

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: P1307644

Luminaire Tested: P3SQAS05R159030DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R159030DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

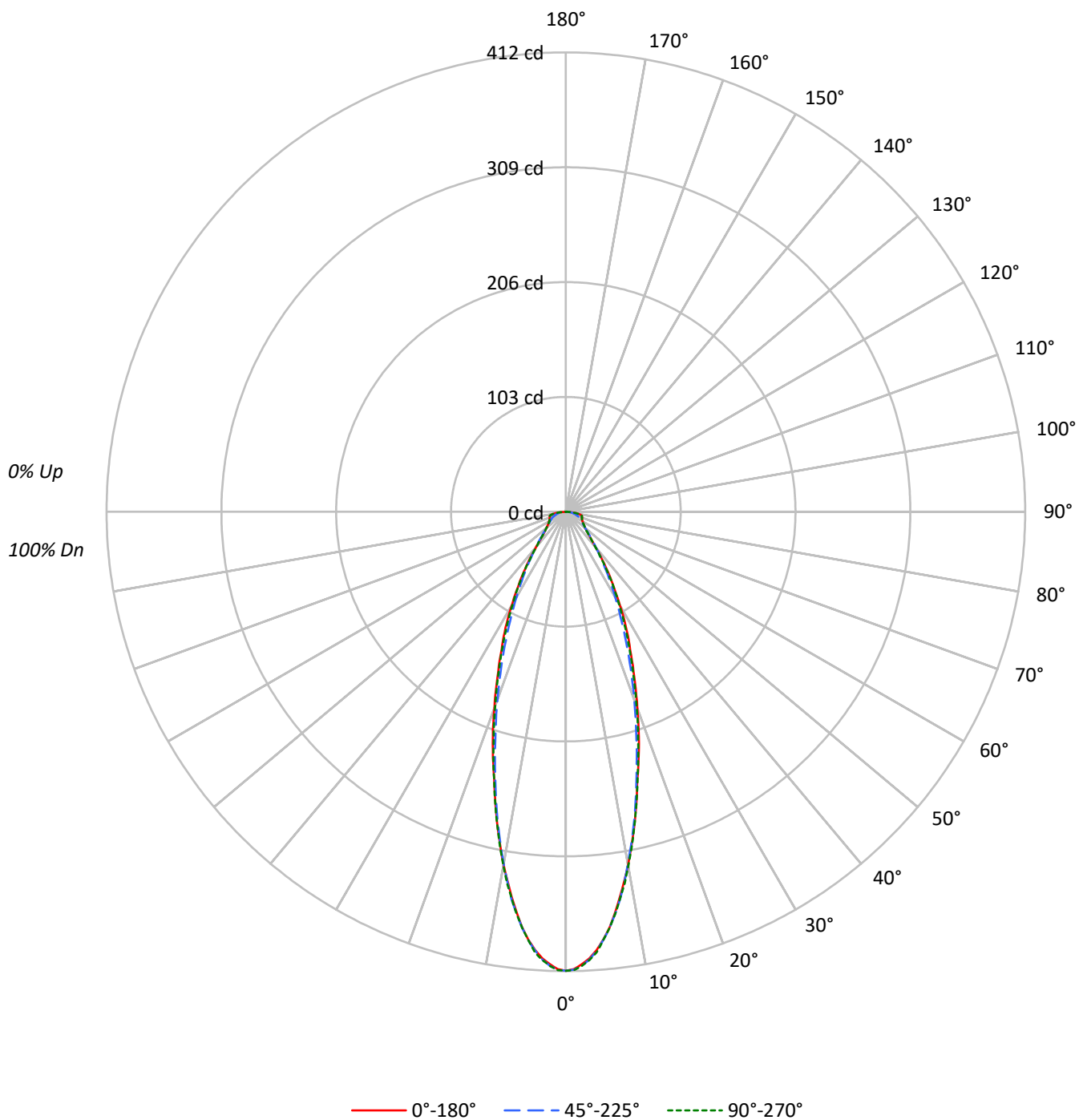
Lumens per Lamp: N/A  
Luminaire Lumens: 276.0 lumens  
Efficiency: N/A  
Efficacy: 38.3 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  |  | 97  | 95  | 94  |  | 94  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  |  | 90  | 86  | 83  |  | 87  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 86  | 81  | 77  |  | 83  | 79  | 76  |  | 81  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  |  | 77  | 73  | 69  |  | 75  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 64  |  | 73  | 68  | 64  |  | 71  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 70  | 64  | 60  |  | 68  | 63  | 59  |  | 67  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 61  | 56  | 66  | 60  | 56  |  | 64  | 59  | 55  |  | 63  |
| 8   | 74  | 64  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  |  | 61  | 56  | 52  |  | 60  |
| 9   | 71  | 60  | 54  | 49  | 70  | 60  | 54  | 49  | 59  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |
| 10  | 68  | 57  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 50  | 46  |  | 55  | 50  | 46  |  | 54  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 70904 | 70904 | 70904 |
| 5°  | 66594 | 66680 | 66680 |
| 10° | 56259 | 56084 | 56434 |
| 15° | 44236 | 43612 | 44325 |
| 20° | 34382 | 32825 | 33924 |
| 25° | 25958 | 24152 | 25578 |
| 30° | 19290 | 17600 | 18892 |
| 35° | 13771 | 12825 | 13561 |
| 40° | 9330  | 9442  | 9218  |
| 45° | 6941  | 7307  | 6941  |
| 50° | 6028  | 6028  | 6028  |
| 55° | 5855  | 5555  | 5855  |
| 60° | 6028  | 5511  | 5856  |
| 65° | 6520  | 5705  | 6520  |
| 70° | 7805  | 5791  | 7805  |
| 75° | 9981  | 5989  | 9981  |
| 80° | 12397 | 6447  | 11901 |
| 85° | 9880  | 5928  | 10868 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 12397 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 34.7   | 12.6      |
| 10°-20°   | 68.6   | 24.9      |
| 20°-30°   | 60.7   | 22.0      |
| 30°-40°   | 39.8   | 14.4      |
| 40°-50°   | 23.3   | 8.4       |
| 50°-60°   | 17.1   | 6.2       |
| 60°-70°   | 14.6   | 5.3       |
| 70°-80°   | 12.0   | 4.4       |
| 80°-90°   | 5.0    | 1.8       |
| 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°    | 164.0  | 59.4      |
| 0°-40°    | 203.9  | 73.9      |
| 0°-60°    | 244.3  | 88.5      |
| 0°-90°    | 276.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 276.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 412 | 412   | 412 | 412   | 412 |      |
| 5°  | 385 | 385   | 386 | 386   | 386 | 35   |
| 15° | 248 | 248   | 245 | 248   | 249 | 69   |
| 25° | 137 | 132   | 127 | 131   | 135 | 63   |
| 35° | 66  | 63    | 61  | 62    | 64  | 41   |
| 45° | 28  | 29    | 30  | 29    | 28  | 23   |
| 55° | 20  | 19    | 18  | 19    | 20  | 18   |
| 65° | 16  | 14    | 14  | 14    | 16  | 16   |
| 75° | 15  | 11    | 9   | 12    | 15  | 15   |
| 85° | 5   | 6     | 3   | 5     | 6   | 6    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 411.7 | 411.7 | 411.7 | 411.7 | 411.7 |
| 1°    | 410.2 | 410.7 | 410.7 | 411.2 | 411.2 |
| 2°    | 406.2 | 407.2 | 407.7 | 407.7 | 407.7 |
| 3°    | 401.2 | 401.7 | 402.2 | 402.7 | 402.7 |
| 4°    | 394.2 | 394.7 | 394.7 | 395.7 | 396.2 |
| 5°    | 385.2 | 385.2 | 385.7 | 386.2 | 385.7 |
| 6°    | 374.7 | 374.7 | 375.2 | 375.2 | 375.2 |
| 7°    | 362.2 | 362.7 | 363.2 | 363.7 | 363.2 |
| 8°    | 348.7 | 349.2 | 350.7 | 350.7 | 350.2 |
| 9°    | 335.2 | 335.7 | 335.7 | 337.2 | 337.2 |
| 10°   | 321.7 | 321.7 | 320.7 | 321.7 | 322.7 |
| 12.5° | 285.1 | 284.6 | 283.1 | 284.6 | 285.6 |
| 15°   | 248.1 | 248.1 | 244.6 | 247.6 | 248.6 |
| 17.5° | 218.1 | 213.6 | 210.1 | 213.1 | 215.6 |
| 20°   | 187.6 | 183.1 | 179.1 | 182.1 | 185.1 |
| 22.5° | 160.1 | 156.6 | 151.6 | 154.6 | 158.1 |
| 25°   | 136.6 | 132.1 | 127.1 | 130.6 | 134.6 |
| 27.5° | 117.1 | 111.1 | 106.1 | 110.1 | 113.6 |
| 30°   | 97.0  | 93.0  | 88.5  | 91.5  | 95.0  |
| 32.5° | 80.0  | 77.0  | 73.5  | 76.0  | 79.0  |
| 35°   | 65.5  | 63.0  | 61.0  | 62.5  | 64.5  |
| 37.5° | 52.5  | 51.5  | 50.5  | 51.0  | 51.0  |
| 40°   | 41.5  | 42.0  | 42.0  | 42.0  | 41.0  |
| 42.5° | 34.0  | 34.5  | 35.5  | 34.5  | 34.0  |
| 45°   | 28.5  | 29.0  | 30.0  | 29.0  | 28.5  |
| 47.5° | 25.0  | 25.5  | 26.0  | 25.0  | 25.0  |
| 50°   | 22.5  | 22.5  | 22.5  | 22.5  | 22.5  |
| 52.5° | 21.0  | 20.5  | 20.5  | 20.5  | 21.0  |
| 55°   | 19.5  | 19.0  | 18.5  | 19.0  | 19.5  |
| 57.5° | 18.0  | 17.5  | 17.0  | 17.5  | 18.0  |
| 60°   | 17.5  | 16.5  | 16.0  | 16.5  | 17.0  |
| 62.5° | 16.5  | 15.5  | 15.0  | 15.5  | 16.5  |
| 65°   | 16.0  | 14.5  | 14.0  | 14.5  | 16.0  |
| 67.5° | 15.5  | 13.5  | 12.5  | 13.5  | 15.5  |
| 70°   | 15.5  | 12.5  | 11.5  | 13.0  | 15.5  |
| 72.5° | 15.0  | 12.0  | 10.0  | 12.0  | 15.0  |
| 75°   | 15.0  | 11.0  | 9.0   | 11.5  | 15.0  |
| 77.5° | 14.0  | 10.0  | 7.5   | 10.5  | 14.0  |
| 80°   | 12.5  | 9.0   | 6.5   | 9.5   | 12.0  |
| 82.5° | 9.0   | 7.5   | 5.0   | 7.5   | 9.0   |
| 85°   | 5.0   | 5.5   | 3.0   | 5.0   | 5.5   |
| 87.5° | 0.5   | 1.5   | 1.0   | 3.0   | 2.5   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)