

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: P1315158

Luminaire Tested: P3SQAS09R209740DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315158  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R209740DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

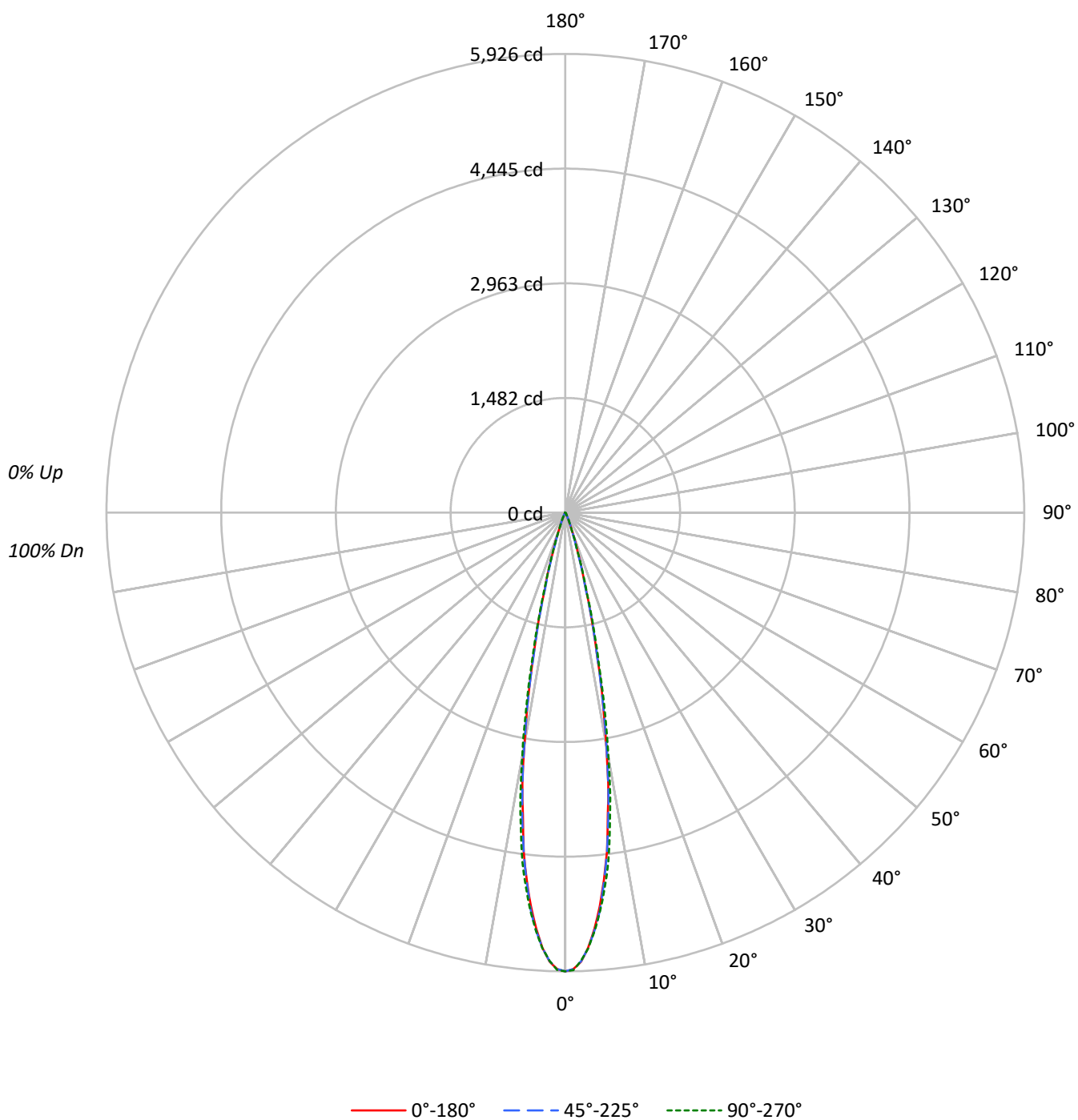
Lumens per Lamp: N/A  
Luminaire Lumens: 796.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 |  | 104 | 103 | 102 |  | 101 |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 |  | 102 | 101 | 99  |  | 99  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  |  | 100 | 98  | 97  |  | 98  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 98  | 96  | 94  |  | 96  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  |  | 96  | 94  | 92  |  | 95  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 89  |  | 92  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  |  | 91  | 89  | 87  |  | 91  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 91  | 88  | 86  |  | 90  | 87  | 86  |  | 89  |
| 10  | 95  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  |  | 88  | 86  | 84  |  | 88  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1020677 | 1020677 | 1020677 |
| 5°  | 881742  | 889954  | 893256  |
| 10° | 530794  | 535761  | 562412  |
| 15° | 183593  | 179296  | 193578  |
| 20° | 48220   | 45361   | 45489   |
| 25° | 10508   | 12675   | 14423   |
| 30° | 4514    | 4514    | 4653    |
| 35° | 2544    | 2229    | 2376    |
| 40° | 1124    | 1281    | 1439    |
| 45° | 341     | 511     | 511     |
| 50° | 188     | 188     | 188     |
| 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: 22.5°

Vertical Angle: 45°

Luminance: 511 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 423.9  | 53.3      |
| 10°-20°   | 322.7  | 40.5      |
| 20°-30°   | 39.9   | 5.0       |
| 30°-40°   | 7.6    | 0.9       |
| 40°-50°   | 1.8    | 0.2       |
| 50°-60°   | 0.1    | 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°    | 786.5  | 98.8      |
| 0°-40°    | 794.1  | 99.8      |
| 0°-60°    | 796.0  | 100.0     |
| 0°-90°    | 796.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 796.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5926 | 5926  | 5926 | 5926  | 5926 |      |
| 5°  | 5100 | 5097  | 5148 | 5144  | 5167 | 421  |
| 15° | 1030 | 993   | 1006 | 1066  | 1086 | 322  |
| 25° | 55   | 63    | 67   | 70    | 76   | 38   |
| 35° | 12   | 12    | 11   | 11    | 11   | 8    |
| 45° | 1    | 2     | 2    | 2     | 2    | 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°    | 5926.5 | 5926.5 | 5926.5 | 5926.5 | 5926.5 |
| 1°    | 5898.8 | 5891.7 | 5897.4 | 5885.3 | 5910.1 |
| 2°    | 5804.5 | 5797.4 | 5797.4 | 5790.3 | 5793.8 |
| 3°    | 5628.6 | 5640.0 | 5632.9 | 5618.0 | 5637.1 |
| 4°    | 5388.9 | 5401.7 | 5413.0 | 5413.7 | 5416.6 |
| 5°    | 5100.3 | 5096.7 | 5147.8 | 5144.2 | 5166.9 |
| 6°    | 4771.2 | 4767.0 | 4789.0 | 4825.8 | 4871.2 |
| 7°    | 4409.6 | 4357.8 | 4416.7 | 4491.1 | 4552.1 |
| 8°    | 3941.5 | 3955.0 | 3995.4 | 4083.3 | 4132.3 |
| 9°    | 3544.4 | 3465.7 | 3551.5 | 3656.4 | 3709.6 |
| 10°   | 3035.2 | 2971.4 | 3063.6 | 3174.2 | 3216.0 |
| 12.5° | 1910.5 | 1855.2 | 1884.9 | 2001.3 | 2019.7 |
| 15°   | 1029.7 | 992.8  | 1005.6 | 1065.9 | 1085.7 |
| 17.5° | 525.5  | 492.2  | 485.1  | 523.4  | 527.6  |
| 20°   | 263.1  | 255.3  | 247.5  | 251.0  | 248.2  |
| 22.5° | 122.0  | 132.6  | 131.2  | 124.1  | 132.6  |
| 25°   | 55.3   | 63.1   | 66.7   | 69.5   | 75.9   |
| 27.5° | 34.0   | 32.6   | 37.6   | 40.4   | 41.1   |
| 30°   | 22.7   | 22.0   | 22.7   | 23.4   | 23.4   |
| 32.5° | 16.3   | 15.6   | 14.9   | 14.9   | 15.6   |
| 35°   | 12.1   | 12.1   | 10.6   | 11.3   | 11.3   |
| 37.5° | 8.5    | 8.5    | 7.8    | 8.5    | 8.5    |
| 40°   | 5.0    | 5.7    | 5.7    | 5.7    | 6.4    |
| 42.5° | 2.8    | 3.5    | 3.5    | 3.5    | 3.5    |
| 45°   | 1.4    | 2.1    | 2.1    | 2.1    | 2.1    |
| 47.5° | 0.7    | 0.7    | 0.7    | 1.4    | 1.4    |
| 50°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 52.5° | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 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    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)