

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: P1305511

Luminaire Tested: P3SQASS02R709024DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305511  
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: P3SQASS02R709024DE010 E3SQCLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

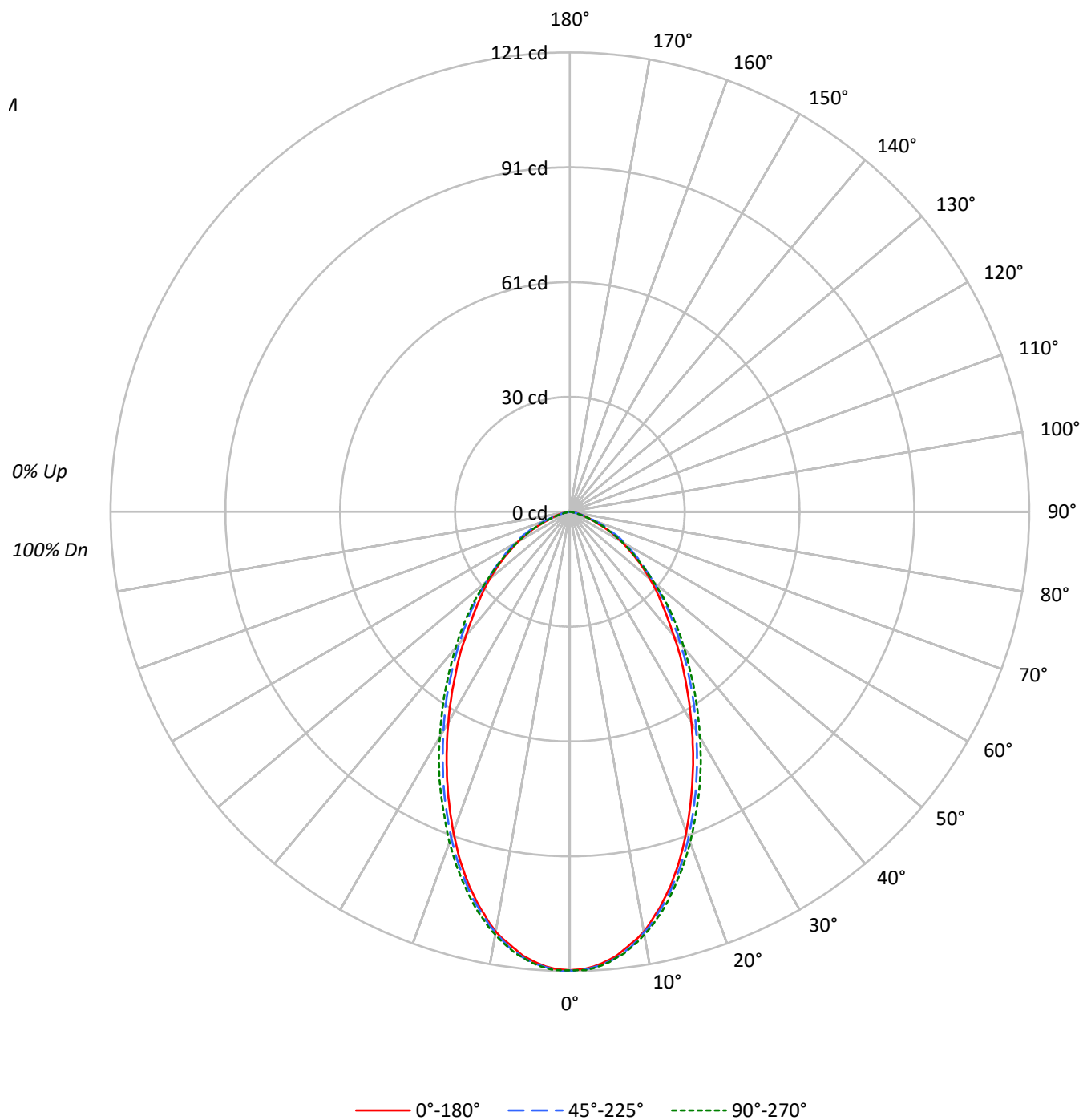
Lumens per Lamp: N/A  
Luminaire Lumens: 173.0 lumens  
Efficiency: N/A  
Efficacy: 48.1 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1305511

CATALOG NUMBER: P3SQASS02R709024DE010 E3SQCLDWW1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1305511

CATALOG NUMBER: P3SQASS02R709024DE010 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°  | 20804 | 20804 | 20804 |
| 5°  | 20486 | 20555 | 20590 |
| 10° | 19639 | 19674 | 19779 |
| 15° | 18222 | 18365 | 18525 |
| 20° | 16440 | 16751 | 16990 |
| 25° | 14556 | 14974 | 15335 |
| 30° | 12727 | 13225 | 13622 |
| 35° | 11059 | 11648 | 12005 |
| 40° | 9555  | 10184 | 10522 |
| 45° | 8354  | 8939  | 9207  |
| 50° | 7368  | 7716  | 7716  |
| 55° | 6366  | 6696  | 6516  |
| 60° | 5408  | 5752  | 5477  |
| 65° | 4197  | 4809  | 4360  |
| 70° | 3021  | 3575  | 3021  |
| 75° | 2262  | 2129  | 1730  |
| 80° | 1488  | 1091  | 397   |
| 85° | 395   | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9207 cd/sqm

TEST NUMBER: P1305511

CATALOG NUMBER: P3SQASS02R709024DE010 E3SQCLDWW1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 11.1   | 6.4       |
| 10°-20°   | 28.8   | 16.6      |
| 20°-30°   | 36.1   | 20.9      |
| 30°-40°   | 34.5   | 19.9      |
| 40°-50°   | 28.0   | 16.2      |
| 50°-60°   | 19.6   | 11.3      |
| 60°-70°   | 11.1   | 6.4       |
| 70°-80°   | 3.5    | 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°    | 76.0   | 43.9      |
| 0°-40°    | 110.5  | 63.9      |
| 0°-60°    | 158.1  | 91.4      |
| 0°-90°    | 173.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 173.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 121 | 121   | 121 | 121   | 121 |      |
| 5°  | 118 | 119   | 119 | 119   | 119 | 11   |
| 15° | 102 | 102   | 103 | 103   | 104 | 29   |
| 25° | 77  | 78    | 79  | 80    | 81  | 35   |
| 35° | 53  | 53    | 55  | 56    | 57  | 33   |
| 45° | 34  | 35    | 37  | 37    | 38  | 27   |
| 55° | 21  | 22    | 22  | 22    | 22  | 19   |
| 65° | 10  | 11    | 12  | 11    | 11  | 10   |
| 75° | 3   | 3     | 3   | 3     | 3   | 4    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1305511

CATALOG NUMBER: P3SQASS02R709024DE010 E3SQCLDWW1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 120.8 | 120.8 | 120.8 | 120.8 | 120.8 |
| 1°    | 120.6 | 120.8 | 121.1 | 120.6 | 120.8 |
| 2°    | 120.4 | 120.6 | 120.6 | 120.4 | 120.8 |
| 3°    | 120.0 | 120.2 | 120.2 | 120.0 | 120.4 |
| 4°    | 119.3 | 119.6 | 119.6 | 119.3 | 119.8 |
| 5°    | 118.5 | 118.7 | 118.9 | 118.7 | 119.1 |
| 6°    | 117.6 | 117.8 | 118.1 | 117.8 | 118.1 |
| 7°    | 116.3 | 116.8 | 116.8 | 116.8 | 117.2 |
| 8°    | 115.0 | 115.5 | 115.7 | 115.5 | 115.9 |
| 9°    | 113.8 | 114.0 | 114.2 | 114.2 | 114.6 |
| 10°   | 112.3 | 112.5 | 112.5 | 112.7 | 113.1 |
| 11°   | 110.5 | 110.5 | 111.0 | 111.0 | 111.6 |
| 12°   | 108.4 | 108.6 | 109.0 | 109.3 | 109.7 |
| 13°   | 106.5 | 106.7 | 107.1 | 107.3 | 108.0 |
| 14°   | 104.3 | 104.7 | 105.2 | 105.4 | 106.0 |
| 15°   | 102.2 | 102.4 | 103.0 | 103.2 | 103.9 |
| 17.5° | 96.2  | 96.4  | 97.4  | 97.9  | 98.5  |
| 20°   | 89.7  | 90.4  | 91.4  | 92.1  | 92.7  |
| 22.5° | 83.1  | 83.7  | 85.0  | 86.1  | 86.5  |
| 25°   | 76.6  | 77.5  | 78.8  | 80.1  | 80.7  |
| 27.5° | 70.2  | 71.0  | 72.5  | 73.8  | 74.7  |
| 30°   | 64.0  | 64.8  | 66.5  | 67.6  | 68.5  |
| 32.5° | 58.2  | 59.0  | 61.0  | 62.0  | 62.7  |
| 35°   | 52.6  | 53.4  | 55.4  | 56.5  | 57.1  |
| 37.5° | 47.7  | 48.5  | 50.2  | 51.3  | 51.7  |
| 40°   | 42.5  | 43.6  | 45.3  | 46.4  | 46.8  |
| 42.5° | 38.2  | 39.1  | 40.8  | 41.6  | 42.3  |
| 45°   | 34.3  | 35.2  | 36.7  | 37.3  | 37.8  |
| 47.5° | 30.9  | 31.3  | 32.6  | 32.8  | 33.3  |
| 50°   | 27.5  | 27.9  | 28.8  | 29.0  | 28.8  |
| 52.5° | 24.3  | 24.7  | 25.3  | 25.1  | 25.1  |
| 55°   | 21.2  | 21.5  | 22.3  | 21.9  | 21.7  |
| 57.5° | 18.2  | 18.7  | 19.5  | 18.9  | 18.7  |
| 60°   | 15.7  | 16.1  | 16.7  | 16.3  | 15.9  |
| 62.5° | 13.1  | 13.3  | 14.4  | 13.5  | 13.1  |
| 65°   | 10.3  | 10.9  | 11.8  | 11.2  | 10.7  |
| 67.5° | 7.7   | 8.8   | 9.7   | 8.8   | 8.4   |
| 70°   | 6.0   | 6.4   | 7.1   | 6.7   | 6.0   |
| 72.5° | 4.5   | 4.7   | 4.9   | 4.5   | 4.1   |
| 75°   | 3.4   | 3.4   | 3.2   | 2.8   | 2.6   |
| 77.5° | 2.4   | 2.4   | 1.9   | 1.3   | 1.3   |
| 80°   | 1.5   | 1.5   | 1.1   | 0.4   | 0.4   |
| 82.5° | 0.6   | 0.6   | 0.4   | 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: P1305511

CATALOG NUMBER: P3SQASS02R709024DE010 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)