

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: P1298405

Luminaire Tested: P3A13R60W2N902765DE010 E3DL1GPH\_6500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1298405  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R60W2N902765DE010 E3DL1GPH\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 6500K CCT AND, 90CRI ,  
E3DL1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

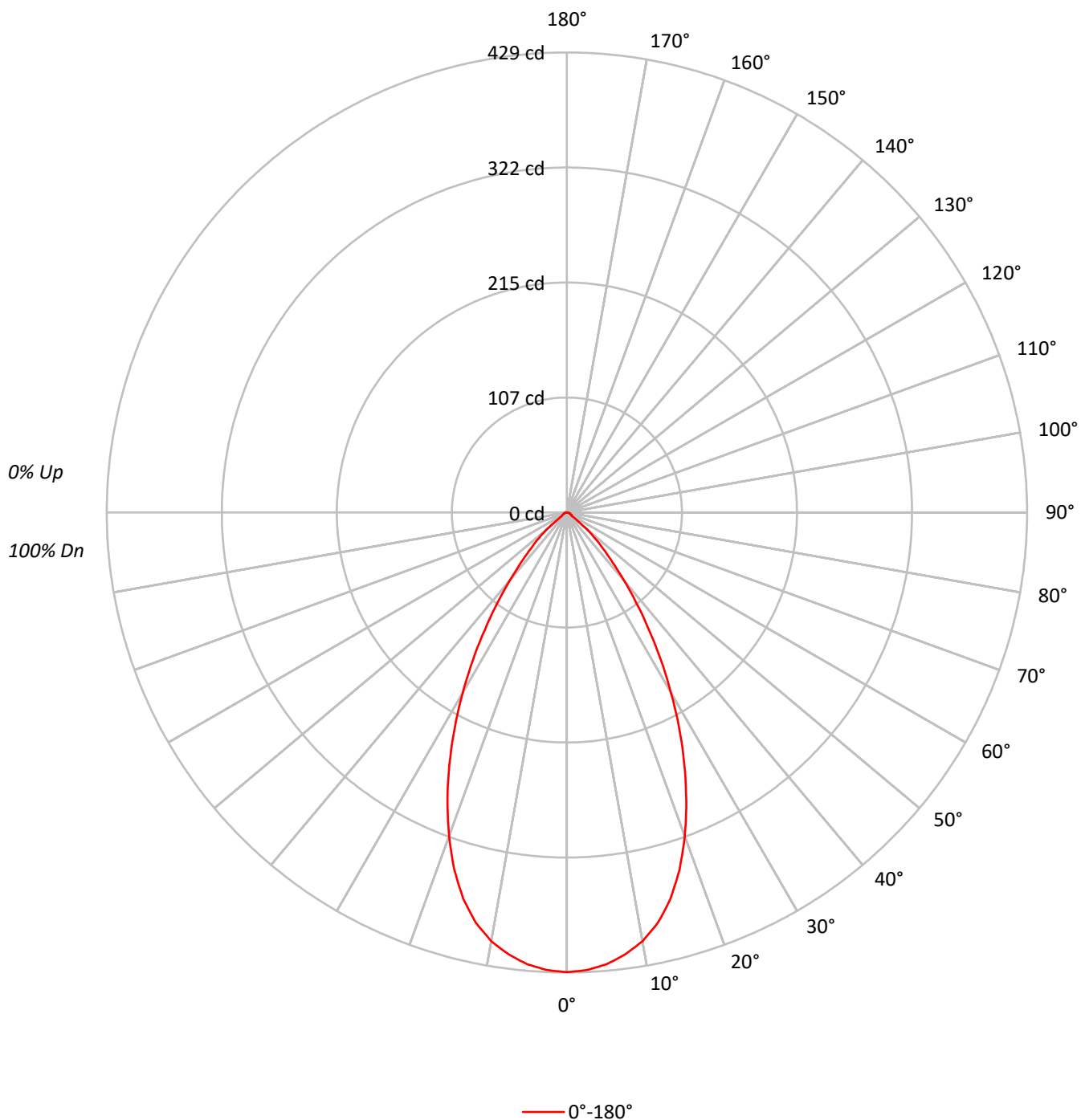
Lumens per Lamp: N/A  
Luminaire Lumens: 398.0 lumens  
Efficiency: N/A  
Efficacy: 32.4 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.87  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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: P1298405

CATALOG NUMBER: P3A13R60W2N902765DE010 E3DL1GPH\_6500K

### Luminous Intensity Polar Plot



TEST NUMBER: P1298405

CATALOG NUMBER: P3A13R60W2N902765DE010 E3DL1GPH\_6500K

**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   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 94  | 93  |    |    |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 85  |    |    |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 84  | 91  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 80  | 79  |    |    |
| 4   | 96  | 88  | 82  | 78  | 94  | 87  | 81  | 77  | 85  | 80  | 76  | 83  | 79  | 75  | 81  | 77  | 75  | 73  |    |    |
| 5   | 91  | 82  | 76  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  | 78  | 73  | 70  | 76  | 72  | 69  | 68  |    |    |
| 6   | 86  | 77  | 70  | 66  | 84  | 76  | 70  | 66  | 74  | 69  | 65  | 73  | 68  | 65  | 72  | 68  | 64  | 63  |    |    |
| 7   | 82  | 72  | 66  | 61  | 80  | 71  | 65  | 61  | 70  | 65  | 61  | 69  | 64  | 60  | 67  | 63  | 60  | 59  |    |    |
| 8   | 77  | 68  | 61  | 57  | 76  | 67  | 61  | 57  | 66  | 60  | 57  | 65  | 60  | 56  | 64  | 59  | 56  | 55  |    |    |
| 9   | 74  | 64  | 57  | 53  | 72  | 63  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 60  | 56  | 53  | 51  |    |    |
| 10  | 70  | 60  | 54  | 50  | 69  | 60  | 54  | 50  | 59  | 53  | 50  | 58  | 53  | 50  | 57  | 53  | 49  | 48  |    |    |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 93984 |
| 5°  | 93088 |
| 10° | 90379 |
| 15° | 84677 |
| 20° | 74953 |
| 25° | 62689 |
| 30° | 49147 |
| 35° | 35657 |
| 40° | 23702 |
| 45° | 14792 |
| 50° | 8017  |
| 55° | 2332  |
| 60° | 2149  |
| 65° | 1972  |
| 70° | 1923  |
| 75° | 1949  |
| 80° | 1894  |
| 85° | 2013  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14792 cd/sqm

TEST NUMBER: P1298405

CATALOG NUMBER: P3A13R60W2N902765DE010 E3DL1GPH\_6500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.8   | 10.0      |
| 10°-20°   | 103.5  | 26.0      |
| 20°-30°   | 118.0  | 29.6      |
| 30°-40°   | 83.6   | 21.0      |
| 40°-50°   | 38.0   | 9.5       |
| 50°-60°   | 8.1    | 2.0       |
| 60°-70°   | 3.9    | 1.0       |
| 70°-80°   | 2.4    | 0.6       |
| 80°-90°   | 0.8    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 261.3  | 65.6      |
| 0°-40°    | 344.9  | 86.7      |
| 0°-60°    | 390.9  | 98.2      |
| 0°-90°    | 398.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 398.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 429 |      |
| 5°  | 423 | 40   |
| 15° | 373 | 103  |
| 25° | 259 | 118  |
| 35° | 133 | 84   |
| 45° | 48  | 38   |
| 55° | 6   | 8    |
| 65° | 4   | 4    |
| 75° | 2   | 2    |
| 85° | 1   | 1    |
| 90° | 0   |      |

TEST NUMBER: P1298405

CATALOG NUMBER: P3A13R60W2N902765DE010 E3DL1GPH\_6500K

**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 428.6 |
| 2.5°  | 427.1 |
| 5°    | 422.9 |
| 7.5°  | 415.7 |
| 10°   | 405.9 |
| 12.5° | 391.9 |
| 15°   | 373.0 |
| 17.5° | 349.1 |
| 20°   | 321.2 |
| 22.5° | 290.9 |
| 25°   | 259.1 |
| 27.5° | 226.6 |
| 30°   | 194.1 |
| 32.5° | 163.0 |
| 35°   | 133.2 |
| 37.5° | 106.7 |
| 40°   | 82.8  |
| 42.5° | 62.8  |
| 45°   | 47.7  |
| 47.5° | 35.6  |
| 50°   | 23.5  |
| 52.5° | 11.0  |
| 55°   | 6.1   |
| 57.5° | 5.3   |
| 60°   | 4.9   |
| 62.5° | 4.5   |
| 65°   | 3.8   |
| 67.5° | 3.4   |
| 70°   | 3.0   |
| 72.5° | 2.6   |
| 75°   | 2.3   |
| 77.5° | 1.9   |
| 80°   | 1.5   |
| 82.5° | 1.1   |
| 85°   | 0.8   |
| 87.5° | 0.4   |
| 90°   | 0.0   |

(END OF REPORT)