45° | 2     | 2    |
| 55° | 0     | 0    |
| 65° | 0     | 0    |
| 75° | 0     | 0    |
| 85° | 0     | 0    |
| 90° | 0     |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 13545.4 |
| 1°    | 13155.3 |
| 2°    | 12134.7 |
| 3°    | 10533.4 |
| 4°    | 8782.5  |
| 5°    | 6971.0  |
| 6°    | 5256.9  |
| 7°    | 3807.3  |
| 8°    | 2678.3  |
| 9°    | 1883.0  |
| 10°   | 1354.3  |
| 11°   | 1003.3  |
| 12°   | 771.4   |
| 13°   | 619.7   |
| 14°   | 504.9   |
| 15°   | 418.2   |
| 17.5° | 277.4   |
| 20°   | 177.7   |
| 22.5° | 112.7   |
| 25°   | 75.8    |
| 27.5° | 54.2    |
| 30°   | 39.0    |
| 32.5° | 28.2    |
| 35°   | 19.5    |
| 37.5° | 13.0    |
| 40°   | 6.5     |
| 42.5° | 4.3     |
| 45°   | 2.2     |
| 47.5° | 2.2     |
| 50°   | 0.0     |
| 52.5° | 0.0     |
| 55°   | 0.0     |
| 57.5° | 0.0     |
| 60°   | 0.0     |
| 62.5° | 0.0     |
| 65°   | 0.0     |
| 67.5° | 0.0     |
| 70°   | 0.0     |
| 72.5° | 0.0     |
| 75°   | 0.0     |
| 77.5° | 0.0     |
| 80°   | 0.0     |
| 82.5° | 0.0     |
| 85°   | 0.0     |
| 87.5° | 0.0     |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)