

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: P1308930

Luminaire Tested: P3SQAS09R209035DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308930  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R209035DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

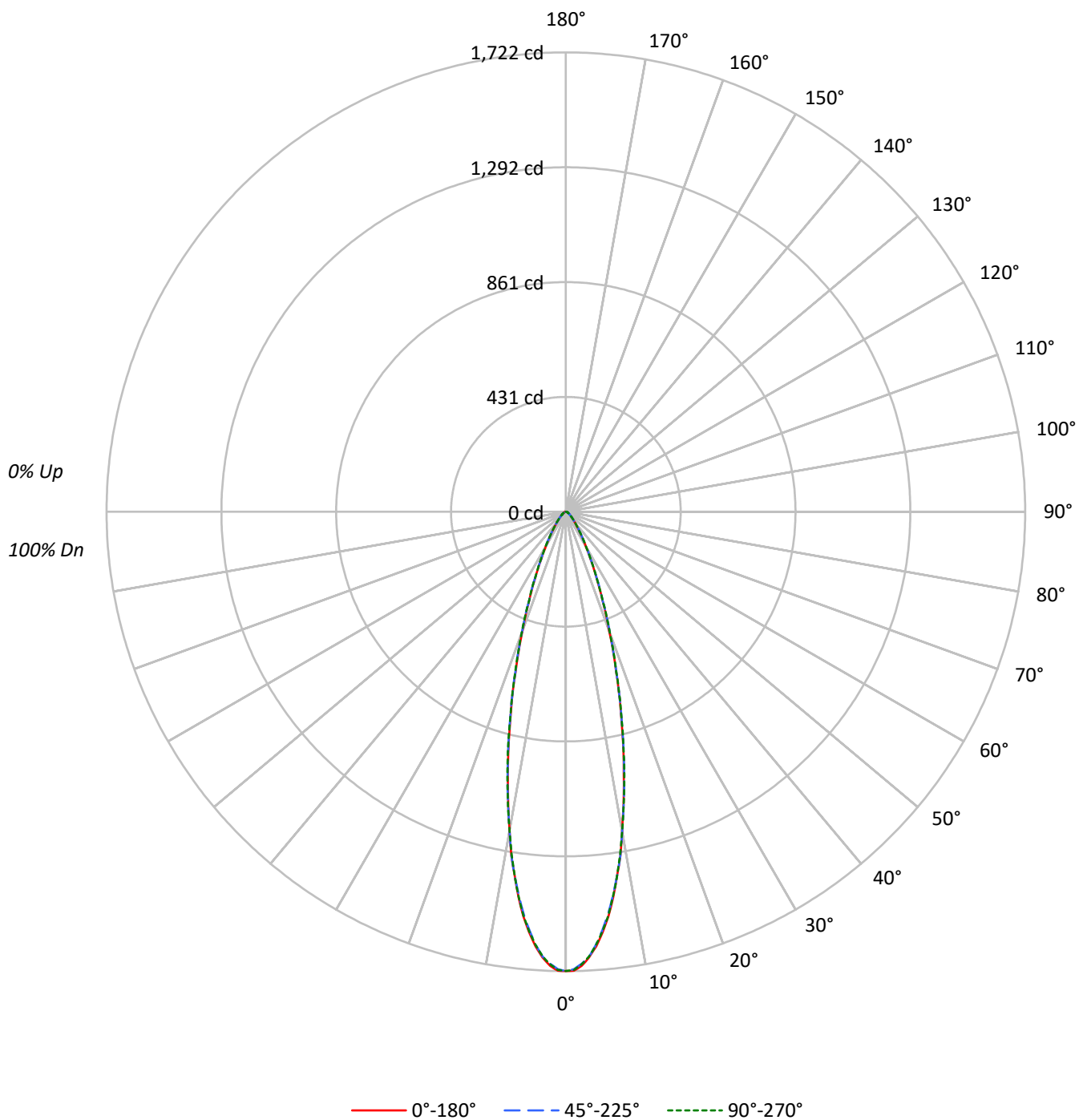
Lumens per Lamp: N/A  
Luminaire Lumens: 605.0 lumens  
Efficiency: N/A  
Efficacy: 54.5 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  |  | 96  | 94  | 92  |  | 94  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 84  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 86  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 6   | 92  | 84  | 79  | 75  | 90  | 83  | 78  | 75  | 82  | 77  | 74  |  | 80  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 70  | 67  |  | 73  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 62  | 78  | 70  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 296498 | 296498 | 296498 |
| 5°  | 273532 | 271958 | 272875 |
| 10° | 212269 | 212531 | 212531 |
| 15° | 143476 | 144136 | 144136 |
| 20° | 87129  | 88229  | 88650  |
| 25° | 51117  | 51820  | 51687  |
| 30° | 29810  | 30407  | 30566  |
| 35° | 18207  | 18691  | 18691  |
| 40° | 11848  | 12028  | 12185  |
| 45° | 8257   | 8452   | 8622   |
| 50° | 6055   | 6270   | 6270   |
| 55° | 4744   | 4984   | 4984   |
| 60° | 4168   | 4168   | 4409   |
| 65° | 3668   | 3668   | 3994   |
| 70° | 3424   | 3424   | 3424   |
| 75° | 2994   | 2994   | 2994   |
| 80° | 2281   | 2281   | 2975   |
| 85° | 1581   | 1581   | 2964   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8622 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 138.8  | 22.9      |
| 10°-20°   | 222.3  | 36.7      |
| 20°-30°   | 128.7  | 21.3      |
| 30°-40°   | 57.7   | 9.5       |
| 40°-50°   | 27.4   | 4.5       |
| 50°-60°   | 15.0   | 2.5       |
| 60°-70°   | 9.1    | 1.5       |
| 70°-80°   | 4.9    | 0.8       |
| 80°-90°   | 1.1    | 0.2       |
| 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°    | 489.9  | 81.0      |
| 0°-40°    | 547.6  | 90.5      |
| 0°-60°    | 590.0  | 97.5      |
| 0°-90°    | 605.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 605.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1722 | 1722  | 1722 | 1722  | 1722 |      |
| 5°  | 1582 | 1577  | 1573 | 1576  | 1578 | 139  |
| 15° | 805  | 805   | 808  | 805   | 808  | 222  |
| 25° | 269  | 269   | 273  | 270   | 272  | 127  |
| 35° | 87   | 87    | 89   | 90    | 89   | 56   |
| 45° | 34   | 34    | 35   | 35    | 35   | 27   |
| 55° | 16   | 16    | 17   | 17    | 17   | 15   |
| 65° | 9    | 9     | 9    | 9     | 10   | 9    |
| 75° | 4    | 4     | 4    | 4     | 4    | 5    |
| 85° | 1    | 1     | 1    | 1     | 2    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1721.6 | 1721.6 | 1721.6 | 1721.6 | 1721.6 |
| 1°    | 1720.8 | 1716.3 | 1714.8 | 1713.3 | 1717.8 |
| 2°    | 1703.5 | 1698.2 | 1695.2 | 1696.7 | 1697.5 |
| 3°    | 1672.6 | 1669.6 | 1669.6 | 1667.3 | 1668.8 |
| 4°    | 1632.7 | 1626.6 | 1626.6 | 1627.4 | 1627.4 |
| 5°    | 1582.2 | 1576.9 | 1573.1 | 1576.2 | 1578.4 |
| 6°    | 1525.7 | 1518.9 | 1515.9 | 1516.6 | 1521.9 |
| 7°    | 1456.4 | 1447.3 | 1448.8 | 1452.6 | 1452.6 |
| 8°    | 1378.0 | 1377.3 | 1378.8 | 1377.3 | 1378.8 |
| 9°    | 1305.7 | 1295.1 | 1304.2 | 1296.6 | 1300.4 |
| 10°   | 1213.8 | 1213.0 | 1215.3 | 1217.5 | 1215.3 |
| 12.5° | 1004.3 | 1008.1 | 1009.6 | 1006.6 | 1013.4 |
| 15°   | 804.7  | 804.7  | 808.4  | 804.7  | 808.4  |
| 17.5° | 626.1  | 625.3  | 628.4  | 625.3  | 629.9  |
| 20°   | 475.4  | 480.7  | 481.4  | 481.4  | 483.7  |
| 22.5° | 358.6  | 358.6  | 361.6  | 362.4  | 360.9  |
| 25°   | 269.0  | 269.0  | 272.7  | 270.5  | 272.0  |
| 27.5° | 198.9  | 200.4  | 203.4  | 204.9  | 204.9  |
| 30°   | 149.9  | 150.7  | 152.9  | 153.7  | 153.7  |
| 32.5° | 113.0  | 114.5  | 116.0  | 116.8  | 117.5  |
| 35°   | 86.6   | 87.4   | 88.9   | 89.7   | 88.9   |
| 37.5° | 66.3   | 67.1   | 68.6   | 69.3   | 69.3   |
| 40°   | 52.7   | 52.7   | 53.5   | 54.2   | 54.2   |
| 42.5° | 41.4   | 42.2   | 42.2   | 42.9   | 42.9   |
| 45°   | 33.9   | 33.9   | 34.7   | 34.7   | 35.4   |
| 47.5° | 27.1   | 27.1   | 27.9   | 28.6   | 28.6   |
| 50°   | 22.6   | 22.6   | 23.4   | 23.4   | 23.4   |
| 52.5° | 18.8   | 18.8   | 19.6   | 19.6   | 19.6   |
| 55°   | 15.8   | 15.8   | 16.6   | 16.6   | 16.6   |
| 57.5° | 13.6   | 13.6   | 14.3   | 14.3   | 14.3   |
| 60°   | 12.1   | 12.1   | 12.1   | 12.1   | 12.8   |
| 62.5° | 10.5   | 10.5   | 10.5   | 10.5   | 10.5   |
| 65°   | 9.0    | 9.0    | 9.0    | 9.0    | 9.8    |
| 67.5° | 7.5    | 7.5    | 7.5    | 7.5    | 8.3    |
| 70°   | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    |
| 72.5° | 5.3    | 5.3    | 5.3    | 6.0    | 6.0    |
| 75°   | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    |
| 77.5° | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 80°   | 2.3    | 2.3    | 2.3    | 3.0    | 3.0    |
| 82.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 85°   | 0.8    | 0.8    | 0.8    | 0.8    | 1.5    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.8    | 0.8    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)