

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: P1313601

Luminaire Tested: P3SQAS17R459730DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313601  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R459730DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

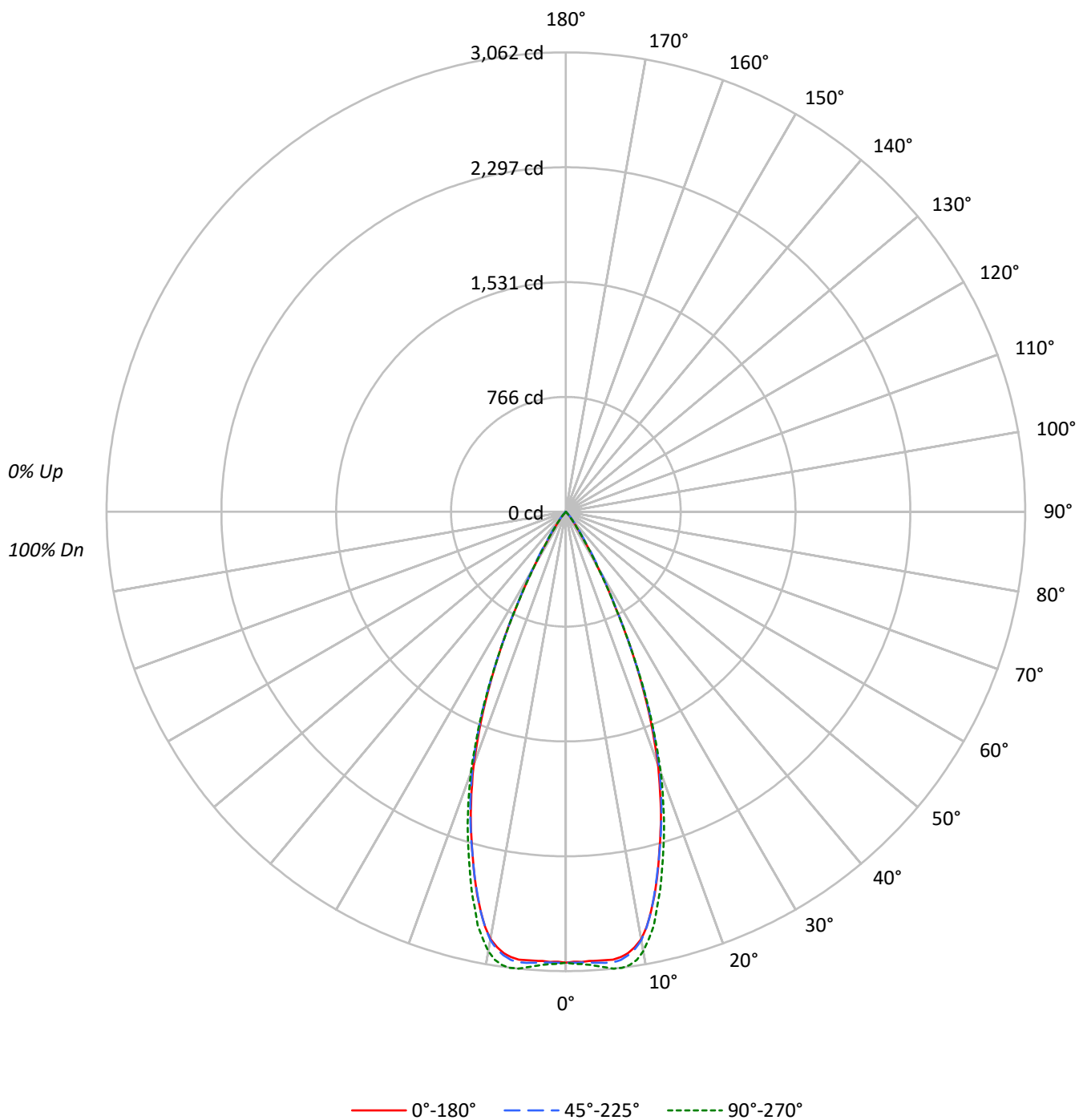
Lumens per Lamp: N/A  
Luminaire Lumens: 1554.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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### Luminous Intensity Polar Plot



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**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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 97  | 97  | 95  |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 96  | 98  | 96  | 94  | 95  | 94  | 92  | 92  | 92  | 91  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 97  | 93  | 91  | 94  | 92  | 89  | 92  | 90  | 88  | 88  | 88  | 87  |
| 4   | 102 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 89  | 86  | 90  | 87  | 85  | 89  | 86  | 84  | 84  | 84  | 83  |
| 5   | 98  | 91  | 86  | 83  | 96  | 90  | 86  | 82  | 88  | 85  | 82  | 87  | 83  | 81  | 85  | 82  | 80  | 80  | 80  | 79  |
| 6   | 94  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 81  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 77  | 77  | 75  |
| 7   | 91  | 83  | 78  | 75  | 89  | 82  | 78  | 74  | 81  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 73  | 73  | 73  | 72  |
| 8   | 87  | 79  | 75  | 71  | 86  | 79  | 74  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 70  | 70  | 69  |
| 9   | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 73  | 70  | 67  | 67  | 67  | 66  |
| 10  | 81  | 73  | 68  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 71  | 67  | 65  | 65  | 65  | 64  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 517650 | 517650 | 517650 |
| 5°  | 518832 | 521823 | 527009 |
| 10° | 505839 | 506853 | 520179 |
| 15° | 426756 | 426952 | 440967 |
| 20° | 329419 | 334075 | 339591 |
| 25° | 204355 | 204583 | 205894 |
| 30° | 84299  | 89589  | 82927  |
| 35° | 26239  | 32062  | 25250  |
| 40° | 8049   | 11174  | 7531   |
| 45° | 560    | 4214   | 560    |
| 50° | 0      | 616    | 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: 4214 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 286.1  | 18.4      |
| 10°-20°   | 665.1  | 42.8      |
| 20°-30°   | 487.9  | 31.4      |
| 30°-40°   | 104.9  | 6.7       |
| 40°-50°   | 10.0   | 0.6       |
| 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°    | 1439.1 | 92.6      |
| 0°-40°    | 1544.0 | 99.4      |
| 0°-60°    | 1554.0 | 100.0     |
| 0°-90°    | 1554.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1554.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3006 | 3006  | 3006 | 3006  | 3006 |      |
| 5°  | 3001 | 3009  | 3018 | 3039  | 3048 | 284  |
| 15° | 2394 | 2389  | 2395 | 2433  | 2473 | 659  |
| 25° | 1075 | 1072  | 1077 | 1077  | 1084 | 482  |
| 35° | 125  | 134   | 152  | 130   | 120  | 98   |
| 45° | 2    | 7     | 17   | 7     | 2    | 6    |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3005.7 | 3005.7 | 3005.7 | 3005.7 | 3005.7 |
| 1°    | 2999.9 | 3006.9 | 3006.9 | 3011.5 | 3013.8 |
| 2°    | 3002.2 | 3006.9 | 3005.7 | 3013.8 | 3017.3 |
| 3°    | 2998.8 | 3006.9 | 3009.2 | 3018.4 | 3024.2 |
| 4°    | 2999.9 | 3006.9 | 3013.8 | 3027.7 | 3035.7 |
| 5°    | 3001.1 | 3009.2 | 3018.4 | 3039.2 | 3048.4 |
| 6°    | 3002.2 | 3008.0 | 3018.4 | 3045.0 | 3062.3 |
| 7°    | 2990.7 | 2998.8 | 3010.3 | 3043.8 | 3062.3 |
| 8°    | 2972.2 | 2976.8 | 2986.1 | 3030.0 | 3051.9 |
| 9°    | 2937.6 | 2936.4 | 2950.3 | 2998.8 | 3024.2 |
| 10°   | 2892.5 | 2878.6 | 2898.3 | 2946.8 | 2974.5 |
| 11°   | 2819.7 | 2804.7 | 2822.0 | 2874.0 | 2900.6 |
| 12°   | 2725.0 | 2725.0 | 2728.5 | 2774.7 | 2820.9 |
| 13°   | 2624.5 | 2613.0 | 2619.9 | 2671.9 | 2704.2 |
| 14°   | 2513.6 | 2502.1 | 2509.0 | 2548.3 | 2599.1 |
| 15°   | 2393.5 | 2388.9 | 2394.6 | 2432.8 | 2473.2 |
| 17.5° | 2108.2 | 2097.8 | 2118.5 | 2156.7 | 2177.5 |
| 20°   | 1797.4 | 1814.7 | 1822.8 | 1847.1 | 1852.9 |
| 22.5° | 1440.5 | 1459.0 | 1470.5 | 1474.0 | 1477.4 |
| 25°   | 1075.4 | 1072.0 | 1076.6 | 1076.6 | 1083.5 |
| 27.5° | 707.0  | 707.0  | 719.7  | 711.6  | 703.5  |
| 30°   | 423.9  | 441.3  | 450.5  | 435.5  | 417.0  |
| 32.5° | 231.0  | 248.4  | 263.4  | 241.4  | 225.3  |
| 35°   | 124.8  | 134.0  | 152.5  | 130.5  | 120.1  |
| 37.5° | 68.2   | 76.2   | 87.8   | 73.9   | 68.2   |
| 40°   | 35.8   | 43.9   | 49.7   | 43.9   | 33.5   |
| 42.5° | 11.6   | 21.9   | 28.9   | 21.9   | 10.4   |
| 45°   | 2.3    | 6.9    | 17.3   | 6.9    | 2.3    |
| 47.5° | 0.0    | 1.2    | 8.1    | 1.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 2.3    | 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    |



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)