

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: P1288374

Luminaire Tested: P3A05R25W2N902750DE010 E3CD1MB\_5000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1288374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R25W2N902750DE010 E3CD1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,  
E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

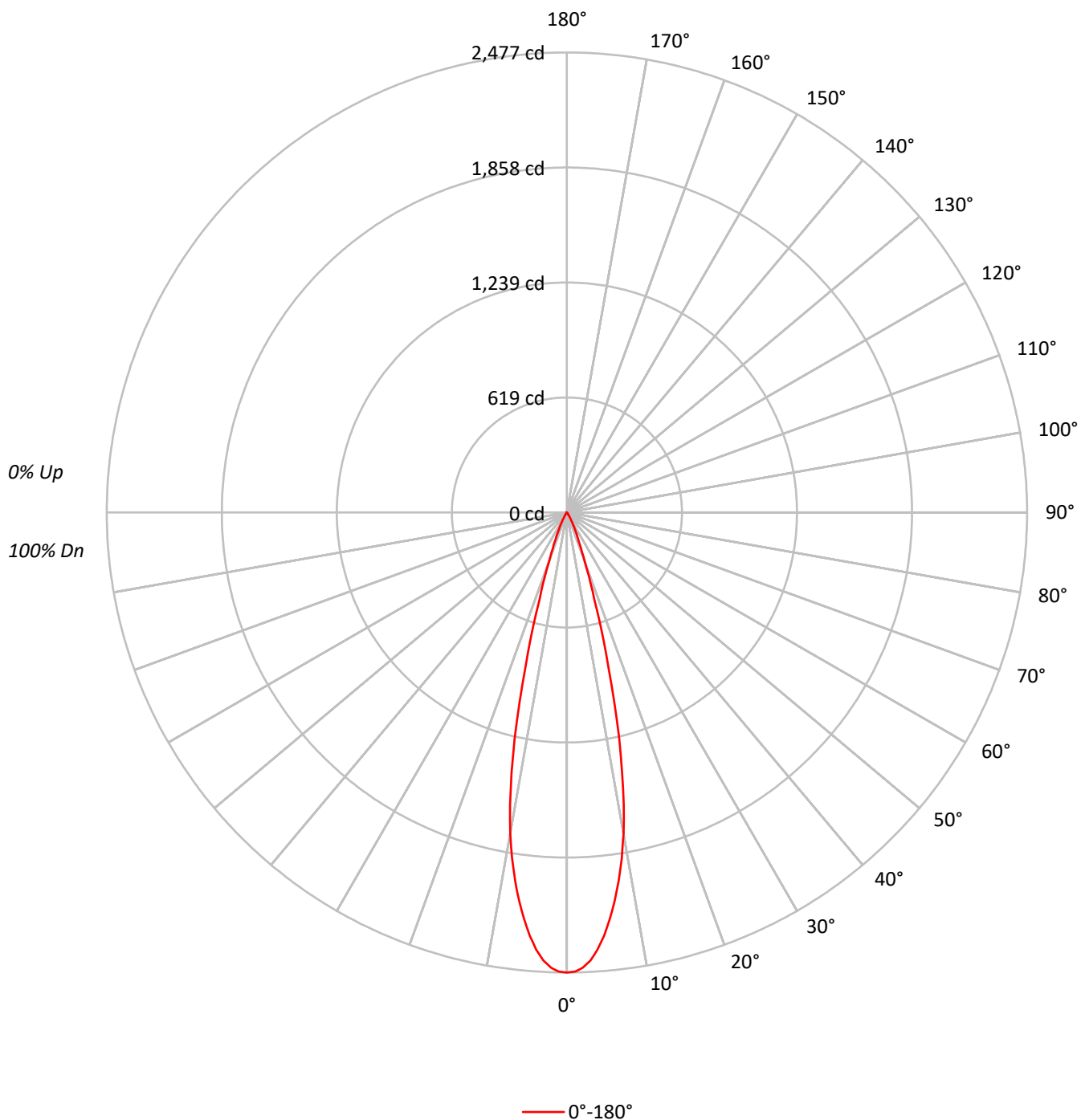
Lumens per Lamp: N/A  
Luminaire Lumens: 508.0 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1288374

CATALOG NUMBER: P3A05R25W2N902750DE010 E3CD1MB\_5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1288374

CATALOG NUMBER: P3A05R25W2N902750DE010 E3CD1MB\_5000K

### 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 |    |    |   |  |  |  |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  |    |    |   |  |  |  |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  |    |    |   |  |  |  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  |    |    |   |  |  |  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 89  |    |    |   |  |  |  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 87  |    |    |   |  |  |  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 87  | 86  | 85  |    |    |   |  |  |  |
| 7   | 97  | 91  | 88  | 85  | 96  | 91  | 87  | 85  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 83  |    |    |   |  |  |  |
| 8   | 95  | 89  | 85  | 83  | 94  | 89  | 85  | 82  | 88  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 81  |    |    |   |  |  |  |
| 9   | 93  | 87  | 83  | 80  | 92  | 86  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  |    |    |   |  |  |  |
| 10  | 91  | 85  | 81  | 78  | 90  | 84  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  |    |    |   |  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 543136 |
| 5°  | 503741 |
| 10° | 390663 |
| 15° | 195892 |
| 20° | 64359  |
| 25° | 25598  |
| 30° | 9596   |
| 35° | 2784   |
| 40° | 1260   |
| 45° | 496    |
| 50° | 409    |
| 55° | 306    |
| 60° | 351    |
| 65° | 415    |
| 70° | 256    |
| 75° | 339    |
| 80° | 505    |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $80^\circ$

Luminance: 505 cd/sqm

TEST NUMBER: P1288374

CATALOG NUMBER: P3A05R25W2N902750DE010 E3CD1MB\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 201.3  | 39.6      |
| 10°-20°   | 240.1  | 47.3      |
| 20°-30°   | 54.1   | 10.7      |
| 30°-40°   | 8.8    | 1.7       |
| 40°-50°   | 1.6    | 0.3       |
| 50°-60°   | 0.8    | 0.2       |
| 60°-70°   | 0.7    | 0.1       |
| 70°-80°   | 0.4    | 0.1       |
| 80°-90°   | 0.1    | 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°    | 495.6  | 97.5      |
| 0°-40°    | 504.4  | 99.3      |
| 0°-60°    | 506.8  | 99.8      |
| 0°-90°    | 508.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 508.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2477 |      |
| 5°  | 2288 | 201  |
| 15° | 863  | 240  |
| 25° | 106  | 54   |
| 35° | 10   | 9    |
| 45° | 2    | 2    |
| 55° | 1    | 1    |
| 65° | 1    | 1    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

TEST NUMBER: P1288374

CATALOG NUMBER: P3A05R25W2N902750DE010 E3CD1MB\_5000K

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2476.9 |
| 1°    | 2472.9 |
| 2°    | 2452.9 |
| 3°    | 2416.2 |
| 4°    | 2360.7 |
| 5°    | 2288.5 |
| 6°    | 2202.3 |
| 7°    | 2108.9 |
| 8°    | 2001.9 |
| 9°    | 1885.0 |
| 10°   | 1754.5 |
| 11°   | 1604.0 |
| 12°   | 1430.8 |
| 13°   | 1249.6 |
| 14°   | 1055.2 |
| 15°   | 862.9  |
| 17.5° | 491.7  |
| 20°   | 275.8  |
| 22.5° | 166.4  |
| 25°   | 105.8  |
| 27.5° | 65.1   |
| 30°   | 37.9   |
| 32.5° | 20.0   |
| 35°   | 10.4   |
| 37.5° | 6.8    |
| 40°   | 4.4    |
| 42.5° | 2.8    |
| 45°   | 1.6    |
| 47.5° | 1.2    |
| 50°   | 1.2    |
| 52.5° | 1.2    |
| 55°   | 0.8    |
| 57.5° | 0.8    |
| 60°   | 0.8    |
| 62.5° | 0.8    |
| 65°   | 0.8    |
| 67.5° | 0.8    |
| 70°   | 0.4    |
| 72.5° | 0.4    |
| 75°   | 0.4    |
| 77.5° | 0.4    |
| 80°   | 0.4    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |



TEST NUMBER: P1288374

CATALOG NUMBER: P3A05R25W2N902750DE010 E3CD1MB\_5000K

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)