

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: P1311480

Luminaire Tested: P3SQAS17R309050DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R309050DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

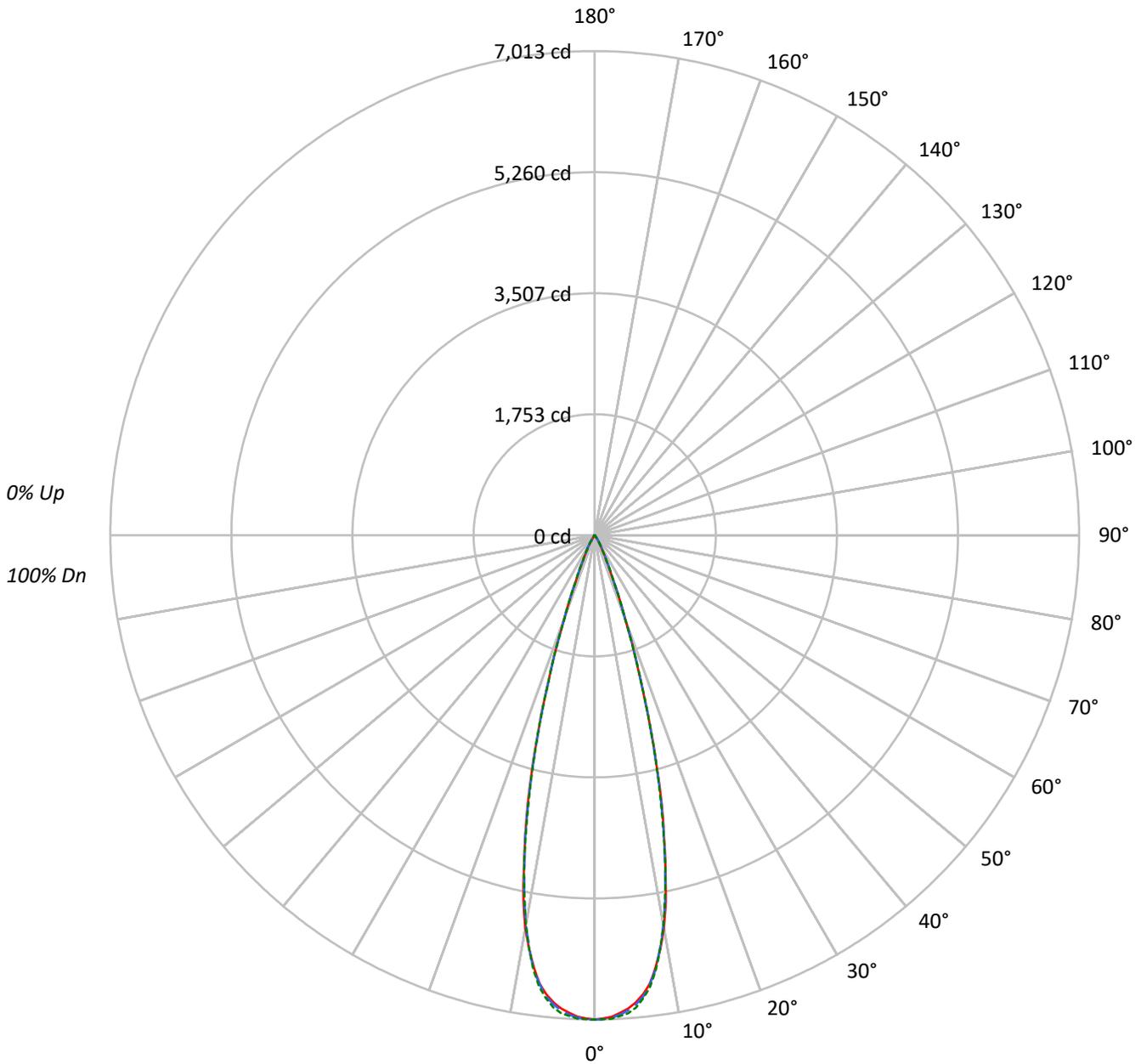
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1824.0 lumens  
Efficiency: N/A  
Efficacy: 86.0 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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 (A<sub>in</sub>): 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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |    |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     | 0  |    |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 97 | 97 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 94 | 94 |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 97  | 95  | 93  | 95  | 93  | 92  | 91  | 91 | 91 |
| 4   | 105 | 99  | 96  | 93  | 103 | 98  | 95  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 88 | 88 |
| 5   | 102 | 96  | 92  | 89  | 100 | 95  | 91  | 89  | 94  | 90  | 88  | 92  | 89  | 87  | 91  | 88  | 86  | 85  | 85 | 85 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 88  | 85  | 91  | 87  | 85  | 90  | 87  | 84  | 88  | 86  | 84  | 83  | 83 | 83 |
| 7   | 96  | 90  | 86  | 83  | 95  | 89  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  | 81 | 81 |
| 8   | 94  | 87  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 80  | 84  | 81  | 79  | 78  | 78 | 78 |
| 9   | 91  | 85  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 76  | 76 | 76 |
| 10  | 89  | 82  | 78  | 76  | 88  | 82  | 78  | 76  | 81  | 78  | 76  | 81  | 78  | 75  | 80  | 77  | 75  | 74  | 74 | 74 |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1207849 | 1207849 | 1207849 |
| 5°  | 1174740 | 1179858 | 1187153 |
| 10° | 1010174 | 1001552 | 1002531 |
| 15° | 620709  | 615699  | 616198  |
| 20° | 236242  | 236755  | 232357  |
| 25° | 75137   | 79146   | 75403   |
| 30° | 30228   | 37506   | 31063   |
| 35° | 9755    | 16567   | 9755    |
| 40° | 4429    | 7284    | 4429    |
| 45° | 1705    | 3093    | 1705    |
| 50° | 750     | 1500    | 750     |
| 55° | 841     | 841     | 841     |
| 60° | 964     | 964     | 964     |
| 65° | 571     | 571     | 571     |
| 70° | 705     | 705     | 705     |
| 75° | 932     | 932     | 932     |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3093 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 618.6  | 33.9      |
| 10°-20°   | 917.7  | 50.3      |
| 20°-30°   | 228.0  | 12.5      |
| 30°-40°   | 45.5   | 2.5       |
| 40°-50°   | 8.3    | 0.5       |
| 50°-60°   | 2.6    | 0.1       |
| 60°-70°   | 1.9    | 0.1       |
| 70°-80°   | 1.3    | 0.1       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 1764.4 | 96.7      |
| 0°-40°    | 1809.9 | 99.2      |
| 0°-60°    | 1820.8 | 99.8      |
| 0°-90°    | 1824.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1824.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7013 | 7013  | 7013 | 7013  | 7013 |      |
| 5°  | 6795 | 6818  | 6825 | 6834  | 6867 | 618  |
| 15° | 3481 | 3488  | 3453 | 3464  | 3456 | 921  |
| 25° | 395  | 404   | 416  | 411   | 397  | 222  |
| 35° | 46   | 60    | 79   | 59    | 46   | 38   |
| 45° | 7    | 8     | 13   | 10    | 7    | 6    |
| 55° | 3    | 3     | 3    | 3     | 3    | 3    |
| 65° | 1    | 1     | 1    | 1     | 1    | 2    |
| 75° | 1    | 1     | 1    | 1     | 1    | 1    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 7013.3 | 7013.3 | 7013.3 | 7013.3 | 7013.3 |
| 1°    | 6997.8 | 7006.2 | 7011.8 | 7011.8 | 7011.8 |
| 2°    | 6978.1 | 6983.7 | 6992.1 | 6993.6 | 7004.8 |
| 3°    | 6931.6 | 6944.3 | 6958.4 | 6966.8 | 6972.4 |
| 4°    | 6875.4 | 6892.2 | 6900.7 | 6921.8 | 6940.1 |
| 5°    | 6795.1 | 6817.7 | 6824.7 | 6834.5 | 6866.9 |
| 6°    | 6686.8 | 6703.7 | 6717.8 | 6722.0 | 6741.7 |
| 7°    | 6543.3 | 6551.7 | 6548.9 | 6555.9 | 6591.1 |
| 8°    | 6325.2 | 6328.0 | 6351.9 | 6336.4 | 6360.3 |
| 9°    | 6066.2 | 6055.0 | 6049.4 | 6060.6 | 6062.0 |
| 10°   | 5776.4 | 5738.4 | 5727.1 | 5717.3 | 5732.7 |
| 11°   | 5400.7 | 5351.4 | 5355.6 | 5352.8 | 5330.3 |
| 12°   | 4933.5 | 4927.9 | 4891.3 | 4898.3 | 4932.1 |
| 13°   | 4456.5 | 4466.3 | 4459.3 | 4467.7 | 4429.7 |
| 14°   | 4009.0 | 3961.1 | 3973.8 | 3926.0 | 3944.3 |
| 15°   | 3481.3 | 3488.3 | 3453.2 | 3464.4 | 3456.0 |
| 17.5° | 2228.9 | 2244.4 | 2233.2 | 2223.3 | 2238.8 |
| 20°   | 1289.0 | 1287.5 | 1291.8 | 1279.1 | 1267.8 |
| 22.5° | 678.2  | 688.1  | 700.8  | 702.2  | 710.6  |
| 25°   | 395.4  | 403.9  | 416.5  | 410.9  | 396.8  |
| 27.5° | 242.0  | 257.5  | 277.2  | 263.1  | 246.3  |
| 30°   | 152.0  | 164.6  | 188.6  | 166.0  | 156.2  |
| 32.5° | 85.8   | 104.1  | 123.8  | 104.1  | 85.8   |
| 35°   | 46.4   | 60.5   | 78.8   | 59.1   | 46.4   |
| 37.5° | 31.0   | 35.2   | 52.1   | 35.2   | 31.0   |
| 40°   | 19.7   | 23.9   | 32.4   | 23.9   | 19.7   |
| 42.5° | 11.3   | 15.5   | 18.3   | 15.5   | 11.3   |
| 45°   | 7.0    | 8.4    | 12.7   | 9.9    | 7.0    |
| 47.5° | 2.8    | 4.2    | 8.4    | 4.2    | 4.2    |
| 50°   | 2.8    | 2.8    | 5.6    | 2.8    | 2.8    |
| 52.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 55°   | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 57.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 60°   | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 62.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 65°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 67.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 70°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 72.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 75°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 77.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)