

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: P1315032

Luminaire Tested: P3SQAS05R309740DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315032  
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: P3SQAS05R309740DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

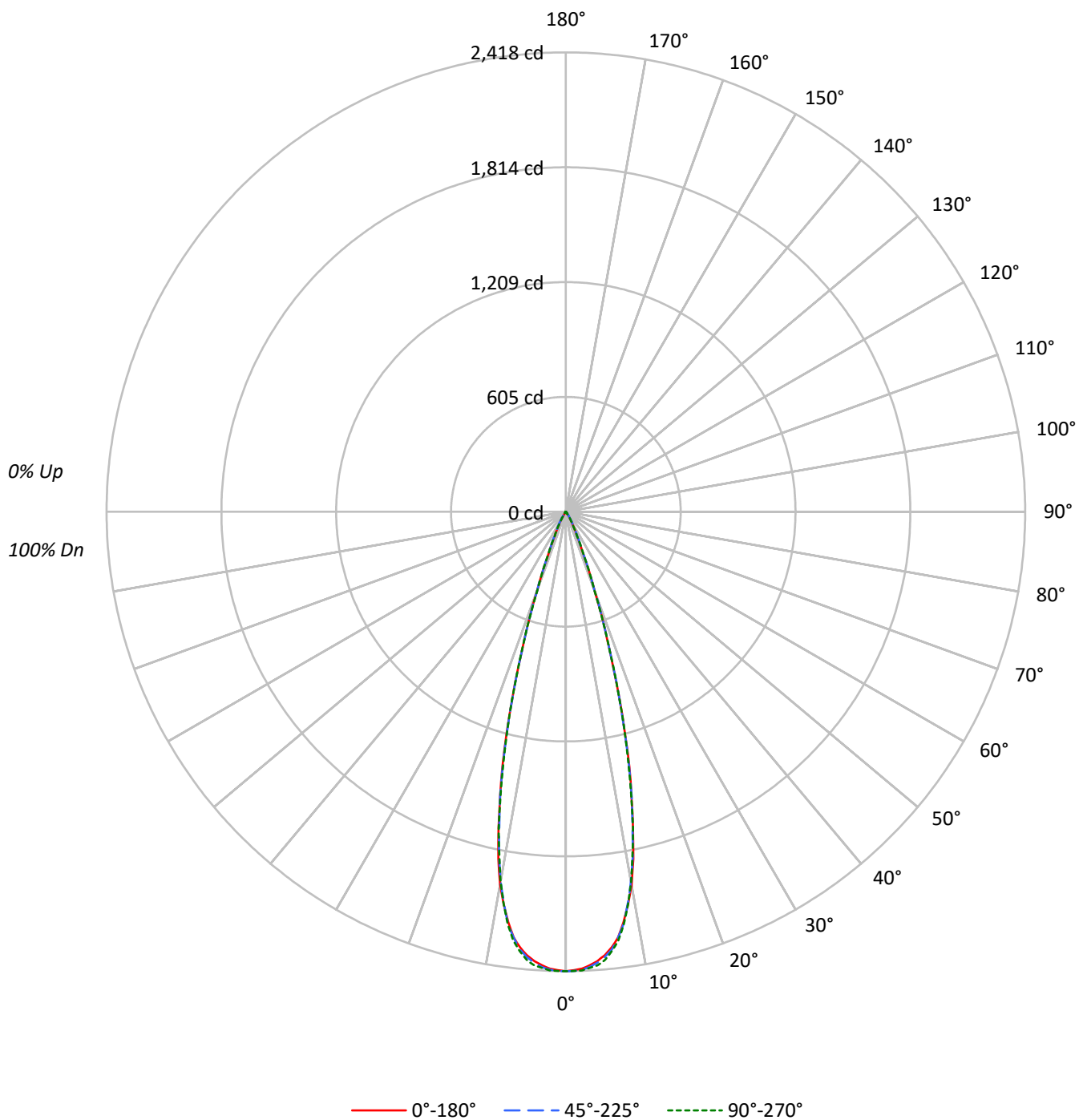
Lumens per Lamp: N/A  
Luminaire Lumens: 629.1 lumens  
Efficiency: N/A  
Efficacy: 87.4 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

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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   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99  |  | 100 | 99  | 97  |  | 98  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 95  |
| 4   | 105 | 99  | 96  | 93  | 103 | 98  | 95  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 5   | 102 | 96  | 92  | 89  | 100 | 95  | 91  | 89  | 93  | 90  | 88  |  | 92  | 89  | 87  |  | 91  |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 88  | 85  | 91  | 87  | 85  |  | 90  | 87  | 84  |  | 88  |
| 7   | 96  | 90  | 86  | 83  | 95  | 89  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 8   | 94  | 87  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 9   | 91  | 85  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 77  |  | 82  |
| 10  | 89  | 82  | 78  | 76  | 88  | 82  | 78  | 76  | 81  | 78  | 76  |  | 81  | 78  | 75  |  | 80  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 416520 | 416520 | 416520 |
| 5°  | 405111 | 406874 | 409381 |
| 10° | 348360 | 345387 | 345719 |
| 15° | 214047 | 212317 | 212496 |
| 20° | 81466  | 81649  | 80128  |
| 25° | 25920  | 27288  | 25996  |
| 30° | 10421  | 12926  | 10719  |
| 35° | 3364   | 5719   | 3364   |
| 40° | 1529   | 2518   | 1529   |
| 45° | 585    | 1072   | 585    |
| 50° | 268    | 509    | 268    |
| 55° | 300    | 300    | 300    |
| 60° | 344    | 344    | 344    |
| 65° | 204    | 204    | 204    |
| 70° | 252    | 252    | 252    |
| 75° | 333    | 333    | 333    |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1072 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 213.3  | 33.9      |
| 10°-20°   | 316.5  | 50.3      |
| 20°-30°   | 78.6   | 12.5      |
| 30°-40°   | 15.7   | 2.5       |
| 40°-50°   | 2.9    | 0.5       |
| 50°-60°   | 0.9    | 0.1       |
| 60°-70°   | 0.7    | 0.1       |
| 70°-80°   | 0.5    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 608.4  | 96.7      |
| 0°-40°    | 624.1  | 99.2      |
| 0°-60°    | 627.9  | 99.8      |
| 0°-90°    | 629.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 629.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2418 | 2418  | 2418 | 2418  | 2418 |      |
| 5°  | 2343 | 2351  | 2354 | 2357  | 2368 | 213  |
| 15° | 1200 | 1203  | 1191 | 1195  | 1192 | 318  |
| 25° | 136  | 139   | 144  | 142   | 137  | 76   |
| 35° | 16   | 21    | 27   | 20    | 16   | 13   |
| 45° | 2    | 3     | 4    | 3     | 2    | 2    |
| 55° | 1    | 1     | 1    | 1     | 1    | 1    |
| 65° | 0    | 0     | 0    | 0     | 0    | 1    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2418.5 | 2418.5 | 2418.5 | 2418.5 | 2418.5 |
| 1°    | 2413.2 | 2416.1 | 2418.0 | 2418.0 | 2418.0 |
| 2°    | 2406.4 | 2408.3 | 2411.2 | 2411.7 | 2415.6 |
| 3°    | 2390.4 | 2394.7 | 2399.6 | 2402.5 | 2404.4 |
| 4°    | 2370.9 | 2376.8 | 2379.7 | 2387.0 | 2393.3 |
| 5°    | 2343.3 | 2351.0 | 2353.5 | 2356.9 | 2368.0 |
| 6°    | 2305.9 | 2311.7 | 2316.6 | 2318.0 | 2324.8 |
| 7°    | 2256.4 | 2259.3 | 2258.4 | 2260.8 | 2272.9 |
| 8°    | 2181.2 | 2182.2 | 2190.4 | 2185.1 | 2193.3 |
| 9°    | 2091.9 | 2088.0 | 2086.1 | 2090.0 | 2090.5 |
| 10°   | 1992.0 | 1978.9 | 1975.0 | 1971.6 | 1976.9 |
| 11°   | 1862.4 | 1845.4 | 1846.9 | 1845.9 | 1838.1 |
| 12°   | 1701.3 | 1699.4 | 1686.7 | 1689.2 | 1700.8 |
| 13°   | 1536.8 | 1540.2 | 1537.8 | 1540.7 | 1527.6 |
| 14°   | 1382.5 | 1366.0 | 1370.4 | 1353.9 | 1360.2 |
| 15°   | 1200.5 | 1202.9 | 1190.8 | 1194.7 | 1191.8 |
| 17.5° | 768.6  | 774.0  | 770.1  | 766.7  | 772.0  |
| 20°   | 444.5  | 444.0  | 445.5  | 441.1  | 437.2  |
| 22.5° | 233.9  | 237.3  | 241.7  | 242.1  | 245.1  |
| 25°   | 136.4  | 139.3  | 143.6  | 141.7  | 136.8  |
| 27.5° | 83.5   | 88.8   | 95.6   | 90.7   | 84.9   |
| 30°   | 52.4   | 56.8   | 65.0   | 57.3   | 53.9   |
| 32.5° | 29.6   | 35.9   | 42.7   | 35.9   | 29.6   |
| 35°   | 16.0   | 20.9   | 27.2   | 20.4   | 16.0   |
| 37.5° | 10.7   | 12.1   | 18.0   | 12.1   | 10.7   |
| 40°   | 6.8    | 8.2    | 11.2   | 8.2    | 6.8    |
| 42.5° | 3.9    | 5.3    | 6.3    | 5.3    | 3.9    |
| 45°   | 2.4    | 2.9    | 4.4    | 3.4    | 2.4    |
| 47.5° | 1.0    | 1.5    | 2.9    | 1.5    | 1.5    |
| 50°   | 1.0    | 1.0    | 1.9    | 1.0    | 1.0    |
| 52.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 55°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 57.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 60°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 62.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 65°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 67.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 70°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 72.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 75°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 77.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 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)