

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: P1307539

Luminaire Tested: P3SQAS02R359030DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307539  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R359030DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

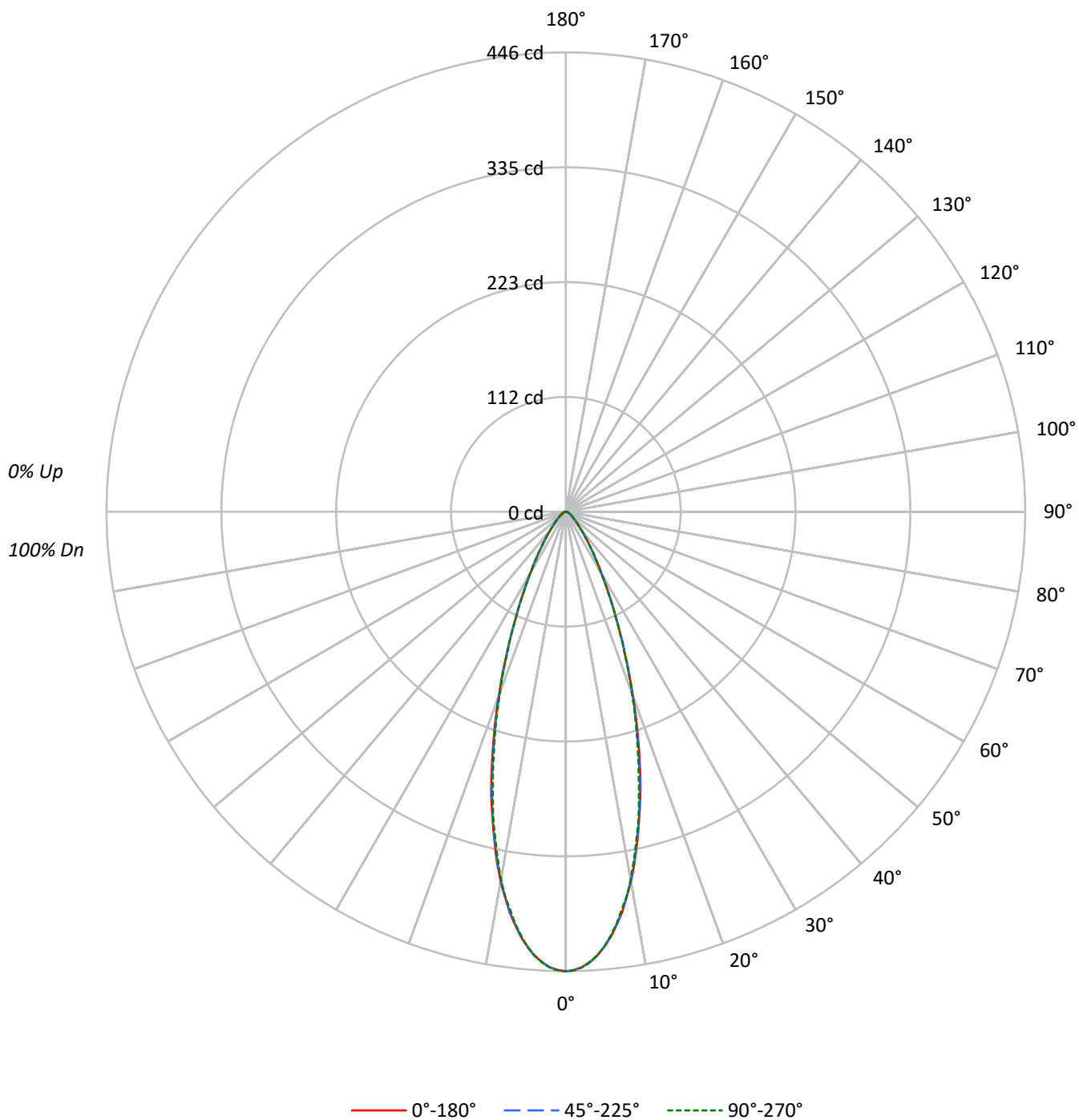
Lumens per Lamp: N/A  
Luminaire Lumens: 220.0 lumens  
Efficiency: N/A  
Efficacy: 61.1 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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: P1307539

CATALOG NUMBER: P3SQAS02R359030DE010 E3SQPHL1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1307539

CATALOG NUMBER: P3SQAS02R359030DE010 E3SQPHL1MMS

**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   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  |  | 82  | 78  | 75  |  | 80  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 76  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  |  | 68  | 63  | 60  |  | 67  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 64  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 76829 | 76829 | 76829 |
| 5°  | 73405 | 73284 | 73405 |
| 10° | 63726 | 63516 | 63429 |
| 15° | 49941 | 49549 | 48765 |
| 20° | 34932 | 34621 | 34401 |
| 25° | 22195 | 22328 | 22195 |
| 30° | 13662 | 13761 | 13662 |
| 35° | 8452  | 8515  | 8515  |
| 40° | 5373  | 5418  | 5418  |
| 45° | 3629  | 3678  | 3751  |
| 50° | 2626  | 2679  | 2679  |
| 55° | 2042  | 2042  | 2042  |
| 60° | 1688  | 1688  | 1688  |
| 65° | 1508  | 1508  | 1508  |
| 70° | 1360  | 1360  | 1360  |
| 75° | 1131  | 1131  | 1131  |
| 80° | 992   | 992   | 992   |
| 85° | 395   | 395   | 988   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3751 cd/sqm

TEST NUMBER: P1307539

CATALOG NUMBER: P3SQAS02R359030DE010 E3SQPHL1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 38.6   | 17.5      |
| 10°-20°   | 75.9   | 34.5      |
| 20°-30°   | 54.8   | 24.9      |
| 30°-40°   | 26.4   | 12.0      |
| 40°-50°   | 12.2   | 5.5       |
| 50°-60°   | 6.3    | 2.9       |
| 60°-70°   | 3.7    | 1.7       |
| 70°-80°   | 1.8    | 0.8       |
| 80°-90°   | 0.4    | 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       |
| 0°-30°    | 169.2  | 76.9      |
| 0°-40°    | 195.6  | 88.9      |
| 0°-60°    | 214.1  | 97.3      |
| 0°-90°    | 220.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 220.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 446 | 446   | 446 | 446   | 446 |      |
| 5°  | 425 | 426   | 424 | 424   | 425 | 39   |
| 15° | 280 | 280   | 278 | 277   | 274 | 76   |
| 25° | 117 | 117   | 118 | 118   | 117 | 55   |
| 35° | 40  | 40    | 40  | 40    | 40  | 26   |
| 45° | 15  | 15    | 15  | 15    | 15  | 12   |
| 55° | 7   | 7     | 7   | 7     | 7   | 6    |
| 65° | 4   | 4     | 4   | 4     | 4   | 4    |
| 75° | 2   | 2     | 2   | 2     | 2   | 2    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1307539

CATALOG NUMBER: P3SQAS02R359030DE010 E3SQPHL1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 446.1 | 446.1 | 446.1 | 446.1 | 446.1 |
| 1°    | 444.9 | 445.6 | 445.4 | 445.6 | 445.4 |
| 2°    | 442.7 | 443.2 | 442.7 | 442.9 | 442.9 |
| 3°    | 438.0 | 438.5 | 438.5 | 438.3 | 438.0 |
| 4°    | 432.4 | 433.7 | 432.4 | 432.7 | 432.0 |
| 5°    | 424.6 | 425.6 | 423.9 | 424.2 | 424.6 |
| 6°    | 415.1 | 415.4 | 414.9 | 414.6 | 414.2 |
| 7°    | 404.2 | 405.1 | 403.4 | 403.7 | 403.2 |
| 8°    | 392.5 | 392.2 | 392.2 | 391.2 | 389.8 |
| 9°    | 378.3 | 379.3 | 377.8 | 377.4 | 377.6 |
| 10°   | 364.4 | 364.4 | 363.2 | 362.0 | 362.7 |
| 11°   | 348.6 | 348.1 | 347.4 | 345.7 | 345.2 |
| 12°   | 331.3 | 332.3 | 330.1 | 329.3 | 327.6 |
| 13°   | 313.5 | 314.9 | 314.0 | 311.3 | 311.5 |
| 14°   | 296.9 | 295.9 | 295.2 | 294.7 | 293.0 |
| 15°   | 280.1 | 279.6 | 277.9 | 276.7 | 273.5 |
| 17.5° | 234.0 | 234.5 | 231.3 | 230.8 | 229.6 |
| 20°   | 190.6 | 189.2 | 188.9 | 189.2 | 187.7 |
| 22.5° | 150.4 | 151.9 | 150.2 | 150.4 | 149.4 |
| 25°   | 116.8 | 117.0 | 117.5 | 117.5 | 116.8 |
| 27.5° | 90.7  | 90.7  | 90.2  | 90.7  | 89.9  |
| 30°   | 68.7  | 68.7  | 69.2  | 69.7  | 68.7  |
| 32.5° | 53.1  | 53.1  | 53.1  | 53.4  | 53.6  |
| 35°   | 40.2  | 40.2  | 40.5  | 40.5  | 40.5  |
| 37.5° | 31.0  | 31.2  | 31.4  | 31.4  | 31.4  |
| 40°   | 23.9  | 24.1  | 24.1  | 24.4  | 24.1  |
| 42.5° | 19.0  | 19.0  | 19.0  | 19.3  | 19.3  |
| 45°   | 14.9  | 15.1  | 15.1  | 15.4  | 15.4  |
| 47.5° | 12.2  | 12.2  | 12.2  | 12.4  | 12.4  |
| 50°   | 9.8   | 10.0  | 10.0  | 10.0  | 10.0  |
| 52.5° | 8.0   | 8.0   | 8.3   | 8.3   | 8.3   |
| 55°   | 6.8   | 6.8   | 6.8   | 6.8   | 6.8   |
| 57.5° | 5.6   | 5.9   | 5.9   | 5.9   | 5.9   |
| 60°   | 4.9   | 4.9   | 4.9   | 4.9   | 4.9   |
| 62.5° | 4.1   | 4.1   | 4.1   | 4.1   | 4.1   |
| 65°   | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   |
| 67.5° | 2.9   | 3.2   | 3.2   | 3.2   | 3.2   |
| 70°   | 2.7   | 2.7   | 2.7   | 2.7   | 2.7   |
| 72.5° | 2.0   | 2.2   | 2.2   | 2.2   | 2.2   |
| 75°   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   |
| 77.5° | 1.5   | 1.2   | 1.2   | 1.2   | 1.5   |
| 80°   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 82.5° | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   |



TEST NUMBER: P1307539

CATALOG NUMBER: P3SQAS02R359030DE010 E3SQPHL1MMS

CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)