

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: P1305919

Luminaire Tested: P3SQAS13R309024DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305919  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R309024DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

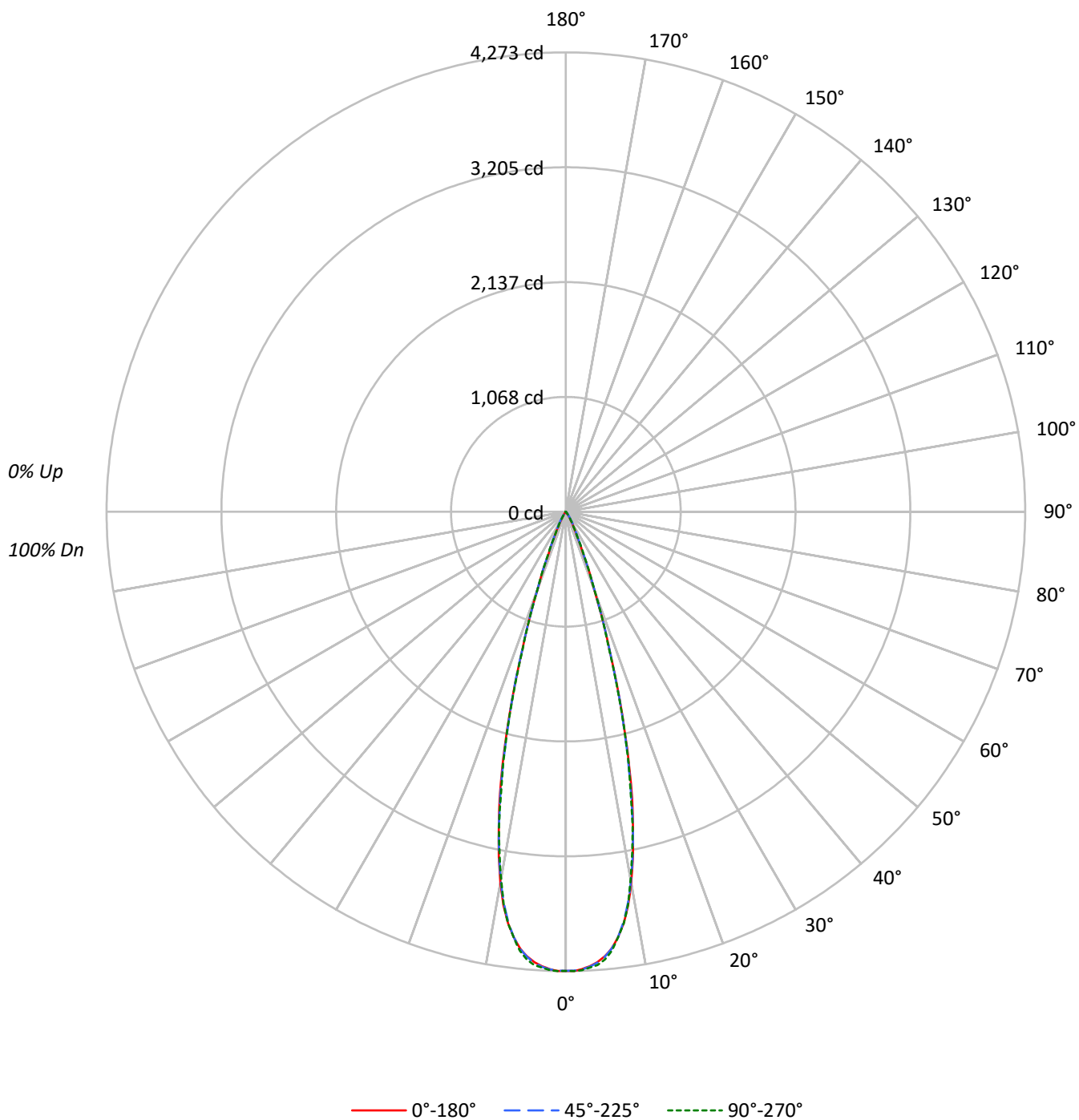
Lumens per Lamp: N/A  
Luminaire Lumens: 1102.0 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 102 | 101 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  |  | 100 | 99  | 97  |  | 98  |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  |  | 98  | 95  | 94  |  | 95  |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  |  | 95  | 92  | 90  |  | 93  |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  |  | 90  | 87  | 85  |  | 89  |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  |  | 87  | 85  | 82  |  | 87  |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  |  | 85  | 82  | 80  |  | 84  |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  |  | 81  | 78  | 76  |  | 80  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 735528 | 735528 | 735528 |
| 5°  | 717592 | 718474 | 722485 |
| 10° | 612865 | 610032 | 606429 |
| 15° | 378206 | 373784 | 375157 |
| 20° | 142937 | 143725 | 143578 |
| 25° | 43972  | 48210  | 45929  |
| 30° | 17719  | 22492  | 18415  |
| 35° | 5235   | 9545   | 5403   |
| 40° | 2113   | 3844   | 2113   |
| 45° | 414    | 1242   | 414    |
| 50° | 0      | 241    | 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: 1242 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 376.7  | 34.2      |
| 10°-20°   | 557.7  | 50.6      |
| 20°-30°   | 138.3  | 12.6      |
| 30°-40°   | 26.0   | 2.4       |
| 40°-50°   | 3.3    | 0.3       |
| 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°    | 1072.7 | 97.3      |
| 0°-40°    | 1098.7 | 99.7      |
| 0°-60°    | 1102.0 | 100.0     |
| 0°-90°    | 1102.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1102.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4271 | 4271  | 4271 | 4271  | 4271 |      |
| 5°  | 4151 | 4149  | 4156 | 4163  | 4179 | 377  |
| 15° | 2121 | 2101  | 2096 | 2113  | 2104 | 560  |
| 25° | 231  | 247   | 254  | 253   | 242  | 133  |
| 35° | 25   | 33    | 45   | 33    | 26   | 21   |
| 45° | 2    | 3     | 5    | 3     | 2    | 2    |
| 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°    | 4270.8 | 4270.8 | 4270.8 | 4270.8 | 4270.8 |
| 1°    | 4272.5 | 4269.1 | 4269.1 | 4263.9 | 4273.3 |
| 2°    | 4257.1 | 4253.6 | 4259.6 | 4255.3 | 4267.3 |
| 3°    | 4233.9 | 4229.6 | 4238.2 | 4240.8 | 4246.8 |
| 4°    | 4199.6 | 4196.2 | 4205.6 | 4210.8 | 4227.1 |
| 5°    | 4150.8 | 4149.1 | 4155.9 | 4162.8 | 4179.1 |
| 6°    | 4083.9 | 4081.4 | 4085.6 | 4094.2 | 4104.5 |
| 7°    | 3987.1 | 3981.9 | 3985.4 | 3987.1 | 3989.6 |
| 8°    | 3864.5 | 3856.8 | 3852.5 | 3861.9 | 3867.1 |
| 9°    | 3706.8 | 3698.2 | 3688.8 | 3685.4 | 3697.4 |
| 10°   | 3504.5 | 3491.7 | 3488.3 | 3479.7 | 3467.7 |
| 11°   | 3269.7 | 3259.4 | 3256.9 | 3241.4 | 3234.6 |
| 12°   | 3000.6 | 2995.5 | 3001.5 | 2992.0 | 2988.6 |
| 13°   | 2742.6 | 2710.0 | 2705.8 | 2687.8 | 2678.3 |
| 14°   | 2437.5 | 2407.5 | 2406.6 | 2397.2 | 2410.1 |
| 15°   | 2121.2 | 2100.7 | 2096.4 | 2112.7 | 2104.1 |
| 17.5° | 1352.5 | 1366.2 | 1362.7 | 1354.2 | 1339.6 |
| 20°   | 779.9  | 770.5  | 784.2  | 787.6  | 783.4  |
| 22.5° | 415.7  | 419.1  | 421.7  | 432.0  | 438.8  |
| 25°   | 231.4  | 246.8  | 253.7  | 252.8  | 241.7  |
| 27.5° | 144.0  | 153.4  | 166.3  | 157.7  | 148.3  |
| 30°   | 89.1   | 96.8   | 113.1  | 97.7   | 92.6   |
| 32.5° | 48.0   | 60.9   | 72.9   | 60.9   | 49.7   |
| 35°   | 24.9   | 32.6   | 45.4   | 33.4   | 25.7   |
| 37.5° | 16.3   | 18.9   | 29.1   | 18.9   | 16.3   |
| 40°   | 9.4    | 12.0   | 17.1   | 12.0   | 9.4    |
| 42.5° | 4.3    | 6.9    | 9.4    | 6.9    | 4.3    |
| 45°   | 1.7    | 2.6    | 5.1    | 3.4    | 1.7    |
| 47.5° | 0.0    | 0.9    | 2.6    | 0.9    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.9    | 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)