

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: P1307601

Luminaire Tested: P3SQAS02R709030DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307601  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R709030DE010 E3SQCLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

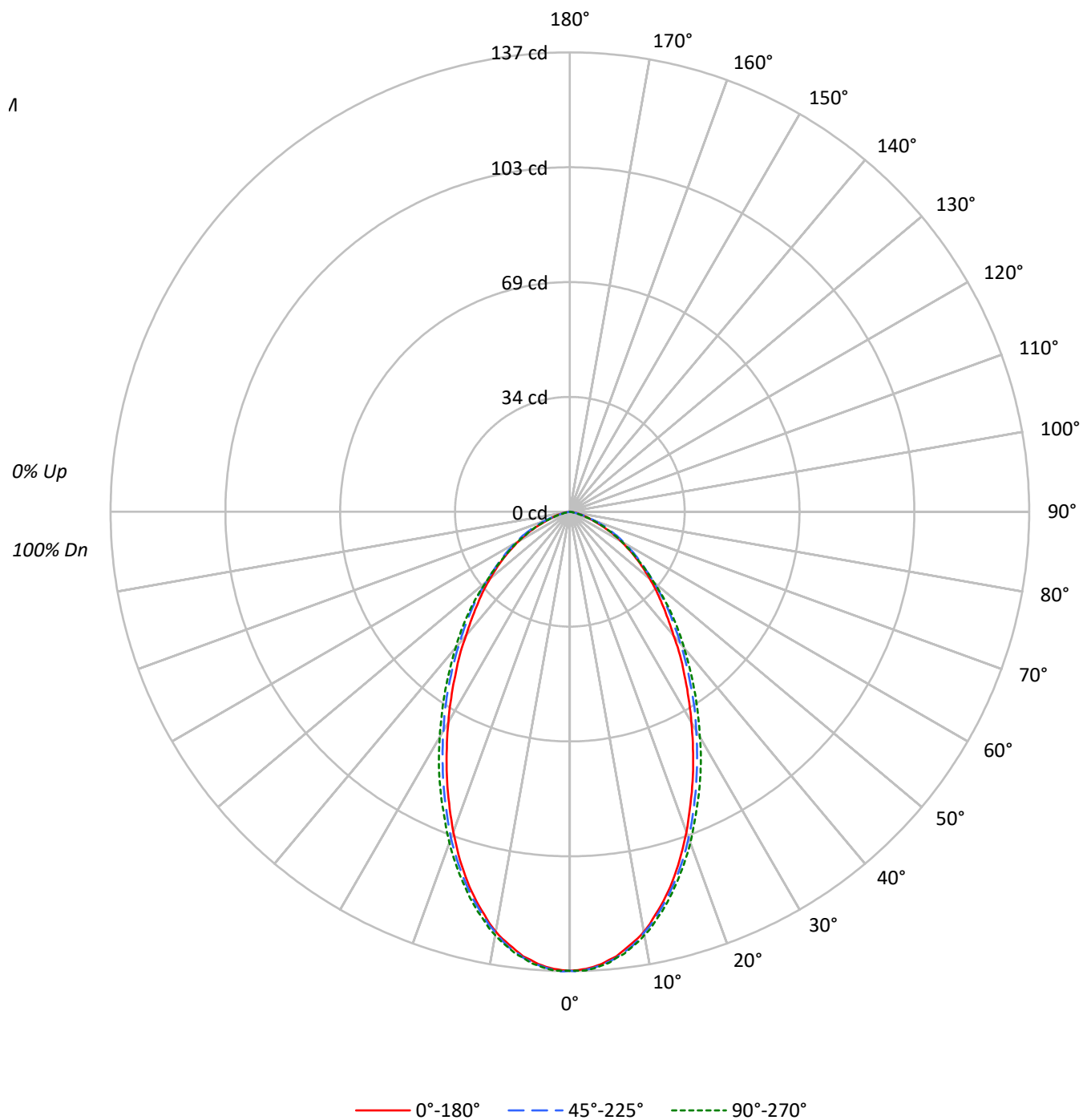
Lumens per Lamp: N/A  
Luminaire Lumens: 196.0 lumens  
Efficiency: N/A  
Efficacy: 54.4 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1307601

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCLDWW1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1307601

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCLDWW1MB

**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   | 111 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99  | 97  |  | 98  | 96  | 94  |  | 94  |
| 2   | 103 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  |  | 89  | 85  | 82  |  | 86  |
| 3   | 96  | 87  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  |  | 81  | 76  | 72  |  | 78  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  |  | 74  | 69  | 64  |  | 72  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  |  | 67  | 62  | 58  |  | 66  |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 53  |  | 62  | 56  | 52  |  | 61  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 48  |  | 58  | 52  | 47  |  | 56  |
| 8   | 68  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  |  | 53  | 48  | 43  |  | 52  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 23577 | 23577 | 23577 |
| 5°  | 23201 | 23287 | 23339 |
| 10° | 22245 | 22280 | 22420 |
| 15° | 20647 | 20807 | 20986 |
| 20° | 18621 | 18987 | 19262 |
| 25° | 16494 | 16950 | 17368 |
| 30° | 14418 | 14994 | 15432 |
| 35° | 12531 | 13182 | 13603 |
| 40° | 10814 | 11533 | 11915 |
| 45° | 9474  | 10132 | 10424 |
| 50° | 8333  | 8735  | 8735  |
| 55° | 7236  | 7597  | 7386  |
| 60° | 6131  | 6544  | 6200  |
| 65° | 4768  | 5461  | 4972  |
| 70° | 3424  | 4028  | 3424  |
| 75° | 2595  | 2396  | 1930  |
| 80° | 1686  | 1190  | 496   |
| 85° | 395   | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10424 cd/sqm

TEST NUMBER: P1307601

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCLDWW1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 12.6   | 6.4       |
| 10°-20°   | 32.6   | 16.6      |
| 20°-30°   | 40.9   | 20.9      |
| 30°-40°   | 39.1   | 19.9      |
| 40°-50°   | 31.8   | 16.2      |
| 50°-60°   | 22.2   | 11.3      |
| 60°-70°   | 12.6   | 6.4       |
| 70°-80°   | 4.0    | 2.0       |
| 80°-90°   | 0.3    | 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°    | 86.1   | 43.9      |
| 0°-40°    | 125.2  | 63.9      |
| 0°-60°    | 179.2  | 91.4      |
| 0°-90°    | 196.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 196.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 137 | 137   | 137 | 137   | 137 |      |
| 5°  | 134 | 134   | 135 | 134   | 135 | 13   |
| 15° | 116 | 116   | 117 | 117   | 118 | 32   |
| 25° | 87  | 88    | 89  | 91    | 91  | 40   |
| 35° | 60  | 61    | 63  | 64    | 65  | 37   |
| 45° | 39  | 40    | 42  | 42    | 43  | 30   |
| 55° | 24  | 24    | 25  | 25    | 25  | 22   |
| 65° | 12  | 12    | 13  | 13    | 12  | 12   |
| 75° | 4   | 4     | 4   | 3     | 3   | 4    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1307601

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCLDWW1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 136.9 | 136.9 | 136.9 | 136.9 | 136.9 |
| 1°    | 136.7 | 136.9 | 137.2 | 136.7 | 136.9 |
| 2°    | 136.4 | 136.7 | 136.7 | 136.4 | 136.9 |
| 3°    | 135.9 | 136.2 | 136.2 | 135.9 | 136.4 |
| 4°    | 135.2 | 135.5 | 135.5 | 135.2 | 135.7 |
| 5°    | 134.2 | 134.5 | 134.7 | 134.5 | 135.0 |
| 6°    | 133.3 | 133.5 | 133.7 | 133.5 | 133.7 |
| 7°    | 131.8 | 132.3 | 132.3 | 132.3 | 132.8 |
| 8°    | 130.3 | 130.8 | 131.1 | 130.8 | 131.3 |
| 9°    | 128.9 | 129.1 | 129.4 | 129.4 | 129.9 |
| 10°   | 127.2 | 127.4 | 127.4 | 127.7 | 128.2 |
| 11°   | 125.2 | 125.2 | 125.7 | 125.7 | 126.5 |
| 12°   | 122.8 | 123.0 | 123.5 | 123.8 | 124.3 |
| 13°   | 120.6 | 120.9 | 121.3 | 121.6 | 122.3 |
| 14°   | 118.2 | 118.7 | 119.2 | 119.4 | 120.1 |
| 15°   | 115.8 | 116.0 | 116.7 | 117.0 | 117.7 |
| 17.5° | 108.9 | 109.2 | 110.4 | 110.9 | 111.6 |
| 20°   | 101.6 | 102.4 | 103.6 | 104.3 | 105.1 |
| 22.5° | 94.1  | 94.8  | 96.3  | 97.5  | 98.0  |
| 25°   | 86.8  | 87.8  | 89.2  | 90.7  | 91.4  |
| 27.5° | 79.5  | 80.5  | 82.2  | 83.7  | 84.6  |
| 30°   | 72.5  | 73.4  | 75.4  | 76.6  | 77.6  |
| 32.5° | 65.9  | 66.9  | 69.1  | 70.3  | 71.0  |
| 35°   | 59.6  | 60.6  | 62.7  | 64.0  | 64.7  |
| 37.5° | 54.0  | 55.0  | 56.9  | 58.1  | 58.6  |
| 40°   | 48.1  | 49.4  | 51.3  | 52.5  | 53.0  |
| 42.5° | 43.3  | 44.3  | 46.2  | 47.2  | 47.9  |
| 45°   | 38.9  | 39.9  | 41.6  | 42.3  | 42.8  |
| 47.5° | 35.0  | 35.5  | 37.0  | 37.2  | 37.7  |
| 50°   | 31.1  | 31.6  | 32.6  | 32.8  | 32.6  |
| 52.5° | 27.5  | 28.0  | 28.7  | 28.5  | 28.5  |
| 55°   | 24.1  | 24.3  | 25.3  | 24.8  | 24.6  |
| 57.5° | 20.7  | 21.2  | 22.1  | 21.4  | 21.2  |
| 60°   | 17.8  | 18.2  | 19.0  | 18.5  | 18.0  |
| 62.5° | 14.8  | 15.1  | 16.3  | 15.3  | 14.8  |
| 65°   | 11.7  | 12.4  | 13.4  | 12.6  | 12.2  |
| 67.5° | 8.8   | 10.0  | 10.9  | 10.0  | 9.5   |
| 70°   | 6.8   | 7.3   | 8.0   | 7.5   | 6.8   |
| 72.5° | 5.1   | 5.3   | 5.6   | 5.1   | 4.6   |
| 75°   | 3.9   | 3.9   | 3.6   | 3.2   | 2.9   |
| 77.5° | 2.7   | 2.7   | 2.2   | 1.5   | 1.5   |
| 80°   | 1.7   | 1.7   | 1.2   | 0.5   | 0.5   |
| 82.5° | 0.7   | 0.7   | 0.5   | 0.2   | 0.2   |
| 85°   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P1307601

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)