

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: P1309562

Luminaire Tested: P3SQAS24R259035D010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309562  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R259035D010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

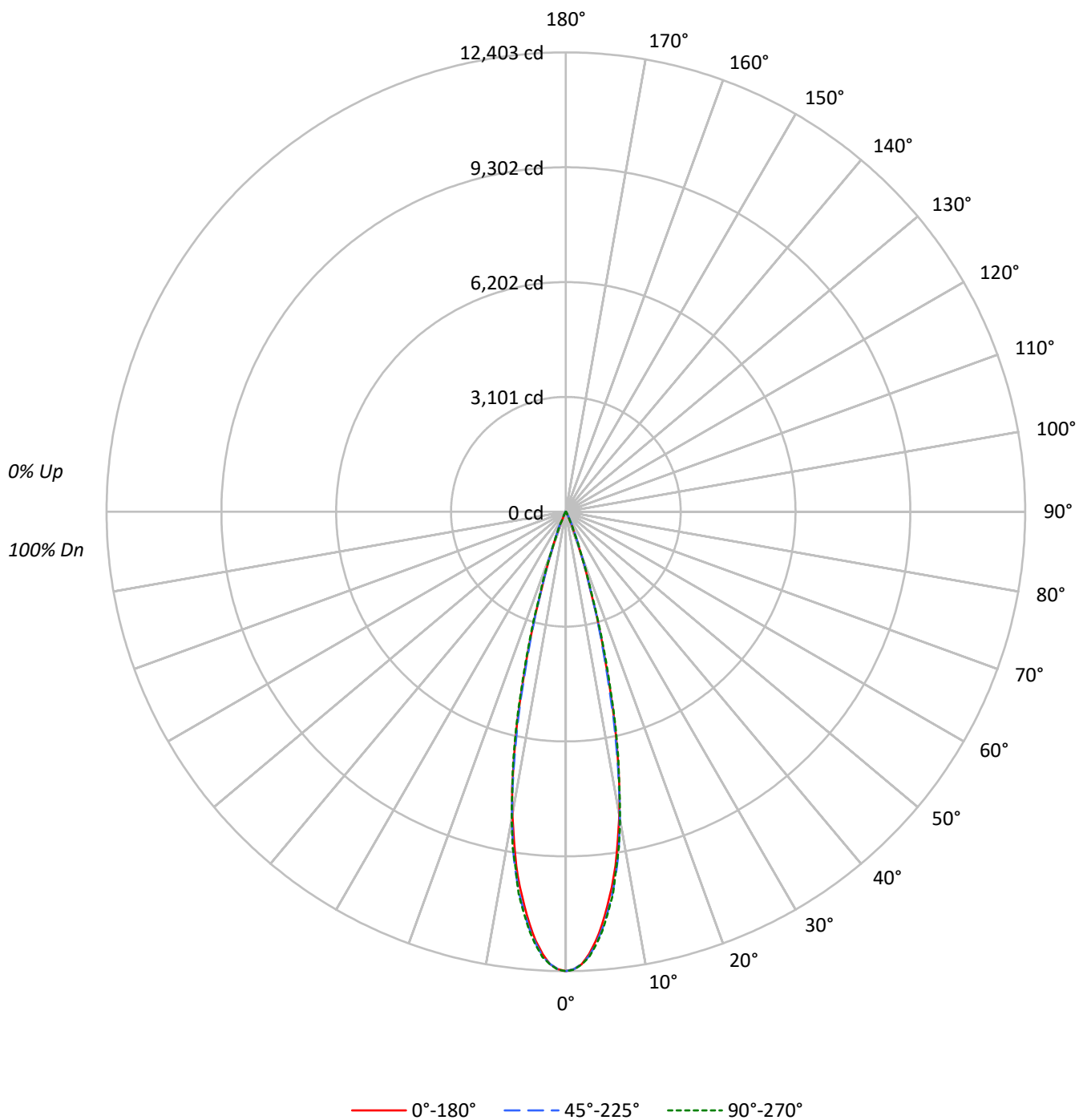
Lumens per Lamp: N/A  
Luminaire Lumens: 2289.0 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 104 | 103 | 102 |  | 100 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 101 | 100 | 98  |  | 99  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  |  | 99  | 97  | 95  |  | 97  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 94  | 93  |  | 95  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  |  | 85  | 82  | 80  |  | 85  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2136077 | 2136077 | 2136077 |
| 5°  | 1935708 | 1953342 | 1962868 |
| 10° | 1455172 | 1465525 | 1472310 |
| 15° | 720520  | 699053  | 745642  |
| 20° | 203491  | 206863  | 209099  |
| 25° | 35288   | 66699   | 41882   |
| 30° | 13801   | 14199   | 14617   |
| 35° | 4289    | 4731    | 4731    |
| 40° | 1371    | 1844    | 1371    |
| 45° | 999     | 487     | 999     |
| 50° | 536     | 0       | 536     |
| 55° | 601     | 0       | 601     |
| 60° | 0       | 0       | 0       |
| 65° | 0       | 0       | 0       |
| 70° | 0       | 0       | 0       |
| 75° | 0       | 0       | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 999 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 985.3  | 43.0      |
| 10°-20°   | 1111.1 | 48.5      |
| 20°-30°   | 172.3  | 7.5       |
| 30°-40°   | 17.5   | 0.8       |
| 40°-50°   | 2.4    | 0.1       |
| 50°-60°   | 0.4    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 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°    | 2268.8 | 99.1      |
| 0°-40°    | 2286.3 | 99.9      |
| 0°-60°    | 2289.0 | 100.0     |
| 0°-90°    | 2289.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2289.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 12403 | 12403 | 12403 | 12403 | 12403 |      |
| 5°  | 11197 | 11217 | 11299 | 11344 | 11354 | 976  |
| 15° | 4041  | 4013  | 3921  | 4096  | 4182  | 1107 |
| 25° | 186   | 276   | 351   | 267   | 220   | 156  |
| 35° | 20    | 22    | 22    | 24    | 22    | 16   |
| 45° | 4     | 2     | 2     | 2     | 4     | 3    |
| 55° | 2     | 0     | 0     | 0     | 2     | 1    |
| 65° | 0     | 0     | 0     | 0     | 0     | 0    |
| 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°    | 12403.0 | 12403.0 | 12403.0 | 12403.0 | 12403.0 |
| 1°    | 12352.0 | 12368.3 | 12349.9 | 12370.3 | 12368.3 |
| 2°    | 12223.4 | 12239.7 | 12217.3 | 12229.5 | 12229.5 |
| 3°    | 11960.1 | 11994.8 | 12015.2 | 12029.5 | 12041.7 |
| 4°    | 11613.1 | 11651.9 | 11682.5 | 11719.3 | 11719.3 |
| 5°    | 11196.8 | 11217.2 | 11298.8 | 11343.7 | 11353.9 |
| 6°    | 10700.8 | 10782.5 | 10843.7 | 10933.5 | 10878.4 |
| 7°    | 10204.9 | 10272.2 | 10357.9 | 10372.2 | 10411.0 |
| 8°    | 9641.6  | 9713.0  | 9792.6  | 9778.3  | 9745.6  |
| 9°    | 8955.8  | 9059.9  | 9153.8  | 9123.2  | 9164.0  |
| 10°   | 8321.0  | 8384.3  | 8380.2  | 8349.6  | 8419.0  |
| 11°   | 7584.3  | 7598.5  | 7518.9  | 7643.4  | 7567.9  |
| 12°   | 6710.7  | 6723.0  | 6620.9  | 6743.4  | 6820.9  |
| 13°   | 5873.9  | 5845.3  | 5704.5  | 5865.8  | 5963.7  |
| 14°   | 4910.6  | 4920.8  | 4741.2  | 5053.4  | 5029.0  |
| 15°   | 4041.1  | 4012.6  | 3920.7  | 4096.2  | 4182.0  |
| 17.5° | 2153.2  | 2171.6  | 2149.1  | 2236.9  | 2292.0  |
| 20°   | 1110.3  | 1140.9  | 1128.7  | 1165.4  | 1140.9  |
| 22.5° | 575.6   | 618.4   | 630.7   | 602.1   | 524.5   |
| 25°   | 185.7   | 275.5   | 351.0   | 267.4   | 220.4   |
| 27.5° | 112.3   | 110.2   | 171.4   | 118.4   | 120.4   |
| 30°   | 69.4    | 67.4    | 71.4    | 71.4    | 73.5    |
| 32.5° | 38.8    | 40.8    | 38.8    | 42.9    | 40.8    |
| 35°   | 20.4    | 22.5    | 22.5    | 24.5    | 22.5    |
| 37.5° | 12.2    | 14.3    | 14.3    | 14.3    | 12.2    |
| 40°   | 6.1     | 8.2     | 8.2     | 6.1     | 6.1     |
| 42.5° | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 45°   | 4.1     | 2.0     | 2.0     | 2.0     | 4.1     |
| 47.5° | 2.0     | 2.0     | 0.0     | 2.0     | 2.0     |
| 50°   | 2.0     | 2.0     | 0.0     | 2.0     | 2.0     |
| 52.5° | 2.0     | 0.0     | 0.0     | 0.0     | 2.0     |
| 55°   | 2.0     | 0.0     | 0.0     | 0.0     | 2.0     |
| 57.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 60°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 62.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 65°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 67.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 70°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 72.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 75°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 77.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 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)