

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: P1306120

Luminaire Tested: P3SQASS17R459024DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS17R459024DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

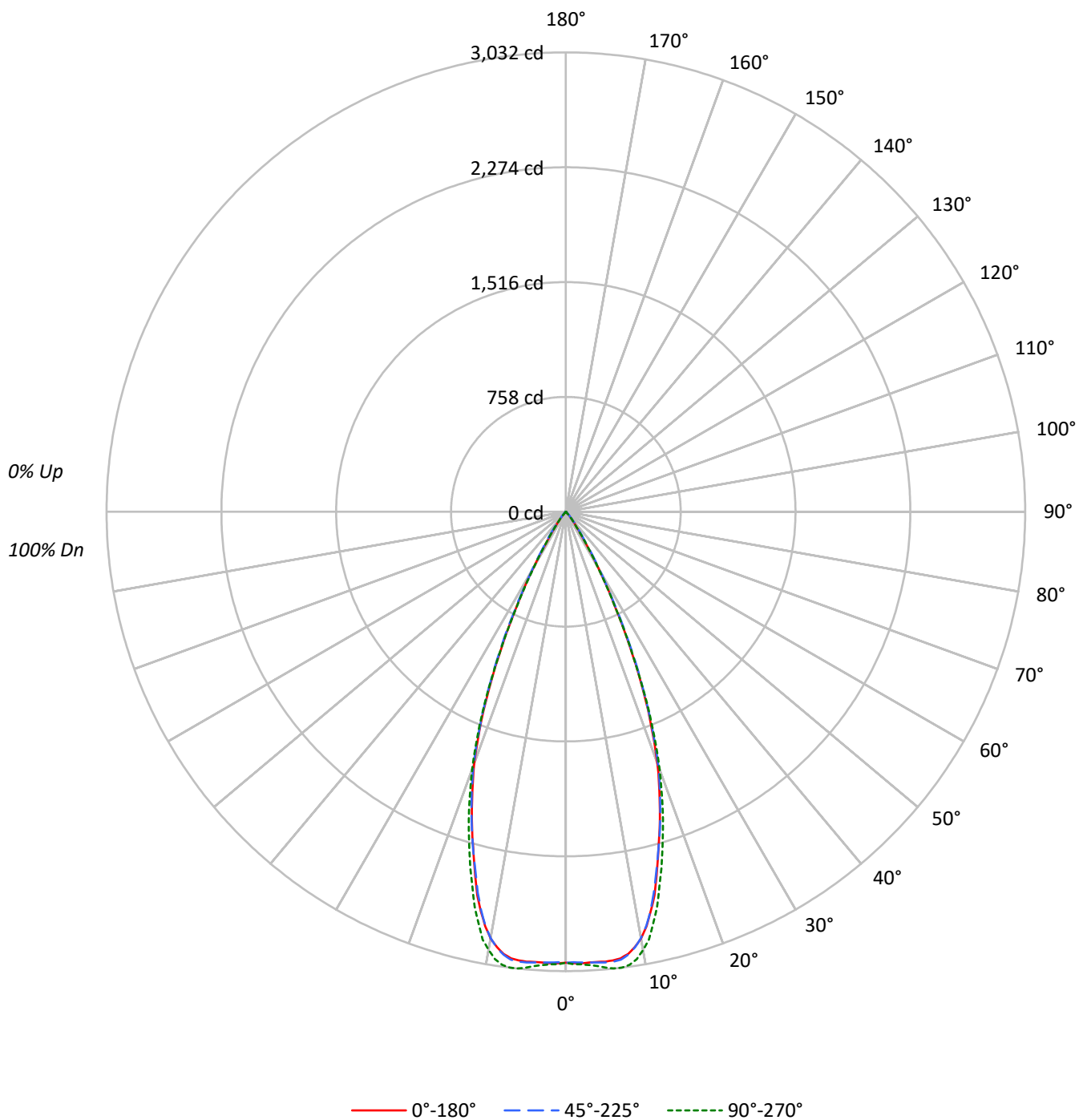
Lumens per Lamp: N/A  
Luminaire Lumens: 1541.0 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1306120

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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  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  | 98  | 97  | 95  |
| 2   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 98  | 101 | 98  | 96  |  | 98  | 96  | 94  |  | 95  | 94  | 92  | 91  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 91  |  | 94  | 91  | 89  |  | 92  | 90  | 88  | 86  |
| 4   | 101 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 88  | 86  |  | 90  | 87  | 85  |  | 88  | 86  | 84  | 82  |
| 5   | 98  | 91  | 86  | 82  | 96  | 90  | 85  | 82  | 88  | 84  | 81  |  | 87  | 83  | 81  |  | 85  | 82  | 80  | 79  |
| 6   | 94  | 86  | 82  | 78  | 93  | 86  | 81  | 78  | 84  | 80  | 77  |  | 83  | 79  | 77  |  | 82  | 79  | 76  | 75  |
| 7   | 90  | 83  | 78  | 74  | 89  | 82  | 77  | 74  | 81  | 77  | 74  |  | 80  | 76  | 73  |  | 79  | 75  | 73  | 72  |
| 8   | 87  | 79  | 74  | 71  | 86  | 79  | 74  | 71  | 78  | 73  | 70  |  | 77  | 73  | 70  |  | 76  | 72  | 70  | 69  |
| 9   | 84  | 76  | 71  | 68  | 83  | 75  | 71  | 68  | 75  | 70  | 67  |  | 74  | 70  | 67  |  | 73  | 70  | 67  | 66  |
| 10  | 81  | 73  | 68  | 65  | 80  | 72  | 68  | 65  | 72  | 67  | 65  |  | 71  | 67  | 64  |  | 70  | 67  | 64  | 63  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 512776 | 512776 | 512776 |
| 5°  | 515322 | 516308 | 522203 |
| 10° | 500033 | 499631 | 513534 |
| 15° | 419072 | 418858 | 434263 |
| 20° | 323958 | 327293 | 331875 |
| 25° | 198597 | 202701 | 199034 |
| 30° | 85174  | 89012  | 82450  |
| 35° | 26743  | 32252  | 26028  |
| 40° | 9195   | 11758  | 8948   |
| 45° | 1656   | 4969   | 1388   |
| 50° | 911    | 1822   | 911    |
| 55° | 1021   | 1021   | 1021   |
| 60° | 792    | 792    | 792    |
| 65° | 937    | 937    | 937    |
| 70° | 554    | 554    | 554    |
| 75° | 732    | 732    | 732    |
| 80° | 1091   | 1091   | 1091   |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4969 cd/sqm

TEST NUMBER: P1306120

CATALOG NUMBER: P3SQASS17R459024DE010 E3SQCD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 283.0  | 18.4      |
| 10°-20°   | 653.9  | 42.4      |
| 20°-30°   | 478.8  | 31.1      |
| 30°-40°   | 105.8  | 6.9       |
| 40°-50°   | 13.0   | 0.8       |
| 50°-60°   | 3.0    | 0.2       |
| 60°-70°   | 2.2    | 0.1       |
| 70°-80°   | 1.2    | 0.1       |
| 80°-90°   | 0.1    | 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       |
| 0°-30°    | 1415.6 | 91.9      |
| 0°-40°    | 1521.4 | 98.7      |
| 0°-60°    | 1537.4 | 99.8      |
| 0°-90°    | 1541.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1541.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2977 | 2977  | 2977 | 2977  | 2977 |      |
| 5°  | 2981 | 2979  | 2986 | 3008  | 3021 | 281  |
| 15° | 2350 | 2338  | 2349 | 2406  | 2436 | 649  |
| 25° | 1045 | 1044  | 1067 | 1059  | 1047 | 473  |
| 35° | 127  | 134   | 153  | 134   | 124  | 100  |
| 45° | 7    | 11    | 20   | 11    | 6    | 9    |
| 55° | 3    | 3     | 3    | 3     | 3    | 3    |
| 65° | 2    | 2     | 2    | 2     | 2    | 2    |
| 75° | 1    | 1     | 1    | 1     | 1    | 1    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1306120

CATALOG NUMBER: P3SQASS17R459024DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2977.4 | 2977.4 | 2977.4 | 2977.4 | 2977.4 |
| 1°    | 2979.7 | 2975.2 | 2974.0 | 2982.0 | 2987.6 |
| 2°    | 2982.0 | 2976.3 | 2977.4 | 2985.4 | 2988.8 |
| 3°    | 2979.7 | 2974.0 | 2979.7 | 2991.1 | 2995.6 |
| 4°    | 2978.6 | 2976.3 | 2982.0 | 2997.9 | 3005.8 |
| 5°    | 2980.8 | 2978.6 | 2986.5 | 3008.1 | 3020.6 |
| 6°    | 2977.4 | 2974.0 | 2985.4 | 3012.6 | 3030.8 |
| 7°    | 2969.5 | 2966.1 | 2978.6 | 3011.5 | 3031.9 |
| 8°    | 2947.9 | 2941.1 | 2953.6 | 2994.5 | 3019.5 |
| 9°    | 2909.3 | 2900.2 | 2912.7 | 2960.4 | 2989.9 |
| 10°   | 2859.3 | 2849.1 | 2857.0 | 2903.6 | 2936.5 |
| 11°   | 2787.7 | 2774.1 | 2783.2 | 2833.2 | 2876.3 |
| 12°   | 2696.8 | 2677.5 | 2688.9 | 2745.7 | 2776.4 |
| 13°   | 2598.0 | 2579.8 | 2582.1 | 2633.2 | 2676.4 |
| 14°   | 2475.3 | 2451.5 | 2461.7 | 2515.1 | 2549.2 |
| 15°   | 2350.4 | 2337.9 | 2349.2 | 2406.0 | 2435.6 |
| 17.5° | 2064.1 | 2063.0 | 2073.2 | 2115.2 | 2131.1 |
| 20°   | 1767.6 | 1771.0 | 1785.8 | 1808.5 | 1810.8 |
| 22.5° | 1416.6 | 1417.7 | 1433.6 | 1449.5 | 1446.1 |
| 25°   | 1045.1 | 1044.0 | 1066.7 | 1058.7 | 1047.4 |
| 27.5° | 693.0  | 697.5  | 717.9  | 703.2  | 691.8  |
| 30°   | 428.3  | 437.4  | 447.6  | 429.4  | 414.6  |
| 32.5° | 231.7  | 246.5  | 261.3  | 245.4  | 230.6  |
| 35°   | 127.2  | 134.0  | 153.4  | 134.0  | 123.8  |
| 37.5° | 73.8   | 77.2   | 89.7   | 77.2   | 70.4   |
| 40°   | 40.9   | 46.6   | 52.3   | 46.6   | 39.8   |
| 42.5° | 17.0   | 26.1   | 31.8   | 26.1   | 17.0   |
| 45°   | 6.8    | 11.4   | 20.4   | 11.4   | 5.7    |
| 47.5° | 3.4    | 4.5    | 12.5   | 4.5    | 3.4    |
| 50°   | 3.4    | 3.4    | 6.8    | 3.4    | 3.4    |
| 52.5° | 3.4    | 3.4    | 3.4    | 3.4    | 3.4    |
| 55°   | 3.4    | 3.4    | 3.4    | 3.4    | 3.4    |
| 57.5° | 3.4    | 3.4    | 3.4    | 3.4    | 3.4    |
| 60°   | 2.3    | 2.3    | 2.3    | 3.4    | 2.3    |
| 62.5° | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    |
| 65°   | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    |
| 67.5° | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    |
| 70°   | 1.1    | 1.1    | 1.1    | 2.3    | 1.1    |
| 72.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 75°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 77.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 80°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 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)