

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: P1315940

Luminaire Tested: P3SQAS05R259827DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315940  
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: P3SQAS05R259827DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

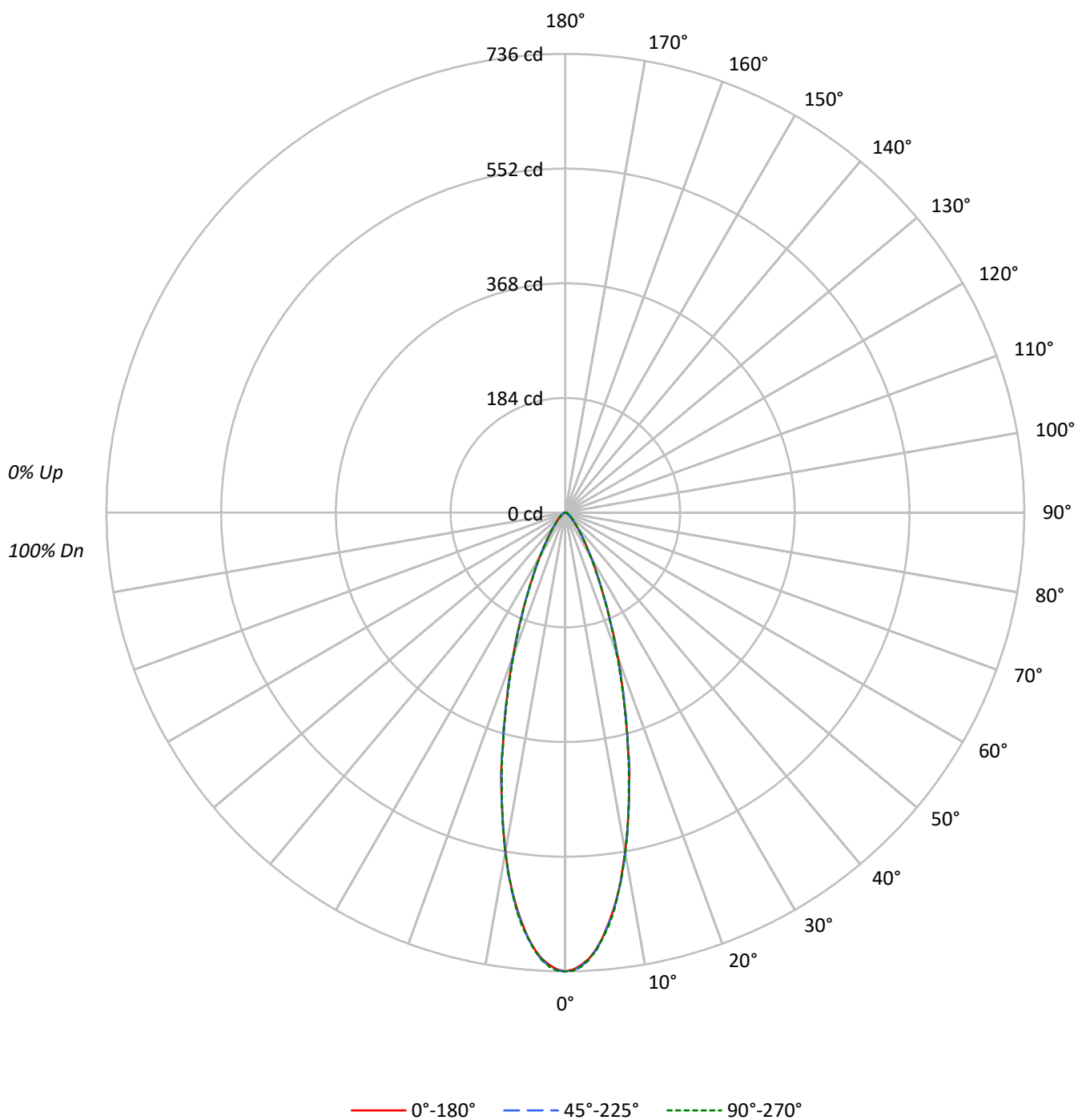
Lumens per Lamp: N/A  
Luminaire Lumens: 295.0 lumens  
Efficiency: N/A  
Efficacy: 41.0 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P1315940

CATALOG NUMBER: P3SQAS05R259827DE010 E3SQPHL1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1315940

CATALOG NUMBER: P3SQAS05R259827DE010 E3SQPHL1MMS

**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°  | 126790 | 126790 | 126790 |
| 5°  | 118354 | 118475 | 118527 |
| 10° | 96533  | 96831  | 96831  |
| 15° | 68948  | 69322  | 68948  |
| 20° | 45122  | 44683  | 44059  |
| 25° | 26832  | 26965  | 26832  |
| 30° | 16168  | 16168  | 16088  |
| 35° | 9839   | 9924   | 9839   |
| 40° | 6272   | 6340   | 6340   |
| 45° | 4360   | 4360   | 4360   |
| 50° | 3135   | 3242   | 3242   |
| 55° | 2492   | 2492   | 2582   |
| 60° | 2032   | 2136   | 2136   |
| 65° | 1834   | 1834   | 1834   |
| 70° | 1561   | 1561   | 1712   |
| 75° | 1397   | 1397   | 1597   |
| 80° | 1389   | 1389   | 1389   |
| 85° | 593    | 593    | 593    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4360 cd/sqm

TEST NUMBER: P1315940

CATALOG NUMBER: P3SQAS05R259827DE010 E3SQPHL1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 61.2   | 20.7      |
| 10°-20°   | 106.6  | 36.1      |
| 20°-30°   | 67.0   | 22.7      |
| 30°-40°   | 30.7   | 10.4      |
| 40°-50°   | 14.3   | 4.9       |
| 50°-60°   | 7.7    | 2.6       |
| 60°-70°   | 4.6    | 1.5       |
| 70°-80°   | 2.4    | 0.8       |
| 80°-90°   | 0.5    | 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°    | 234.9  | 79.6      |
| 0°-40°    | 265.5  | 90.0      |
| 0°-60°    | 287.6  | 97.5      |
| 0°-90°    | 295.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 295.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 736 | 736   | 736 | 736   | 736 |      |
| 5°  | 685 | 686   | 685 | 686   | 686 | 61   |
| 15° | 387 | 389   | 389 | 390   | 387 | 107  |
| 25° | 141 | 143   | 142 | 142   | 141 | 67   |
| 35° | 47  | 47    | 47  | 47    | 47  | 31   |
| 45° | 18  | 18    | 18  | 18    | 18  | 14   |
| 55° | 8   | 8     | 8   | 9     | 9   | 8    |
| 65° | 4   | 4     | 4   | 4     | 4   | 4    |
| 75° | 2   | 2     | 2   | 2     | 2   | 2    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1315940

CATALOG NUMBER: P3SQAS05R259827DE010 E3SQPHL1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 736.2 | 736.2 | 736.2 | 736.2 | 736.2 |
| 1°    | 733.1 | 733.8 | 734.5 | 735.6 | 735.2 |
| 2°    | 726.3 | 727.6 | 728.0 | 729.4 | 729.0 |
| 3°    | 717.0 | 716.6 | 719.4 | 719.4 | 717.6 |
| 4°    | 702.5 | 703.2 | 703.9 | 704.6 | 704.9 |
| 5°    | 684.6 | 686.0 | 685.3 | 686.0 | 685.6 |
| 6°    | 662.5 | 664.6 | 664.3 | 665.0 | 666.0 |
| 7°    | 639.1 | 640.5 | 640.5 | 639.8 | 642.6 |
| 8°    | 613.6 | 612.6 | 614.3 | 613.6 | 613.3 |
| 9°    | 583.3 | 585.4 | 585.8 | 584.0 | 584.7 |
| 10°   | 552.0 | 553.4 | 553.7 | 554.8 | 553.7 |
| 11°   | 521.0 | 521.0 | 521.7 | 523.4 | 520.7 |
| 12°   | 487.3 | 490.4 | 487.3 | 488.6 | 487.3 |
| 13°   | 455.2 | 455.9 | 455.2 | 454.9 | 452.5 |
| 14°   | 424.9 | 422.5 | 423.2 | 420.5 | 420.8 |
| 15°   | 386.7 | 389.1 | 388.8 | 389.5 | 386.7 |
| 17.5° | 311.0 | 312.3 | 312.0 | 311.3 | 307.9 |
| 20°   | 246.2 | 246.2 | 243.8 | 242.4 | 240.4 |
| 22.5° | 188.0 | 187.3 | 186.3 | 185.3 | 186.0 |
| 25°   | 141.2 | 142.9 | 141.9 | 141.9 | 141.2 |
| 27.5° | 106.8 | 108.8 | 107.1 | 106.1 | 106.8 |
| 30°   | 81.3  | 82.0  | 81.3  | 80.9  | 80.9  |
| 32.5° | 61.3  | 61.6  | 61.3  | 61.3  | 61.3  |
| 35°   | 46.8  | 46.8  | 47.2  | 47.2  | 46.8  |
| 37.5° | 36.2  | 36.2  | 36.2  | 36.2  | 36.5  |
| 40°   | 27.9  | 28.2  | 28.2  | 28.2  | 28.2  |
| 42.5° | 22.0  | 22.4  | 22.4  | 22.4  | 22.4  |
| 45°   | 17.9  | 17.9  | 17.9  | 17.9  | 17.9  |
| 47.5° | 14.5  | 14.5  | 14.5  | 14.5  | 14.8  |
| 50°   | 11.7  | 12.1  | 12.1  | 12.1  | 12.1  |
| 52.5° | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  |
| 55°   | 8.3   | 8.3   | 8.3   | 8.6   | 8.6   |
| 57.5° | 6.9   | 6.9   | 7.2   | 7.2   | 7.2   |
| 60°   | 5.9   | 6.2   | 6.2   | 6.2   | 6.2   |
| 62.5° | 5.2   | 5.2   | 5.5   | 5.5   | 5.5   |
| 65°   | 4.5   | 4.5   | 4.5   | 4.5   | 4.5   |
| 67.5° | 3.8   | 3.8   | 3.8   | 3.8   | 4.1   |
| 70°   | 3.1   | 3.1   | 3.1   | 3.4   | 3.4   |
| 72.5° | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   |
| 75°   | 2.1   | 2.1   | 2.1   | 2.4   | 2.4   |
| 77.5° | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   |
| 80°   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |
| 82.5° | 0.7   | 0.7   | 1.0   | 1.0   | 1.0   |
| 85°   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P1315940  
CATALOG NUMBER: P3SQAS05R259827DE010 E3SQPHL1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)