

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: P1309705

Luminaire Tested: P3SQAS02R159040DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309705  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R159040DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

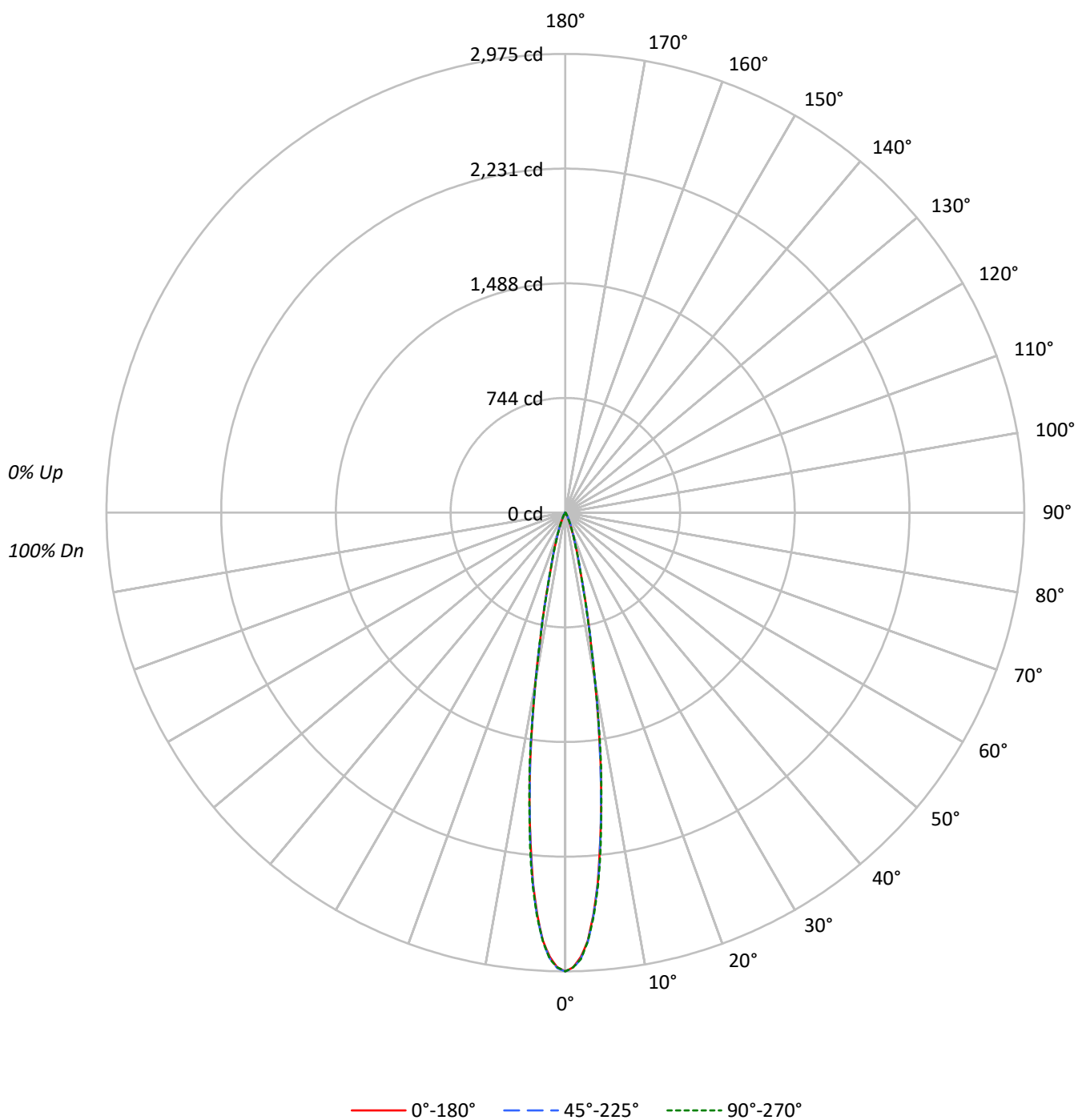
Lumens per Lamp: N/A  
Luminaire Lumens: 334.0 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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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 | 100 | 100 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 98  | 98  |
| 2   | 112 | 109 | 107 | 105 | 110 | 108 | 105 | 103 | 105 | 103 | 101 | 102 | 100 | 99  | 99  | 98  | 97  | 96  | 96  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 104 | 102 | 99  | 102 | 100 | 98  | 100 | 98  | 96  | 98  | 96  | 95  | 94  | 94  | 94  |
| 4   | 107 | 102 | 99  | 97  | 106 | 101 | 98  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92  | 92  |
| 5   | 105 | 100 | 96  | 94  | 103 | 99  | 96  | 93  | 97  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 90  | 90  | 90  |
| 6   | 102 | 97  | 94  | 91  | 101 | 97  | 93  | 91  | 95  | 92  | 90  | 94  | 92  | 90  | 93  | 91  | 89  | 88  | 88  | 88  |
| 7   | 100 | 95  | 92  | 89  | 99  | 94  | 91  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 92  | 89  | 88  | 87  | 87  | 87  |
| 8   | 98  | 93  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 88  | 86  | 85  | 85  | 85  |
| 9   | 97  | 91  | 88  | 86  | 96  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 87  | 85  | 89  | 86  | 85  | 84  | 84  | 84  |
| 10  | 95  | 89  | 86  | 84  | 94  | 89  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 84  | 87  | 85  | 83  | 83  | 83  | 83  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 512397 | 512397 | 512397 |
| 5°  | 416642 | 418094 | 419546 |
| 10° | 194046 | 194221 | 193172 |
| 15° | 60033  | 62190  | 61014  |
| 20° | 23936  | 25274  | 23643  |
| 25° | 10014  | 11820  | 9520   |
| 30° | 4077   | 5429   | 3759   |
| 35° | 1325   | 2481   | 1219   |
| 40° | 472    | 1012   | 472    |
| 45° | 195    | 317    | 195    |
| 50° | 134    | 214    | 134    |
| 55° | 150    | 150    | 150    |
| 60° | 172    | 172    | 172    |
| 65° | 122    | 122    | 122    |
| 70° | 151    | 151    | 151    |
| 75° | 200    | 200    | 200    |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 317 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 186.2  | 55.8      |
| 10°-20°   | 111.3  | 33.3      |
| 20°-30°   | 28.3   | 8.5       |
| 30°-40°   | 6.2    | 1.8       |
| 40°-50°   | 1.0    | 0.3       |
| 50°-60°   | 0.5    | 0.1       |
| 60°-70°   | 0.3    | 0.1       |
| 70°-80°   | 0.2    | 0.1       |
| 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°    | 325.9  | 97.6      |
| 0°-40°    | 332.1  | 99.4      |
| 0°-60°    | 333.5  | 99.8      |
| 0°-90°    | 334.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 334.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2975 | 2975  | 2975 | 2975  | 2975 |      |
| 5°  | 2410 | 2414  | 2418 | 2407  | 2427 | 186  |
| 15° | 337  | 346   | 349  | 344   | 342  | 111  |
| 25° | 53   | 56    | 62   | 55    | 50   | 27   |
| 35° | 6    | 8     | 12   | 8     | 6    | 5    |
| 45° | 1    | 1     | 1    | 1     | 1    | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2975.2 | 2975.2 | 2975.2 | 2975.2 | 2975.2 |
| 1°    | 2949.2 | 2954.2 | 2955.0 | 2954.2 | 2950.0 |
| 2°    | 2882.9 | 2897.6 | 2894.4 | 2888.1 | 2897.0 |
| 3°    | 2780.3 | 2787.7 | 2786.6 | 2787.2 | 2785.1 |
| 4°    | 2613.6 | 2626.4 | 2619.1 | 2624.6 | 2625.1 |
| 5°    | 2410.0 | 2413.5 | 2418.4 | 2407.4 | 2426.8 |
| 6°    | 2159.6 | 2181.4 | 2162.2 | 2181.1 | 2188.7 |
| 7°    | 1905.0 | 1917.5 | 1893.2 | 1906.3 | 1914.1 |
| 8°    | 1644.5 | 1622.5 | 1635.9 | 1636.2 | 1662.1 |
| 9°    | 1363.4 | 1367.9 | 1379.2 | 1366.3 | 1377.6 |
| 10°   | 1109.6 | 1119.8 | 1110.6 | 1106.2 | 1104.6 |
| 11°   | 876.2  | 887.7  | 886.9  | 888.2  | 879.6  |
| 12°   | 704.9  | 698.9  | 702.8  | 690.0  | 695.7  |
| 13°   | 548.6  | 548.9  | 545.7  | 540.5  | 535.8  |
| 14°   | 429.8  | 427.2  | 434.5  | 428.0  | 422.0  |
| 15°   | 336.7  | 346.2  | 348.8  | 343.8  | 342.2  |
| 17.5° | 207.7  | 208.0  | 211.6  | 206.9  | 206.4  |
| 20°   | 130.6  | 133.7  | 137.9  | 133.0  | 129.0  |
| 22.5° | 82.6   | 85.5   | 92.0   | 85.8   | 80.2   |
| 25°   | 52.7   | 56.4   | 62.2   | 55.1   | 50.1   |
| 27.5° | 33.0   | 36.5   | 42.0   | 35.4   | 31.7   |
| 30°   | 20.5   | 22.8   | 27.3   | 22.3   | 18.9   |
| 32.5° | 11.8   | 14.2   | 17.8   | 13.4   | 11.3   |
| 35°   | 6.3    | 8.1    | 11.8   | 7.9    | 5.8    |
| 37.5° | 3.7    | 4.7    | 7.6    | 4.2    | 3.4    |
| 40°   | 2.1    | 2.9    | 4.5    | 2.6    | 2.1    |
| 42.5° | 1.3    | 1.8    | 2.1    | 1.6    | 1.0    |
| 45°   | 0.8    | 1.0    | 1.3    | 1.0    | 0.8    |
| 47.5° | 0.5    | 0.8    | 1.0    | 0.5    | 0.5    |
| 50°   | 0.5    | 0.5    | 0.8    | 0.5    | 0.5    |
| 52.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 55°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 57.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 60°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 62.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 65°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 67.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 70°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 72.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 75°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 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)