

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: P1306518

Luminaire Tested: P3SQAS05R159027DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306518  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R159027DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

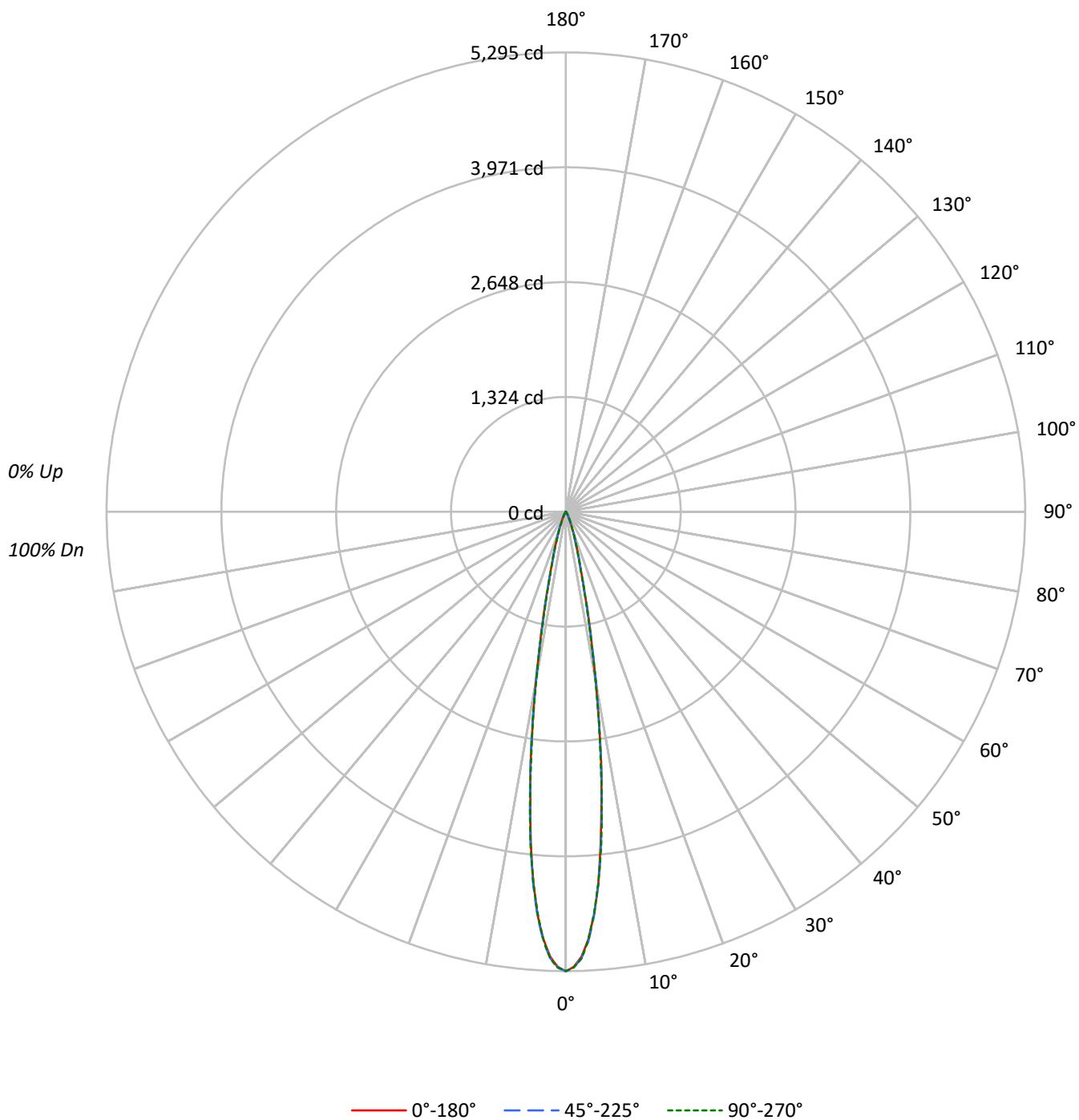
Lumens per Lamp: N/A  
Luminaire Lumens: 591.0 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 91  | 91  | 90  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 92  | 90  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 90  | 88  | 87  | 87  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  | 90  | 87  | 85  | 89  | 87  | 85  | 85  | 85  | 84  |
| 10  | 95  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 85  | 84  | 84  | 84  | 83  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 911971 | 911971 | 911971 |
| 5°  | 742522 | 744942 | 743490 |
| 10° | 346366 | 349479 | 345055 |
| 15° | 108762 | 109689 | 109011 |
| 20° | 43088  | 44811  | 41732  |
| 25° | 17406  | 21055  | 16779  |
| 30° | 6980   | 9565   | 6602   |
| 35° | 2060   | 4226   | 1955   |
| 40° | 629    | 1574   | 517    |
| 45° | 122    | 341    | 122    |
| 50° | 0      | 134    | 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: 341 cd/sqm

TEST NUMBER: P1306518

CATALOG NUMBER: P3SQAS05R159027DE010 E3SQCD1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 331.5  | 56.1      |
| 10°-20°   | 198.3  | 33.6      |
| 20°-30°   | 50.0   | 8.5       |
| 30°-40°   | 10.2   | 1.7       |
| 40°-50°   | 0.9    | 0.2       |
| 50°-60°   | 0.0    | 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°    | 579.8  | 98.1      |
| 0°-40°    | 590.0  | 99.8      |
| 0°-60°    | 591.0  | 100.0     |
| 0°-90°    | 591.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 591.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5295 | 5295  | 5295 | 5295  | 5295 |      |
| 5°  | 4295 | 4287  | 4309 | 4298  | 4301 | 331  |
| 15° | 610  | 615   | 615  | 606   | 611  | 198  |
| 25° | 92   | 100   | 111  | 98    | 88   | 47   |
| 35° | 10   | 13    | 20   | 13    | 9    | 8    |
| 45° | 0    | 1     | 1    | 1     | 0    | 1    |
| 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: P1306518

CATALOG NUMBER: P3SQAS05R159027DE010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 5295.3 | 5295.3 | 5295.3 | 5295.3 | 5295.3 |
| 1°    | 5247.7 | 5265.4 | 5256.1 | 5263.6 | 5255.1 |
| 2°    | 5134.1 | 5157.9 | 5150.4 | 5148.1 | 5154.6 |
| 3°    | 4934.0 | 4961.6 | 4960.6 | 4953.6 | 4942.4 |
| 4°    | 4661.0 | 4649.8 | 4667.1 | 4665.2 | 4646.0 |
| 5°    | 4295.0 | 4287.0 | 4309.0 | 4298.3 | 4300.6 |
| 6°    | 3847.2 | 3881.8 | 3874.3 | 3875.2 | 3884.1 |
| 7°    | 3366.1 | 3384.8 | 3400.7 | 3413.8 | 3395.6 |
| 8°    | 2924.4 | 2919.7 | 2921.1 | 2936.1 | 2885.6 |
| 9°    | 2429.8 | 2458.8 | 2440.1 | 2410.2 | 2429.4 |
| 10°   | 1980.6 | 1998.4 | 1998.4 | 1972.2 | 1973.1 |
| 11°   | 1579.1 | 1593.6 | 1583.3 | 1589.8 | 1548.7 |
| 12°   | 1272.9 | 1236.9 | 1228.5 | 1235.0 | 1234.6 |
| 13°   | 971.8  | 974.2  | 971.8  | 971.4  | 966.7  |
| 14°   | 762.0  | 774.1  | 769.0  | 756.3  | 750.7  |
| 15°   | 610.0  | 615.2  | 615.2  | 606.3  | 611.4  |
| 17.5° | 366.5  | 372.6  | 374.0  | 367.9  | 367.9  |
| 20°   | 235.1  | 237.9  | 244.5  | 235.6  | 227.7  |
| 22.5° | 144.9  | 151.0  | 162.2  | 149.1  | 142.6  |
| 25°   | 91.6   | 100.0  | 110.8  | 98.2   | 88.3   |
| 27.5° | 57.5   | 64.5   | 73.9   | 61.7   | 55.6   |
| 30°   | 35.1   | 39.7   | 48.1   | 38.8   | 33.2   |
| 32.5° | 19.6   | 23.4   | 30.4   | 22.4   | 18.7   |
| 35°   | 9.8    | 13.1   | 20.1   | 12.6   | 9.3    |
| 37.5° | 5.6    | 7.0    | 12.6   | 6.1    | 5.1    |
| 40°   | 2.8    | 3.7    | 7.0    | 3.7    | 2.3    |
| 42.5° | 0.9    | 1.9    | 2.8    | 1.9    | 0.9    |
| 45°   | 0.5    | 0.9    | 1.4    | 0.9    | 0.5    |
| 47.5° | 0.0    | 0.0    | 0.5    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.5    | 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)