

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: P1311487

Luminaire Tested: P3SQAS17R309050DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311487  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R309050DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

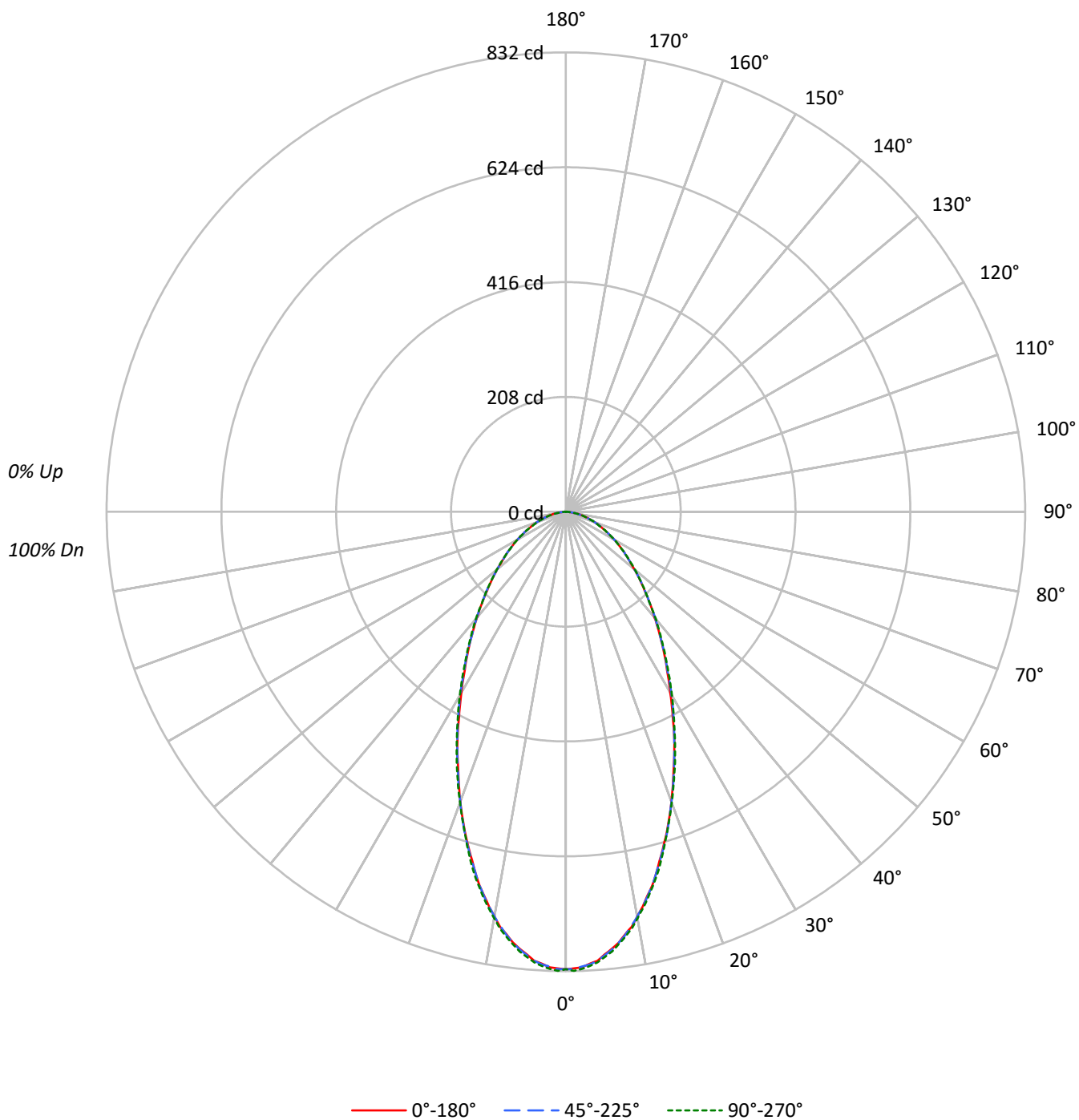
Lumens per Lamp: N/A  
Luminaire Lumens: 1064.0 lumens  
Efficiency: N/A  
Efficacy: 50.2 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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: P1311487

CATALOG NUMBER: P3SQAS17R309050DE010 E3SQPHLD1MW

### 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 | 102 | 99  | 101 | 98  | 96  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 83  |  | 87  | 84  | 81  |  | 85  |
| 3   | 95  | 86  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  |  | 79  | 75  | 71  |  | 77  |
| 4   | 89  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 69  | 64  |  | 73  | 67  | 63  |  | 71  |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 63  | 58  | 69  | 62  | 57  |  | 67  | 61  | 57  |  | 65  |
| 6   | 77  | 66  | 58  | 52  | 76  | 65  | 58  | 52  | 63  | 57  | 52  |  | 62  | 56  | 51  |  | 60  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  |  | 57  | 51  | 47  |  | 56  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 48  | 43  | 54  | 48  | 43  |  | 53  | 47  | 43  |  | 52  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 142704 | 142704 | 142704 |
| 5°  | 139186 | 139428 | 139947 |
| 10° | 130233 | 130233 | 130757 |
| 15° | 116785 | 117035 | 117819 |
| 20° | 102506 | 102506 | 102781 |
| 25° | 88381  | 88381  | 88932  |
| 30° | 75231  | 76106  | 76384  |
| 35° | 64987  | 65302  | 65596  |
| 40° | 56250  | 56587  | 56902  |
| 45° | 49102  | 49467  | 49467  |
| 50° | 43378  | 43378  | 43780  |
| 55° | 38884  | 38884  | 38884  |
| 60° | 34996  | 34996  | 34996  |
| 65° | 31175  | 31175  | 31175  |
| 70° | 28148  | 28148  | 28148  |
| 75° | 25485  | 24487  | 24487  |
| 80° | 21919  | 20431  | 20431  |
| 85° | 14623  | 14623  | 14623  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 49467 cd/sqm

TEST NUMBER: P1311487

CATALOG NUMBER: P3SQAS17R309050DE010 E3SQPHLD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 75.0   | 7.1       |
| 10°-20°   | 182.9  | 17.2      |
| 20°-30°   | 213.7  | 20.1      |
| 30°-40°   | 194.4  | 18.3      |
| 40°-50°   | 157.1  | 14.8      |
| 50°-60°   | 116.0  | 10.9      |
| 60°-70°   | 76.4   | 7.2       |
| 70°-80°   | 39.5   | 3.7       |
| 80°-90°   | 9.0    | 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°    | 471.7  | 44.3      |
| 0°-40°    | 666.1  | 62.6      |
| 0°-60°    | 939.1  | 88.3      |
| 0°-90°    | 1064.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1064.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 829 | 829   | 829 | 829   | 829 |      |
| 5°  | 805 | 805   | 806 | 806   | 810 | 75   |
| 15° | 655 | 656   | 656 | 656   | 661 | 183  |
| 25° | 465 | 464   | 465 | 465   | 468 | 213  |
| 35° | 309 | 308   | 311 | 311   | 312 | 194  |
| 45° | 202 | 203   | 203 | 203   | 203 | 157  |
| 55° | 130 | 128   | 130 | 128   | 130 | 116  |
| 65° | 76  | 76    | 76  | 76    | 76  | 77   |
| 75° | 38  | 37    | 37  | 37    | 37  | 41   |
| 85° | 7   | 7     | 7   | 7     | 7   | 9    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1311487

CATALOG NUMBER: P3SQAS17R309050DE010 E3SQPHLD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 828.6 | 828.6 | 828.6 | 828.6 | 828.6 |
| 1°    | 827.2 | 827.2 | 828.6 | 827.2 | 831.6 |
| 2°    | 825.7 | 824.2 | 824.2 | 824.2 | 828.6 |
| 3°    | 819.8 | 819.8 | 821.3 | 819.8 | 824.2 |
| 4°    | 815.4 | 813.9 | 815.4 | 813.9 | 818.3 |
| 5°    | 805.1 | 805.1 | 806.5 | 806.5 | 809.5 |
| 6°    | 796.2 | 796.2 | 797.7 | 796.2 | 800.7 |
| 7°    | 785.9 | 785.9 | 785.9 | 785.9 | 788.9 |
| 8°    | 772.7 | 772.7 | 774.2 | 774.2 | 777.1 |
| 9°    | 760.9 | 759.4 | 759.4 | 759.4 | 763.9 |
| 10°   | 744.7 | 744.7 | 744.7 | 744.7 | 747.7 |
| 11°   | 728.5 | 728.5 | 728.5 | 728.5 | 731.5 |
| 12°   | 710.9 | 710.9 | 712.4 | 710.9 | 715.3 |
| 13°   | 694.7 | 694.7 | 694.7 | 694.7 | 697.6 |
| 14°   | 675.6 | 674.1 | 675.6 | 675.6 | 680.0 |
| 15°   | 655.0 | 656.4 | 656.4 | 656.4 | 660.8 |
| 17.5° | 607.9 | 607.9 | 609.3 | 606.4 | 609.3 |
| 20°   | 559.3 | 557.8 | 559.3 | 559.3 | 560.8 |
| 22.5° | 509.2 | 510.7 | 510.7 | 510.7 | 513.7 |
| 25°   | 465.1 | 463.6 | 465.1 | 465.1 | 468.0 |
| 27.5° | 419.5 | 420.9 | 422.4 | 420.9 | 423.9 |
| 30°   | 378.3 | 381.2 | 382.7 | 379.7 | 384.1 |
| 32.5° | 341.5 | 341.5 | 342.9 | 344.4 | 345.9 |
| 35°   | 309.1 | 307.6 | 310.6 | 310.6 | 312.0 |
| 37.5° | 278.2 | 278.2 | 278.2 | 279.6 | 281.1 |
| 40°   | 250.2 | 250.2 | 251.7 | 251.7 | 253.1 |
| 42.5° | 225.2 | 223.7 | 225.2 | 225.2 | 225.2 |
| 45°   | 201.6 | 203.1 | 203.1 | 203.1 | 203.1 |
| 47.5° | 181.0 | 181.0 | 182.5 | 181.0 | 182.5 |
| 50°   | 161.9 | 161.9 | 161.9 | 161.9 | 163.4 |
| 52.5° | 144.2 | 144.2 | 144.2 | 144.2 | 145.7 |
| 55°   | 129.5 | 128.0 | 129.5 | 128.0 | 129.5 |
| 57.5° | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 |
| 60°   | 101.6 | 100.1 | 101.6 | 100.1 | 101.6 |
| 62.5° | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  |
| 65°   | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  |
| 67.5° | 66.2  | 66.2  | 66.2  | 64.8  | 64.8  |
| 70°   | 55.9  | 55.9  | 55.9  | 55.9  | 55.9  |
| 72.5° | 47.1  | 45.6  | 45.6  | 45.6  | 45.6  |
| 75°   | 38.3  | 36.8  | 36.8  | 36.8  | 36.8  |
| 77.5° | 29.4  | 29.4  | 28.0  | 28.0  | 29.4  |
| 80°   | 22.1  | 20.6  | 20.6  | 20.6  | 20.6  |
| 82.5° | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  |
| 85°   | 7.4   | 7.4   | 7.4   | 7.4   | 7.4   |
| 87.5° | 1.5   | 1.5   | 1.5   | 2.9   | 2.9   |



TEST NUMBER: P1311487

CATALOG NUMBER: P3SQAS17R309050DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)