

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: P1310270

Luminaire Tested: P3SQAS13R359040DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310270  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359040DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

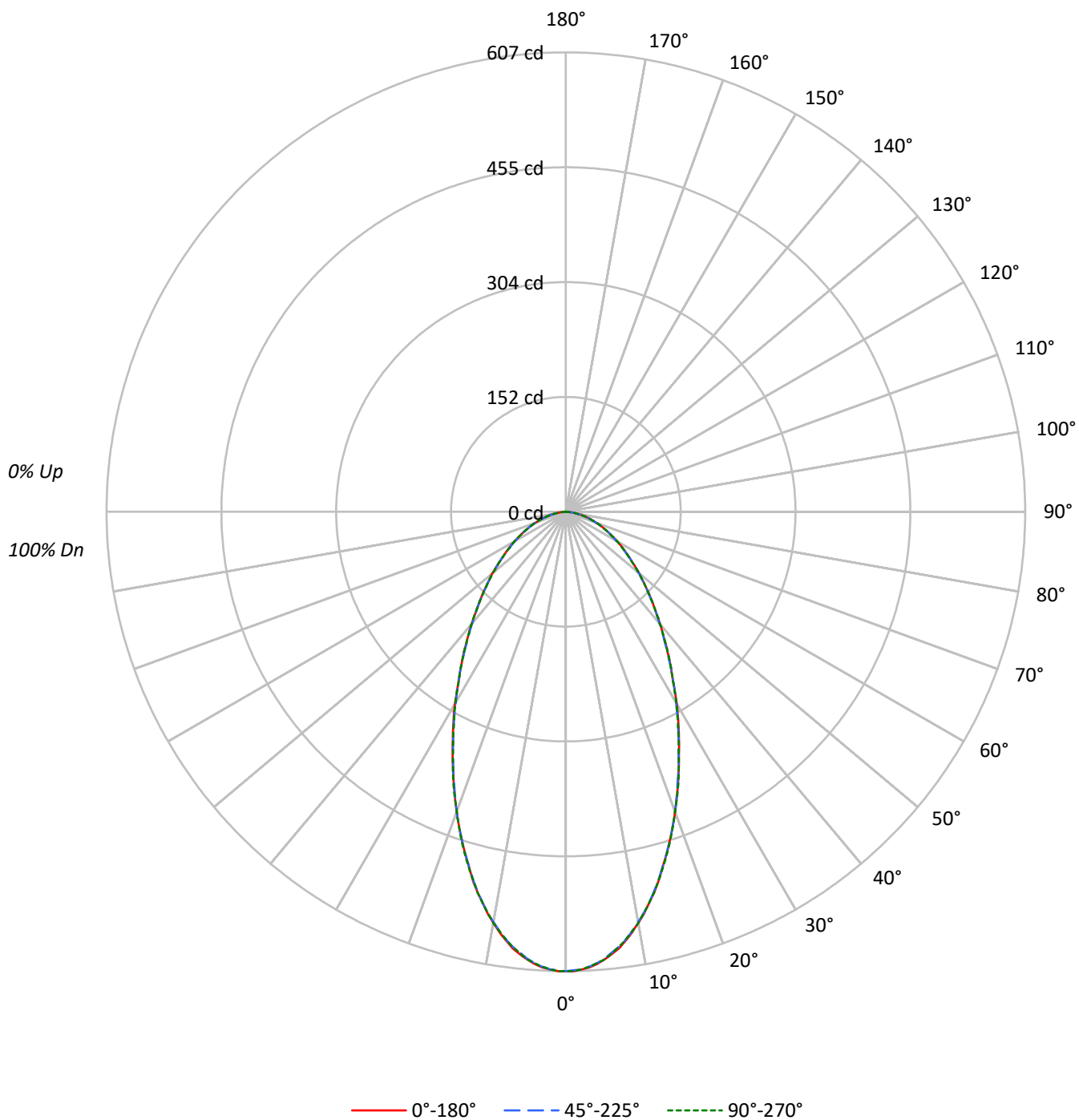
Lumens per Lamp: N/A  
Luminaire Lumens: 811.0 lumens  
Efficiency: N/A  
Efficacy: 55.5 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  |  | 87  | 84  | 81  |  | 84  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 68  | 64  |  | 72  | 67  | 63  |  | 70  |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  |  | 66  | 61  | 56  |  | 65  |
| 6   | 77  | 65  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 51  |  | 61  | 55  | 51  |  | 60  |
| 7   | 72  | 60  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 52  | 47  |  | 57  | 51  | 46  |  | 55  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  |  | 53  | 47  | 43  |  | 52  |
| 9   | 64  | 52  | 45  | 40  | 63  | 51  | 44  | 40  | 50  | 44  | 39  |  | 49  | 44  | 39  |  | 48  |
| 10  | 60  | 49  | 42  | 37  | 59  | 48  | 41  | 37  | 47  | 41  | 37  |  | 46  | 41  | 36  |  | 45  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 104556 | 104556 | 104556 |
| 5°  | 102605 | 102414 | 102605 |
| 10° | 96464  | 96271  | 96464  |
| 15° | 87330  | 87330  | 87526  |
| 20° | 77306  | 77306  | 77306  |
| 25° | 67231  | 67022  | 67022  |
| 30° | 58288  | 57870  | 58069  |
| 35° | 50164  | 49954  | 50164  |
| 40° | 43525  | 43300  | 43525  |
| 45° | 38239  | 37995  | 37995  |
| 50° | 33920  | 33652  | 33652  |
| 55° | 29846  | 29846  | 29846  |
| 60° | 27039  | 26695  | 27039  |
| 65° | 24329  | 24329  | 24329  |
| 70° | 21602  | 21602  | 21602  |
| 75° | 19497  | 18831  | 19497  |
| 80° | 16563  | 16563  | 16563  |
| 85° | 10275  | 10275  | 10275  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38239 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 55.2   | 6.8       |
| 10°-20°   | 136.6  | 16.8      |
| 20°-30°   | 162.4  | 20.0      |
| 30°-40°   | 149.2  | 18.4      |
| 40°-50°   | 121.1  | 14.9      |
| 50°-60°   | 89.6   | 11.1      |
| 60°-70°   | 59.2   | 7.3       |
| 70°-80°   | 30.7   | 3.8       |
| 80°-90°   | 6.9    | 0.8       |
| 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°    | 354.2  | 43.7      |
| 0°-40°    | 503.4  | 62.1      |
| 0°-60°    | 714.2  | 88.1      |
| 0°-90°    | 811.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 811.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 607 | 607   | 607 | 607   | 607 |      |
| 5°  | 594 | 592   | 592 | 592   | 594 | 55   |
| 15° | 490 | 490   | 490 | 490   | 491 | 137  |
| 25° | 354 | 353   | 353 | 354   | 353 | 163  |
| 35° | 239 | 238   | 238 | 239   | 239 | 149  |
| 45° | 157 | 156   | 156 | 156   | 156 | 121  |
| 55° | 99  | 99    | 99  | 99    | 99  | 90   |
| 65° | 60  | 60    | 60  | 60    | 60  | 59   |
| 75° | 29  | 29    | 28  | 29    | 29  | 31   |
| 85° | 5   | 5     | 5   | 5     | 5   | 7    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 607.1 | 607.1 | 607.1 | 607.1 | 607.1 |
| 1°    | 607.1 | 606.0 | 606.0 | 606.0 | 607.1 |
| 2°    | 605.0 | 605.0 | 605.0 | 605.0 | 605.0 |
| 3°    | 602.9 | 601.8 | 601.8 | 601.8 | 601.8 |
| 4°    | 598.7 | 597.6 | 597.6 | 597.6 | 597.6 |
| 5°    | 593.5 | 592.4 | 592.4 | 592.4 | 593.5 |
| 6°    | 587.2 | 586.1 | 585.1 | 585.1 | 586.1 |
| 7°    | 580.9 | 578.8 | 578.8 | 578.8 | 578.8 |
| 8°    | 571.5 | 570.4 | 570.4 | 570.4 | 570.4 |
| 9°    | 562.1 | 560.0 | 561.0 | 561.0 | 561.0 |
| 10°   | 551.6 | 550.5 | 550.5 | 550.5 | 551.6 |
| 11°   | 541.1 | 540.1 | 540.1 | 539.0 | 540.1 |
| 12°   | 528.6 | 528.6 | 528.6 | 528.6 | 528.6 |
| 13°   | 517.1 | 516.0 | 516.0 | 516.0 | 517.1 |
| 14°   | 504.5 | 503.4 | 503.4 | 503.4 | 503.4 |
| 15°   | 489.8 | 489.8 | 489.8 | 489.8 | 490.9 |
| 17.5° | 456.3 | 455.3 | 456.3 | 456.3 | 457.4 |
| 20°   | 421.8 | 420.8 | 421.8 | 421.8 | 421.8 |
| 22.5° | 387.3 | 387.3 | 386.2 | 387.3 | 388.3 |
| 25°   | 353.8 | 352.7 | 352.7 | 353.8 | 352.7 |
| 27.5° | 322.4 | 321.3 | 321.3 | 321.3 | 321.3 |
| 30°   | 293.1 | 291.0 | 291.0 | 292.0 | 292.0 |
| 32.5° | 262.7 | 262.7 | 263.8 | 262.7 | 262.7 |
| 35°   | 238.6 | 237.6 | 237.6 | 238.6 | 238.6 |
| 37.5° | 214.6 | 213.5 | 213.5 | 214.6 | 214.6 |
| 40°   | 193.6 | 193.6 | 192.6 | 193.6 | 193.6 |
| 42.5° | 173.7 | 173.7 | 173.7 | 173.7 | 173.7 |
| 45°   | 157.0 | 156.0 | 156.0 | 156.0 | 156.0 |
| 47.5° | 140.3 | 140.3 | 140.3 | 139.2 | 140.3 |
| 50°   | 126.6 | 125.6 | 125.6 | 125.6 | 125.6 |
| 52.5° | 112.0 | 112.0 | 112.0 | 112.0 | 112.0 |
| 55°   | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| 57.5° | 89.0  | 87.9  | 87.9  | 87.9  | 87.9  |
| 60°   | 78.5  | 78.5  | 77.5  | 78.5  | 78.5  |
| 62.5° | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  |
| 65°   | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  |
| 67.5° | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  |
| 70°   | 42.9  | 42.9  | 42.9  | 42.9  | 42.9  |
| 72.5° | 36.6  | 35.6  | 35.6  | 35.6  | 35.6  |
| 75°   | 29.3  | 29.3  | 28.3  | 29.3  | 29.3  |
| 77.5° | 22.0  | 22.0  | 22.0  | 22.0  | 22.0  |
| 80°   | 16.7  | 16.7  | 16.7  | 15.7  | 16.7  |
| 82.5° | 10.5  | 10.5  | 10.5  | 10.5  | 10.5  |
| 85°   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   |
| 87.5° | 1.0   | 1.0   | 1.0   | 2.1   | 2.1   |



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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)