

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: P1309335

Luminaire Tested: P3SQAS17R509035DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309335  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R509035DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

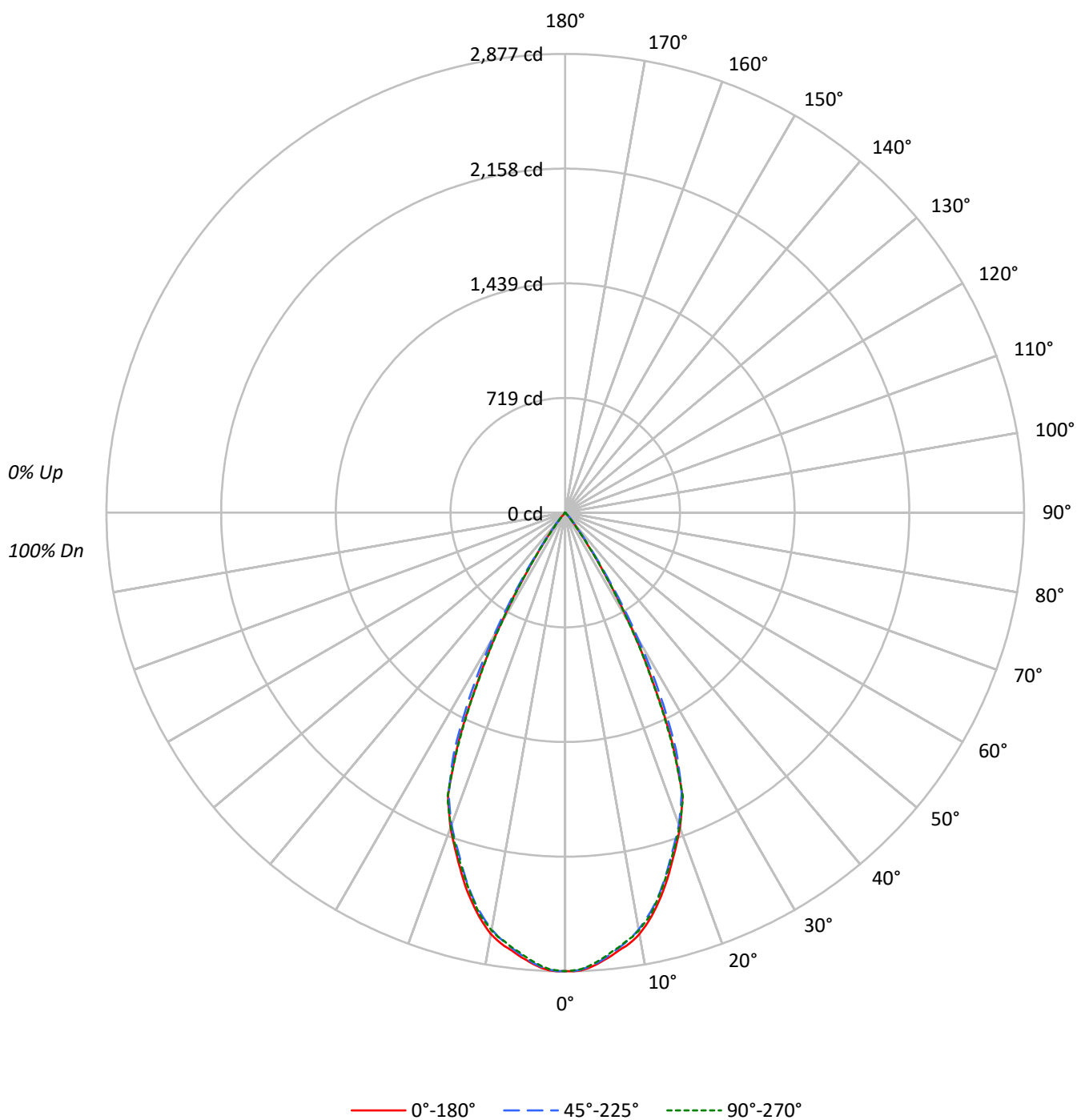
Lumens per Lamp: N/A  
Luminaire Lumens: 1852.0 lumens  
Efficiency: N/A  
Efficacy: 87.4 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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: P1309335

CATALOG NUMBER: P3SQAS17R509035DE010 E3SQCD1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1309335

CATALOG NUMBER: P3SQAS17R509035DE010 E3SQCD1MB

**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 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 106 | 104 | 102 |  | 102 | 101 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 95  |  | 97  | 95  | 93  |  | 95  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  |
| 4   | 100 | 94  | 89  | 85  | 99  | 93  | 88  | 85  | 90  | 87  | 84  |  | 89  | 85  | 83  |  | 87  |
| 5   | 96  | 89  | 84  | 80  | 95  | 88  | 83  | 79  | 86  | 82  | 79  |  | 85  | 81  | 78  |  | 83  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 79  | 75  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 70  |  | 77  | 73  | 70  |  | 76  |
| 8   | 85  | 76  | 71  | 67  | 83  | 76  | 71  | 67  | 75  | 70  | 67  |  | 74  | 70  | 67  |  | 73  |
| 9   | 81  | 73  | 67  | 64  | 80  | 72  | 67  | 64  | 71  | 67  | 64  |  | 70  | 66  | 63  |  | 70  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 60  |  | 67  | 63  | 60  |  | 67  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 495312 | 495312 | 495312 |
| 5°  | 486676 | 485293 | 483927 |
| 10° | 469359 | 464270 | 465197 |
| 15° | 431766 | 426328 | 427523 |
| 20° | 385557 | 381909 | 384090 |
| 25° | 300071 | 312651 | 296803 |
| 30° | 162553 | 181505 | 159649 |
| 35° | 51258  | 60992  | 50143  |
| 40° | 11308  | 15782  | 10724  |
| 45° | 317    | 4847   | 317    |
| 50° | 0      | 697    | 0      |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4847 cd/sqm

TEST NUMBER: P1309335

CATALOG NUMBER: P3SQAS17R509035DE010 E3SQCD1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 263.5  | 14.2      |
| 10°-20°   | 669.5  | 36.1      |
| 20°-30°   | 705.1  | 38.1      |
| 30°-40°   | 201.4  | 10.9      |
| 40°-50°   | 12.5   | 0.7       |
| 50°-60°   | 0.1    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 1638.1 | 88.4      |
| 0°-40°    | 1839.5 | 99.3      |
| 0°-60°    | 1852.0 | 100.0     |
| 0°-90°    | 1852.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1852.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2876 | 2876  | 2876 | 2876  | 2876 |      |
| 5°  | 2815 | 2812  | 2807 | 2804  | 2799 | 265  |
| 15° | 2422 | 2406  | 2391 | 2395  | 2398 | 675  |
| 25° | 1579 | 1637  | 1645 | 1627  | 1562 | 691  |
| 35° | 244  | 261   | 290  | 246   | 238  | 190  |
| 45° | 1    | 7     | 20   | 7     | 1    | 8    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1309335

CATALOG NUMBER: P3SQAS17R509035DE010 E3SQCD1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2876.0 | 2876.0 | 2876.0 | 2876.0 | 2876.0 |
| 1°    | 2877.3 | 2878.6 | 2876.0 | 2878.6 | 2872.0 |
| 2°    | 2873.3 | 2870.7 | 2868.0 | 2869.4 | 2865.4 |
| 3°    | 2858.8 | 2857.4 | 2852.1 | 2853.5 | 2848.2 |
| 4°    | 2840.2 | 2836.3 | 2832.3 | 2829.6 | 2824.3 |
| 5°    | 2815.1 | 2812.4 | 2807.1 | 2804.5 | 2799.2 |
| 6°    | 2793.9 | 2788.6 | 2779.3 | 2776.6 | 2771.3 |
| 7°    | 2766.0 | 2763.4 | 2751.5 | 2748.8 | 2746.2 |
| 8°    | 2744.8 | 2736.9 | 2722.3 | 2723.6 | 2717.0 |
| 9°    | 2717.0 | 2706.4 | 2691.9 | 2691.9 | 2693.2 |
| 10°   | 2683.9 | 2668.0 | 2654.8 | 2658.7 | 2660.1 |
| 11°   | 2640.2 | 2629.6 | 2609.7 | 2619.0 | 2619.0 |
| 12°   | 2592.5 | 2579.3 | 2564.7 | 2572.6 | 2577.9 |
| 13°   | 2536.9 | 2526.3 | 2513.0 | 2521.0 | 2518.3 |
| 14°   | 2482.5 | 2462.7 | 2453.4 | 2464.0 | 2460.0 |
| 15°   | 2421.6 | 2405.7 | 2391.1 | 2395.1 | 2397.8 |
| 17.5° | 2258.7 | 2241.4 | 2230.8 | 2232.2 | 2244.1 |
| 20°   | 2103.7 | 2097.1 | 2083.8 | 2089.1 | 2095.7 |
| 22.5° | 1920.9 | 1923.5 | 1907.6 | 1911.6 | 1927.5 |
| 25°   | 1579.1 | 1637.4 | 1645.3 | 1626.8 | 1561.9 |
| 27.5° | 1169.7 | 1257.2 | 1283.7 | 1241.3 | 1161.8 |
| 30°   | 817.4  | 841.2  | 912.7  | 831.9  | 802.8  |
| 32.5° | 479.6  | 515.3  | 553.7  | 498.1  | 478.2  |
| 35°   | 243.8  | 261.0  | 290.1  | 246.4  | 238.5  |
| 37.5° | 112.6  | 120.6  | 132.5  | 112.6  | 106.0  |
| 40°   | 50.3   | 59.6   | 70.2   | 57.0   | 47.7   |
| 42.5° | 15.9   | 27.8   | 37.1   | 25.2   | 14.6   |
| 45°   | 1.3    | 6.6    | 19.9   | 6.6    | 1.3    |
| 47.5° | 0.0    | 1.3    | 7.9    | 1.3    | 0.0    |
| 50°   | 0.0    | 0.0    | 2.6    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P1309335

CATALOG NUMBER: P3SQAS17R509035DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)