

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: P1288091

Luminaire Tested: P3A05R20W2N902750DE010 E3CD1MMS\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1288091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R20W2N902750DE010 E3CD1MMS\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,  
E3CD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

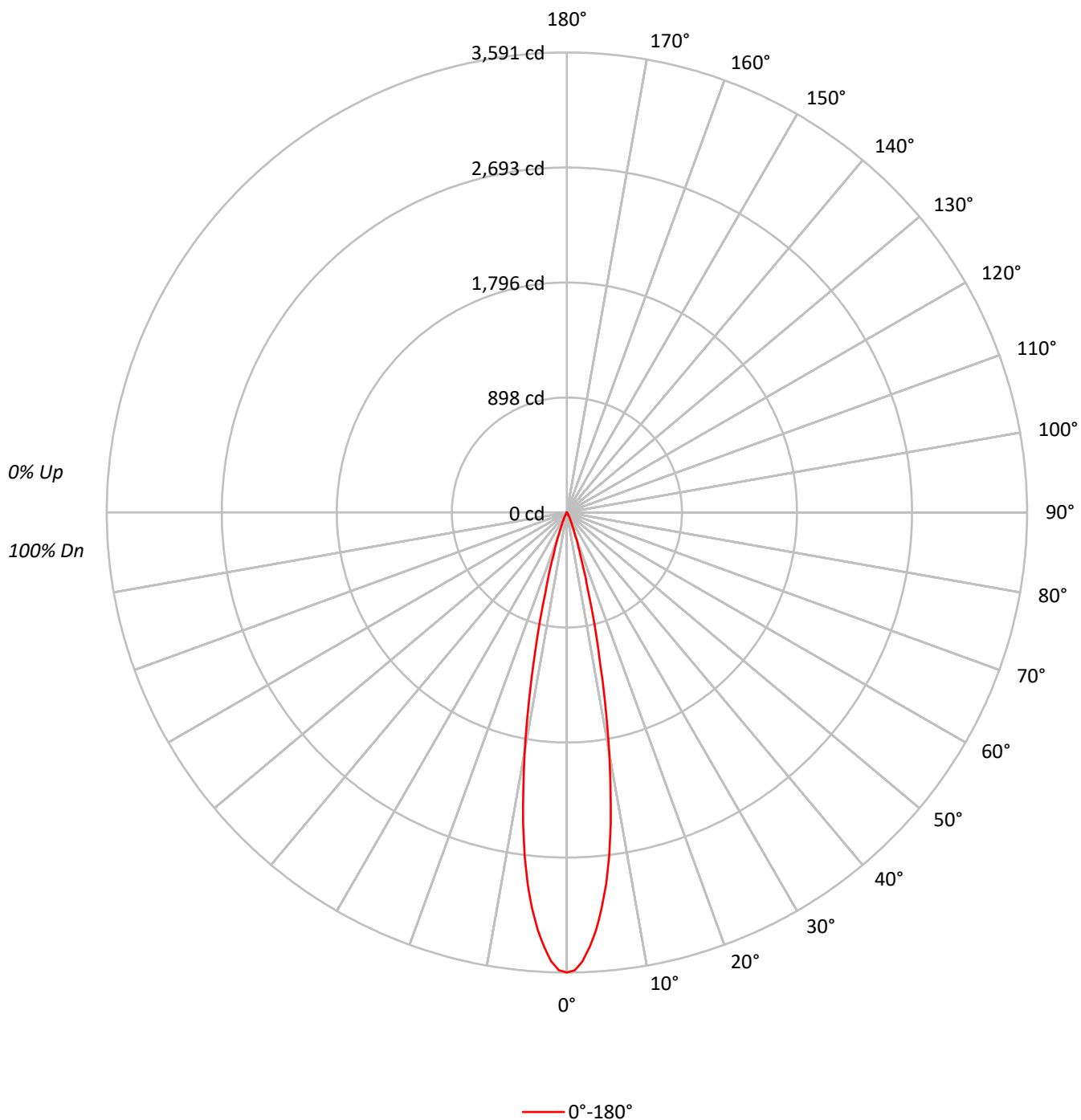
Lumens per Lamp: N/A  
Luminaire Lumens: 507.0 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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

TEST NUMBER: P1288091

CATALOG NUMBER: P3A05R20W2N902750DE010 E3CD1MMS\_3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1288091

CATALOG NUMBER: P3A05R20W2N902750DE010 E3CD1MMS\_3500K

**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  | 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   | 116 | 114 | 112 | 110 | 113 | 112 | 110 | 109 | 108 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  |    |    |
| 2   | 112 | 109 | 107 | 104 | 110 | 108 | 105 | 103 | 104 | 103 | 101 | 102 | 100 | 99  | 99  | 98  | 97  | 95  |    |    |
| 3   | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99  | 102 | 99  | 97  | 99  | 98  | 96  | 97  | 96  | 95  | 93  |    |    |
| 4   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 96  | 99  | 97  | 95  | 97  | 95  | 93  | 96  | 94  | 92  | 91  |    |    |
| 5   | 104 | 99  | 96  | 93  | 103 | 98  | 95  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 91  | 90  |    |    |
| 6   | 102 | 97  | 93  | 91  | 101 | 96  | 93  | 90  | 95  | 92  | 90  | 94  | 91  | 89  | 93  | 90  | 89  | 88  |    |    |
| 7   | 100 | 94  | 91  | 88  | 99  | 94  | 91  | 88  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 86  |    |    |
| 8   | 98  | 92  | 89  | 86  | 97  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 88  | 86  | 89  | 87  | 85  | 85  |    |    |
| 9   | 96  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 83  |    |    |
| 10  | 94  | 89  | 85  | 83  | 93  | 88  | 85  | 83  | 88  | 85  | 83  | 87  | 84  | 83  | 87  | 84  | 82  | 82  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 787437 |
| 5°  | 683467 |
| 10° | 422303 |
| 15° | 146675 |
| 20° | 45037  |
| 25° | 15920  |
| 30° | 5900   |
| 35° | 2356   |
| 40° | 1260   |
| 45° | 496    |
| 50° | 273    |
| 55° | 306    |
| 60° | 351    |
| 65° | 208    |
| 70° | 256    |
| 75° | 339    |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 496 cd/sqm

TEST NUMBER: P1288091

CATALOG NUMBER: P3A05R20W2N902750DE010 E3CD1MMS\_3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 257.7  | 50.8      |
| 10°-20°   | 204.5  | 40.3      |
| 20°-30°   | 35.4   | 7.0       |
| 30°-40°   | 6.4    | 1.3       |
| 40°-50°   | 1.5    | 0.3       |
| 50°-60°   | 0.7    | 0.1       |
| 60°-70°   | 0.4    | 0.1       |
| 70°-80°   | 0.4    | 0.1       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 497.5  | 98.1      |
| 0°-40°    | 504.0  | 99.4      |
| 0°-60°    | 506.2  | 99.8      |
| 0°-90°    | 507.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 507.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3591 |      |
| 5°  | 3105 | 258  |
| 15° | 646  | 204  |
| 25° | 66   | 35   |
| 35° | 9    | 6    |
| 45° | 2    | 1    |
| 55° | 1    | 1    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



TEST NUMBER: P1288091

CATALOG NUMBER: P3A05R20W2N902750DE010 E3CD1MMS\_3500K

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 3591.0 |
| 1°    | 3573.7 |
| 2°    | 3505.5 |
| 3°    | 3395.9 |
| 4°    | 3267.5 |
| 5°    | 3105.0 |
| 6°    | 2918.8 |
| 7°    | 2702.1 |
| 8°    | 2455.2 |
| 9°    | 2177.9 |
| 10°   | 1896.6 |
| 12.5° | 1196.3 |
| 15°   | 646.1  |
| 17.5° | 345.1  |
| 20°   | 193.0  |
| 22.5° | 110.4  |
| 25°   | 65.8   |
| 27.5° | 40.1   |
| 30°   | 23.3   |
| 32.5° | 13.6   |
| 35°   | 8.8    |
| 37.5° | 6.0    |
| 40°   | 4.4    |
| 42.5° | 2.8    |
| 45°   | 1.6    |
| 47.5° | 0.8    |
| 50°   | 0.8    |
| 52.5° | 0.8    |
| 55°   | 0.8    |
| 57.5° | 0.8    |
| 60°   | 0.8    |
| 62.5° | 0.4    |
| 65°   | 0.4    |
| 67.5° | 0.4    |
| 70°   | 0.4    |
| 72.5° | 0.4    |
| 75°   | 0.4    |
| 77.5° | 0.4    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)