

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: P1316233

Luminaire Tested: P3SQAS13R259827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316233  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R259827DE010 E3SQPHL1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

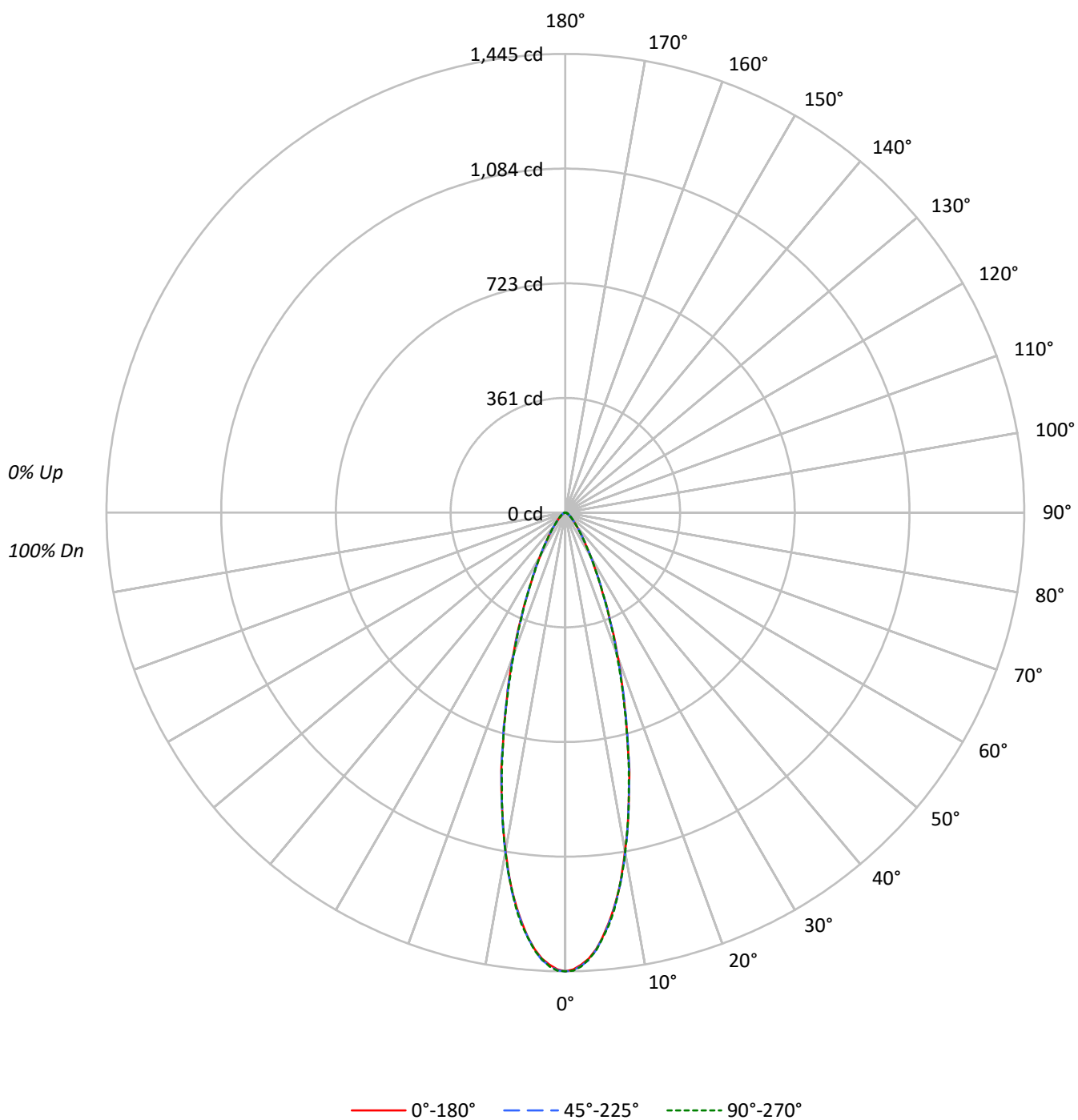
Lumens per Lamp: N/A  
Luminaire Lumens: 579.0 lumens  
Efficiency: N/A  
Efficacy: 39.9 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 93  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 81  |  | 85  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  |  | 79  | 76  | 72  |  | 78  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 72  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 66  | 63  |  | 69  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  |  | 67  | 63  | 60  |  | 67  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 248862 | 248862 | 248862 |
| 5°  | 232282 | 232524 | 232645 |
| 10° | 189464 | 190059 | 190059 |
| 15° | 135328 | 136059 | 135328 |
| 20° | 88577  | 87697  | 86469  |
| 25° | 52656  | 52922  | 52656  |
| 30° | 31719  | 31719  | 31580  |
| 35° | 19322  | 19469  | 19322  |
| 40° | 12298  | 12455  | 12455  |
| 45° | 8549   | 8549   | 8549   |
| 50° | 6162   | 6350   | 6350   |
| 55° | 4864   | 4864   | 5074   |
| 60° | 3961   | 4202   | 4202   |
| 65° | 3586   | 3586   | 3586   |
| 70° | 3072   | 3072   | 3424   |
| 75° | 2728   | 2728   | 3127   |
| 80° | 2678   | 2678   | 2678   |
| 85° | 1383   | 1383   | 1383   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8549 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 120.1  | 20.7      |
| 10°-20°   | 209.3  | 36.1      |
| 20°-30°   | 131.6  | 22.7      |
| 30°-40°   | 60.2   | 10.4      |
| 40°-50°   | 28.1   | 4.9       |
| 50°-60°   | 15.1   | 2.6       |
| 60°-70°   | 8.9    | 1.5       |
| 70°-80°   | 4.7    | 0.8       |
| 80°-90°   | 1.0    | 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       |
| 0°-30°    | 461.0  | 79.6      |
| 0°-40°    | 521.2  | 90.0      |
| 0°-60°    | 564.4  | 97.5      |
| 0°-90°    | 579.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 579.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1445 | 1445  | 1445 | 1445  | 1445 |      |
| 5°  | 1344 | 1346  | 1345 | 1346  | 1346 | 120  |
| 15° | 759  | 764   | 763  | 764   | 759  | 209  |
| 25° | 277  | 280   | 278  | 278   | 277  | 132  |
| 35° | 92   | 92    | 93   | 93    | 92   | 60   |
| 45° | 35   | 35    | 35   | 35    | 35   | 28   |
| 55° | 16   | 16    | 16   | 17    | 17   | 15   |
| 65° | 9    | 9     | 9    | 9     | 9    | 9    |
| 75° | 4    | 4     | 4    | 5     | 5    | 5    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1445.0 | 1445.0 | 1445.0 | 1445.0 | 1445.0 |
| 1°    | 1438.9 | 1440.3 | 1441.6 | 1443.7 | 1443.0 |
| 2°    | 1425.4 | 1428.1 | 1428.8 | 1431.5 | 1430.8 |
| 3°    | 1407.2 | 1406.5 | 1411.9 | 1411.9 | 1408.5 |
| 4°    | 1378.8 | 1380.1 | 1381.5 | 1382.8 | 1383.5 |
| 5°    | 1343.6 | 1346.3 | 1345.0 | 1346.3 | 1345.7 |
| 6°    | 1300.4 | 1304.4 | 1303.8 | 1305.1 | 1307.1 |
| 7°    | 1254.4 | 1257.1 | 1257.1 | 1255.8 | 1261.2 |
| 8°    | 1204.4 | 1202.4 | 1205.8 | 1204.4 | 1203.7 |
| 9°    | 1144.9 | 1149.0 | 1149.7 | 1146.3 | 1147.6 |
| 10°   | 1083.4 | 1086.1 | 1086.8 | 1088.8 | 1086.8 |
| 11°   | 1022.6 | 1022.6 | 1024.0 | 1027.3 | 1021.9 |
| 12°   | 956.4  | 962.4  | 956.4  | 959.1  | 956.4  |
| 13°   | 893.5  | 894.9  | 893.5  | 892.8  | 888.1  |
| 14°   | 834.0  | 829.3  | 830.7  | 825.2  | 825.9  |
| 15°   | 759.0  | 763.7  | 763.1  | 764.4  | 759.0  |
| 17.5° | 610.3  | 613.0  | 612.3  | 611.0  | 604.2  |
| 20°   | 483.3  | 483.3  | 478.5  | 475.8  | 471.8  |
| 22.5° | 369.0  | 367.7  | 365.6  | 363.6  | 365.0  |
| 25°   | 277.1  | 280.5  | 278.5  | 278.5  | 277.1  |
| 27.5° | 209.5  | 213.6  | 210.2  | 208.2  | 209.5  |
| 30°   | 159.5  | 160.9  | 159.5  | 158.8  | 158.8  |
| 32.5° | 120.3  | 121.0  | 120.3  | 120.3  | 120.3  |
| 35°   | 91.9   | 91.9   | 92.6   | 92.6   | 91.9   |
| 37.5° | 71.0   | 71.0   | 71.0   | 71.0   | 71.6   |
| 40°   | 54.7   | 55.4   | 55.4   | 55.4   | 55.4   |
| 42.5° | 43.3   | 43.9   | 43.9   | 43.9   | 43.9   |
| 45°   | 35.1   | 35.1   | 35.1   | 35.1   | 35.1   |
| 47.5° | 28.4   | 28.4   | 28.4   | 28.4   | 29.1   |
| 50°   | 23.0   | 23.7   | 23.7   | 23.7   | 23.7   |
| 52.5° | 19.6   | 19.6   | 19.6   | 19.6   | 19.6   |
| 55°   | 16.2   | 16.2   | 16.2   | 16.9   | 16.9   |
| 57.5° | 13.5   | 13.5   | 14.2   | 14.2   | 14.2   |
| 60°   | 11.5   | 12.2   | 12.2   | 12.2   | 12.2   |
| 62.5° | 10.1   | 10.1   | 10.8   | 10.8   | 10.8   |
| 65°   | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    |
| 67.5° | 7.4    | 7.4    | 7.4    | 7.4    | 8.1    |
| 70°   | 6.1    | 6.1    | 6.1    | 6.8    | 6.8    |
| 72.5° | 5.4    | 5.4    | 5.4    | 5.4    | 5.4    |
| 75°   | 4.1    | 4.1    | 4.1    | 4.7    | 4.7    |
| 77.5° | 3.4    | 3.4    | 3.4    | 3.4    | 3.4    |
| 80°   | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 82.5° | 1.4    | 1.4    | 2.0    | 2.0    | 2.0    |
| 85°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 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)