

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: P1265803

Luminaire Tested: P3A20R309730D010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1265803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R309730D010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

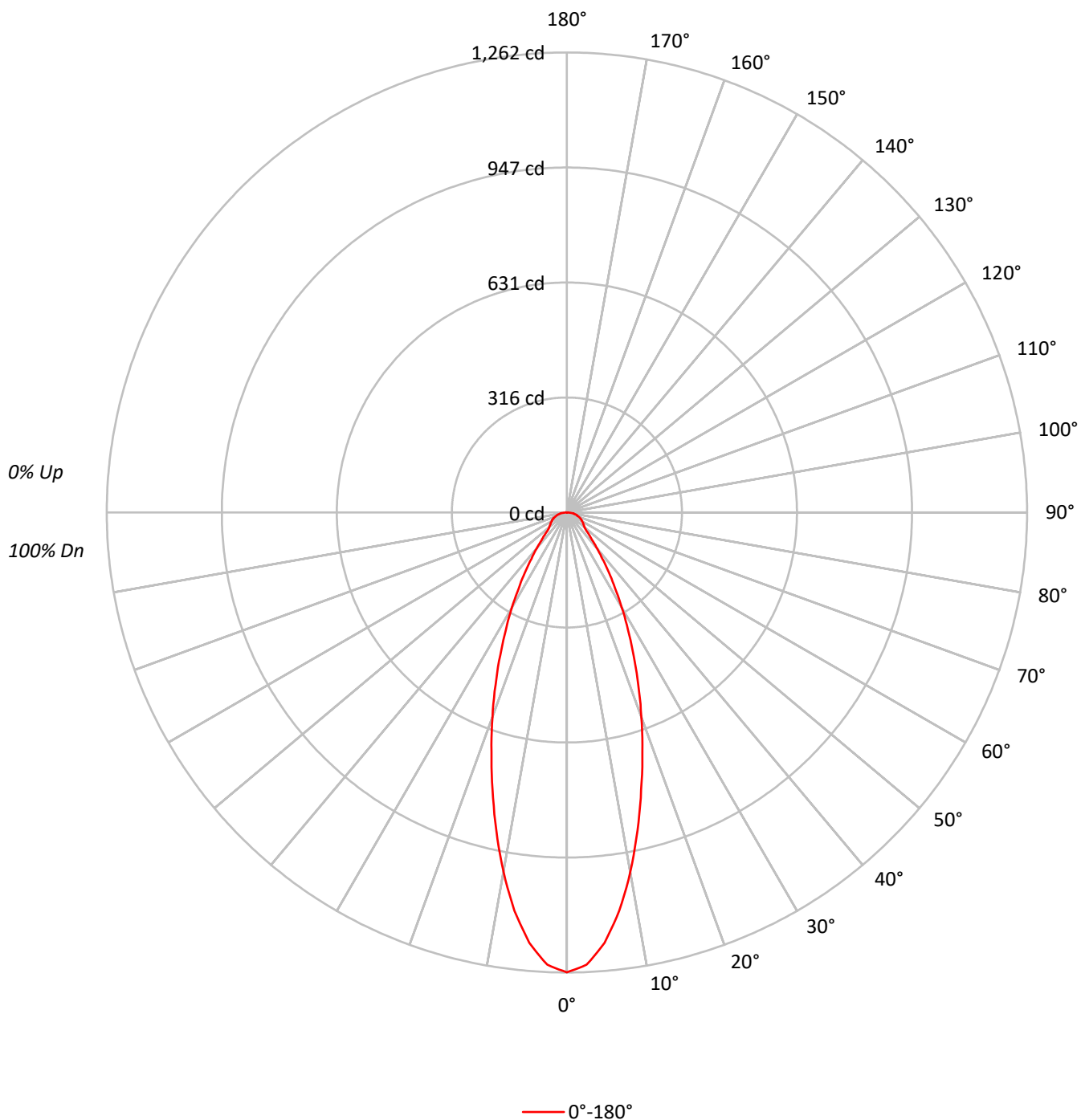
Lumens per Lamp: N/A  
Luminaire Lumens: 852.0 lumens  
Efficiency: N/A  
Efficacy: 29.6 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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: P1265803

CATALOG NUMBER: P3A20R309730D010 E3PHLP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1265803

CATALOG NUMBER: P3A20R309730D010 E3PHLP1MW

**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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 97  |  | 98  | 96  | 94  |  | 95  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  |  | 91  | 88  | 85  |  | 88  |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 80  | 87  | 82  | 78  |  | 84  | 80  | 77  |  | 82  |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 76  | 71  |  | 79  | 74  | 71  |  | 77  |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 66  | 75  | 70  | 66  |  | 74  | 69  | 65  |  | 72  |
| 6   | 83  | 73  | 67  | 62  | 82  | 72  | 66  | 62  | 71  | 65  | 61  |  | 69  | 64  | 61  |  | 68  |
| 7   | 79  | 69  | 62  | 57  | 78  | 68  | 62  | 57  | 67  | 61  | 57  |  | 66  | 60  | 57  |  | 64  |
| 8   | 75  | 65  | 58  | 54  | 74  | 64  | 58  | 54  | 63  | 57  | 53  |  | 62  | 57  | 53  |  | 61  |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 50  |  | 59  | 54  | 50  |  | 58  |
| 10  | 68  | 58  | 52  | 48  | 67  | 58  | 52  | 48  | 57  | 51  | 48  |  | 56  | 51  | 47  |  | 55  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 276623 |
| 5°  | 260840 |
| 10° | 222953 |
| 15° | 178684 |
| 20° | 139289 |
| 25° | 104740 |
| 30° | 76392  |
| 35° | 53833  |
| 40° | 36926  |
| 45° | 26452  |
| 50° | 21628  |
| 55° | 20912  |
| 60° | 21095  |
| 65° | 21533  |
| 70° | 22440  |
| 75° | 24061  |
| 80° | 24877  |
| 85° | 27424  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 29400 cd/sqm

TEST NUMBER: P1265803

CATALOG NUMBER: P3A20R309730D010 E3PHLP1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 107.2  | 12.6      |
| 10°-20°   | 218.7  | 25.7      |
| 20°-30°   | 199.3  | 23.4      |
| 30°-40°   | 126.8  | 14.9      |
| 40°-50°   | 67.9   | 8.0       |
| 50°-60°   | 49.7   | 5.8       |
| 60°-70°   | 41.7   | 4.9       |
| 70°-80°   | 29.1   | 3.4       |
| 80°-90°   | 11.6   | 1.4       |
| 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°    | 525.2  | 61.6      |
| 0°-40°    | 652.0  | 76.5      |
| 0°-60°    | 769.6  | 90.3      |
| 0°-90°    | 852.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 852.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1262 |      |
| 5°  | 1185 | 107  |
| 15° | 787  | 219  |
| 25° | 433  | 199  |
| 35° | 201  | 127  |
| 45° | 85   | 68   |
| 55° | 55   | 50   |
| 65° | 42   | 42   |
| 75° | 28   | 29   |
| 85° | 11   | 12   |
| 90° | 0    |      |

TEST NUMBER: P1265803

CATALOG NUMBER: P3A20R309730D010 E3PHLP1MW

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1261.5 |
| 2.5°  | 1241.8 |
| 5°    | 1185.0 |
| 7.5°  | 1101.9 |
| 10°   | 1001.3 |
| 12.5° | 894.2  |
| 15°   | 787.1  |
| 17.5° | 688.7  |
| 20°   | 596.9  |
| 22.5° | 511.6  |
| 25°   | 432.9  |
| 27.5° | 362.9  |
| 30°   | 301.7  |
| 32.5° | 244.9  |
| 35°   | 201.1  |
| 37.5° | 159.6  |
| 40°   | 129.0  |
| 42.5° | 102.8  |
| 45°   | 85.3   |
| 47.5° | 70.0   |
| 50°   | 63.4   |
| 52.5° | 59.0   |
| 55°   | 54.7   |
| 57.5° | 52.5   |
| 60°   | 48.1   |
| 62.5° | 45.9   |
| 65°   | 41.5   |
| 67.5° | 39.4   |
| 70°   | 35.0   |
| 72.5° | 30.6   |
| 75°   | 28.4   |
| 77.5° | 24.0   |
| 80°   | 19.7   |
| 82.5° | 17.5   |
| 85°   | 10.9   |
| 87.5° | 4.4    |
| 90°   | 0.0    |

(END OF REPORT)