

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: P1313109

Luminaire Tested: P3SQAS05R359730DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313109  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R359730DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

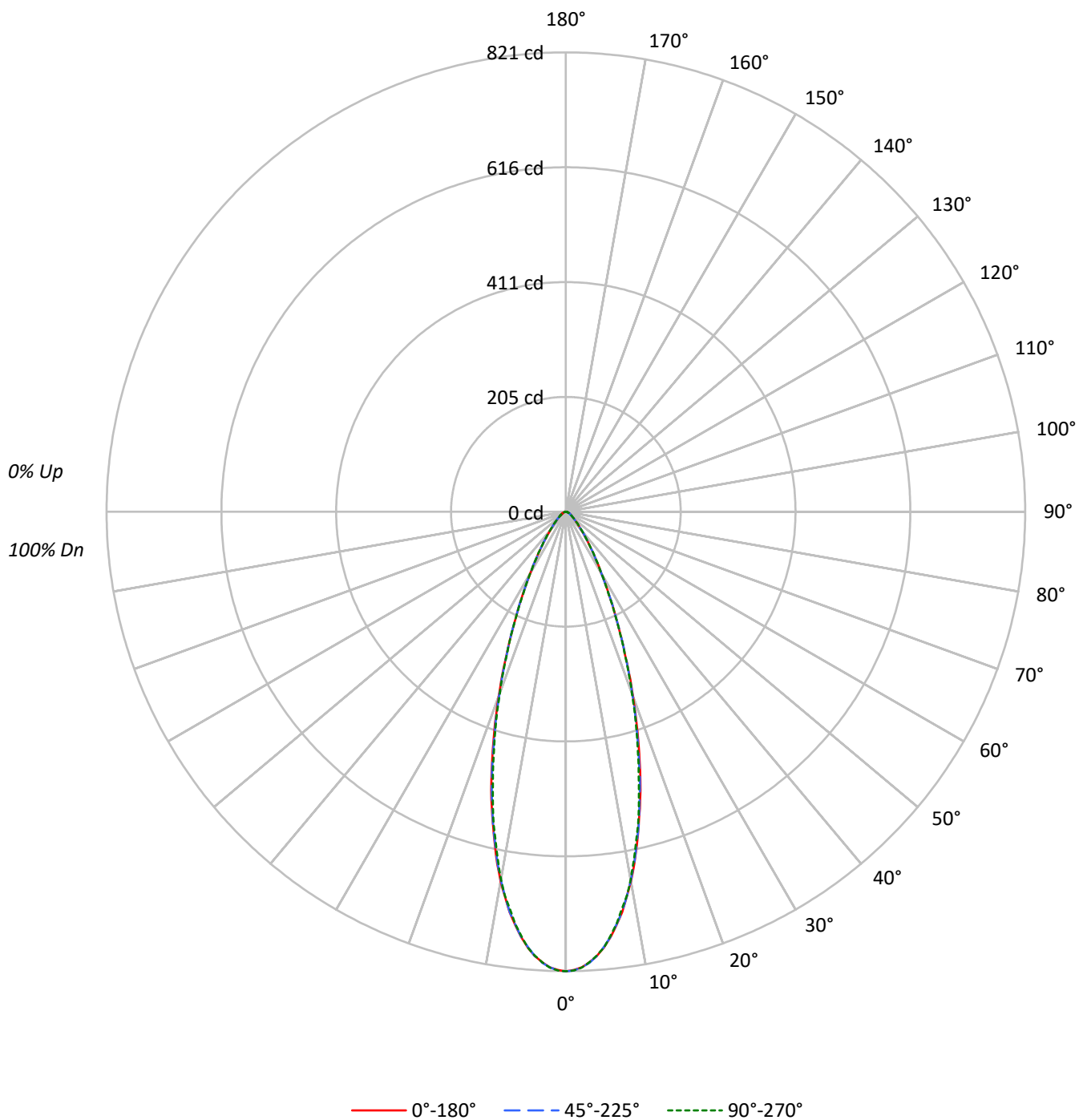
Lumens per Lamp: N/A  
Luminaire Lumens: 404.9 lumens  
Efficiency: N/A  
Efficacy: 56.2 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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

TEST NUMBER: P1313109

CATALOG NUMBER: P3SQAS05R359730DE010 E3SQPHL1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1313109

CATALOG NUMBER: P3SQAS05R359730DE010 E3SQPHL1MB

**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 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  |  | 82  | 78  | 75  |  | 80  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 76  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  |  | 68  | 63  | 60  |  | 67  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 64  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 141429 | 141429 | 141429 |
| 5°  | 135141 | 134916 | 135141 |
| 10° | 117327 | 116924 | 116767 |
| 15° | 91930  | 91217  | 89773  |
| 20° | 64311  | 63743  | 63322  |
| 25° | 40856  | 41103  | 40856  |
| 30° | 25156  | 25335  | 25156  |
| 35° | 15558  | 15663  | 15663  |
| 40° | 9892   | 9982   | 9982   |
| 45° | 6674   | 6771   | 6893   |
| 50° | 4823   | 4930   | 4930   |
| 55° | 3783   | 3783   | 3783   |
| 60° | 3100   | 3100   | 3100   |
| 65° | 2730   | 2730   | 2730   |
| 70° | 2467   | 2467   | 2467   |
| 75° | 2063   | 2063   | 2063   |
| 80° | 1785   | 1785   | 1785   |
| 85° | 790    | 790    | 1778   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 6893 cd/sqm

TEST NUMBER: P1313109

CATALOG NUMBER: P3SQAS05R359730DE010 E3SQPHL1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 71.0   | 17.5      |
| 10°-20°   | 139.7  | 34.5      |
| 20°-30°   | 100.8  | 24.9      |
| 30°-40°   | 48.6   | 12.0      |
| 40°-50°   | 22.4   | 5.5       |
| 50°-60°   | 11.6   | 2.9       |
| 60°-70°   | 6.7    | 1.6       |
| 70°-80°   | 3.4    | 0.8       |
| 80°-90°   | 0.8    | 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°    | 311.5  | 76.9      |
| 0°-40°    | 360.1  | 88.9      |
| 0°-60°    | 394.1  | 97.3      |
| 0°-90°    | 404.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 404.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 821 | 821   | 821 | 821   | 821 |      |
| 5°  | 782 | 784   | 780 | 781   | 782 | 71   |
| 15° | 516 | 515   | 512 | 509   | 504 | 141  |
| 25° | 215 | 215   | 216 | 216   | 215 | 101  |
| 35° | 74  | 74    | 74  | 74    | 74  | 48   |
| 45° | 27  | 28    | 28  | 28    | 28  | 22   |
| 55° | 13  | 13    | 13  | 13    | 13  | 11   |
| 65° | 7   | 7     | 7   | 7     | 7   | 7    |
| 75° | 3   | 3     | 3   | 3     | 3   | 3    |
| 85° | 0   | 0     | 0   | 0     | 1   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1313109

CATALOG NUMBER: P3SQAS05R359730DE010 E3SQPHL1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 821.2 | 821.2 | 821.2 | 821.2 | 821.2 |
| 1°    | 819.0 | 820.3 | 819.9 | 820.3 | 819.9 |
| 2°    | 814.9 | 815.8 | 814.9 | 815.4 | 815.4 |
| 3°    | 806.4 | 807.3 | 807.3 | 806.9 | 806.4 |
| 4°    | 796.1 | 798.3 | 796.1 | 796.5 | 795.2 |
| 5°    | 781.7 | 783.5 | 780.4 | 780.8 | 781.7 |
| 6°    | 764.2 | 764.7 | 763.8 | 763.3 | 762.4 |
| 7°    | 744.0 | 745.8 | 742.7 | 743.1 | 742.2 |
| 8°    | 722.5 | 722.0 | 722.0 | 720.2 | 717.6 |
| 9°    | 696.5 | 698.3 | 695.6 | 694.7 | 695.1 |
| 10°   | 670.9 | 670.9 | 668.6 | 666.4 | 667.7 |
| 11°   | 641.7 | 640.8 | 639.5 | 636.3 | 635.4 |
| 12°   | 609.9 | 611.6 | 607.6 | 606.3 | 603.1 |
| 13°   | 577.1 | 579.8 | 578.0 | 573.1 | 573.5 |
| 14°   | 546.6 | 544.8 | 543.4 | 542.5 | 539.4 |
| 15°   | 515.6 | 514.7 | 511.6 | 509.3 | 503.5 |
| 17.5° | 430.8 | 431.7 | 425.9 | 425.0 | 422.7 |
| 20°   | 350.9 | 348.2 | 347.8 | 348.2 | 345.5 |
| 22.5° | 276.9 | 279.6 | 276.4 | 276.9 | 275.1 |
| 25°   | 215.0 | 215.4 | 216.3 | 216.3 | 215.0 |
| 27.5° | 166.9 | 166.9 | 166.0 | 166.9 | 165.6 |
| 30°   | 126.5 | 126.5 | 127.4 | 128.3 | 126.5 |
| 32.5° | 97.8  | 97.8  | 97.8  | 98.3  | 98.7  |
| 35°   | 74.0  | 74.0  | 74.5  | 74.5  | 74.5  |
| 37.5° | 57.0  | 57.4  | 57.9  | 57.9  | 57.9  |
| 40°   | 44.0  | 44.4  | 44.4  | 44.9  | 44.4  |
| 42.5° | 35.0  | 35.0  | 35.0  | 35.5  | 35.5  |
| 45°   | 27.4  | 27.8  | 27.8  | 28.3  | 28.3  |
| 47.5° | 22.4  | 22.4  | 22.4  | 22.9  | 22.9  |
| 50°   | 18.0  | 18.4  | 18.4  | 18.4  | 18.4  |
| 52.5° | 14.8  | 14.8  | 15.3  | 15.3  | 15.3  |
| 55°   | 12.6  | 12.6  | 12.6  | 12.6  | 12.6  |
| 57.5° | 10.3  | 10.8  | 10.8  | 10.8  | 10.8  |
| 60°   | 9.0   | 9.0   | 9.0   | 9.0   | 9.0   |
| 62.5° | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   |
| 65°   | 6.7   | 6.7   | 6.7   | 6.7   | 6.7   |
| 67.5° | 5.4   | 5.8   | 5.8   | 5.8   | 5.8   |
| 70°   | 4.9   | 4.9   | 4.9   | 4.9   | 4.9   |
| 72.5° | 3.6   | 4.0   | 4.0   | 4.0   | 4.0   |
| 75°   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   |
| 77.5° | 2.7   | 2.2   | 2.2   | 2.2   | 2.7   |
| 80°   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   |
| 82.5° | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 85°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.9   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.4   | 0.4   |



TEST NUMBER: P1313109

CATALOG NUMBER: P3SQAS05R359730DE010 E3SQPHL1MB

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)