

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: P1309413

Luminaire Tested: P3SQAS20R259035D010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309413  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R259035D010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

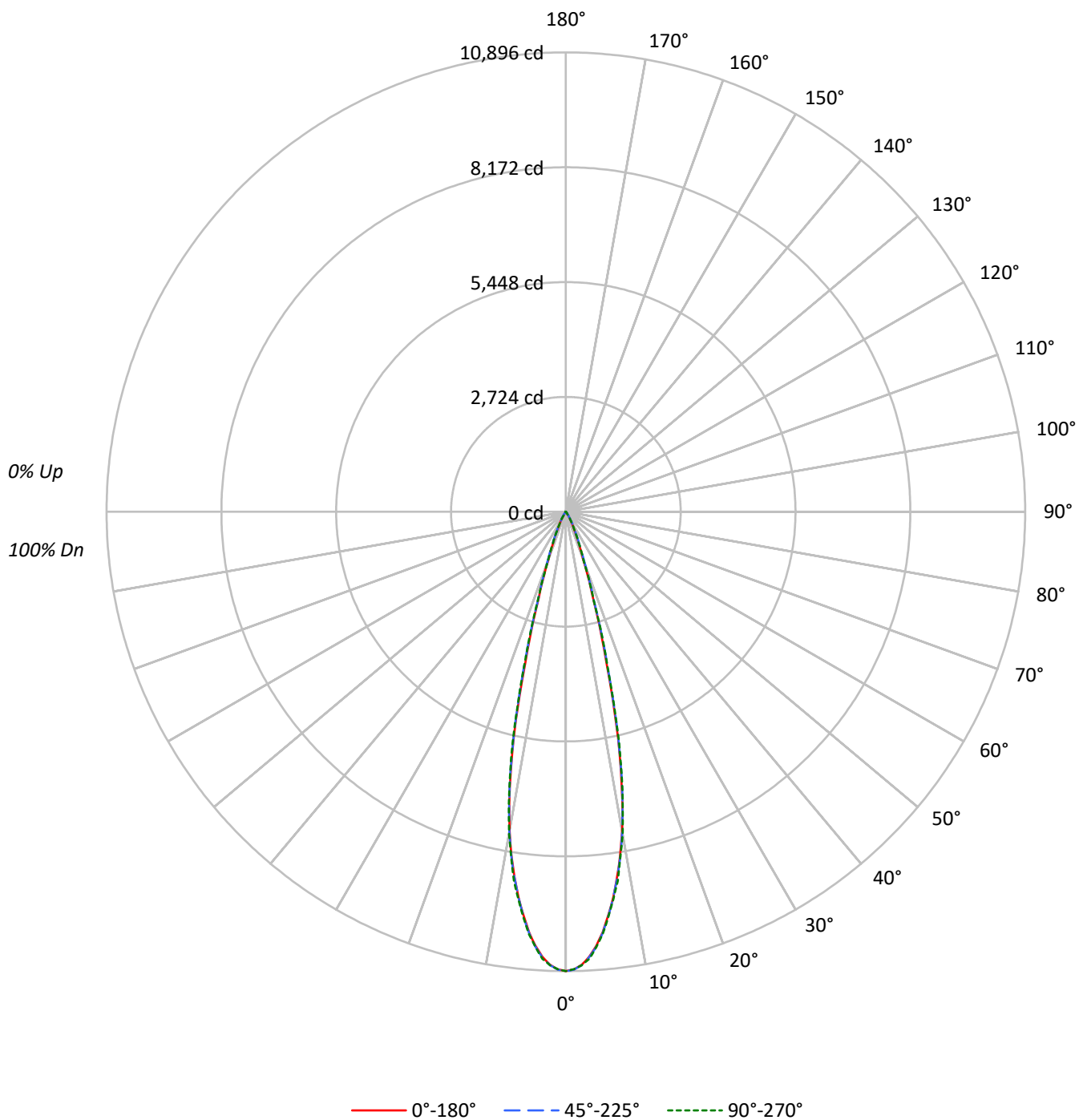
Lumens per Lamp: N/A  
Luminaire Lumens: 2268.0 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1309413

CATALOG NUMBER: P3SQAS20R259035D010 E3SQCD1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1309413

CATALOG NUMBER: P3SQAS20R259035D010 E3SQCD1MMS

**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 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  |  | 96  | 93  | 91  |  | 94  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 89  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1876503 | 1876503 | 1876503 |
| 5°  | 1730257 | 1734182 | 1737778 |
| 10° | 1343441 | 1348303 | 1355613 |
| 15° | 663910  | 691832  | 692135  |
| 20° | 223541  | 238533  | 228013  |
| 25° | 92581   | 102823  | 95222   |
| 30° | 36333   | 45679   | 36671   |
| 35° | 9503    | 18649   | 9882    |
| 40° | 3530    | 7442    | 3530    |
| 45° | 414     | 2119    | 414     |
| 50° | 0       | 455     | 0       |
| 55° | 0       | 0       | 0       |
| 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: 45°

Vertical Angle: 45°

Luminance: 2119 cd/sqm

TEST NUMBER: P1309413

CATALOG NUMBER: P3SQAS20R259035D010 E3SQCD1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 882.9  | 38.9      |
| 10°-20°   | 1067.9 | 47.1      |
| 20°-30°   | 260.7  | 11.5      |
| 30°-40°   | 50.7   | 2.2       |
| 40°-50°   | 5.7    | 0.3       |
| 50°-60°   | 0.0    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 2211.5 | 97.5      |
| 0°-40°    | 2262.2 | 99.7      |
| 0°-60°    | 2268.0 | 100.0     |
| 0°-90°    | 2268.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2268.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 10896 | 10896 | 10896 | 10896 | 10896 |      |
| 5°  | 10008 | 10022 | 10031 | 10075 | 10052 | 880  |
| 15° | 3724  | 3812  | 3880  | 3918  | 3882  | 1049 |
| 25° | 487   | 513   | 541   | 518   | 501   | 248  |
| 35° | 45    | 64    | 89    | 64    | 47    | 40   |
| 45° | 2     | 5     | 9     | 5     | 2     | 3    |
| 55° | 0     | 0     | 0     | 0     | 0     | 0    |
| 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     |      |

TEST NUMBER: P1309413

CATALOG NUMBER: P3SQAS20R259035D010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 10895.8 | 10895.8 | 10895.8 | 10895.8 | 10895.8 |
| 1°    | 10854.1 | 10861.0 | 10862.8 | 10873.2 | 10852.3 |
| 2°    | 10754.9 | 10756.6 | 10761.9 | 10782.7 | 10763.6 |
| 3°    | 10572.2 | 10584.4 | 10586.1 | 10614.0 | 10619.2 |
| 4°    | 10323.4 | 10330.3 | 10344.3 | 10391.2 | 10349.5 |
| 5°    | 10008.4 | 10022.4 | 10031.1 | 10074.6 | 10051.9 |
| 6°    | 9618.7  | 9622.2  | 9641.3  | 9691.8  | 9660.4  |
| 7°    | 9222.0  | 9220.2  | 9222.0  | 9262.0  | 9253.3  |
| 8°    | 8743.5  | 8734.8  | 8762.6  | 8811.3  | 8844.4  |
| 9°    | 8244.1  | 8256.3  | 8273.7  | 8320.7  | 8282.4  |
| 10°   | 7682.1  | 7715.1  | 7709.9  | 7713.4  | 7751.7  |
| 11°   | 7034.8  | 7045.2  | 7047.0  | 7083.5  | 7078.3  |
| 12°   | 6274.4  | 6274.4  | 6331.8  | 6391.0  | 6371.9  |
| 13°   | 5507.1  | 5561.0  | 5522.7  | 5534.9  | 5611.5  |
| 14°   | 4612.7  | 4654.5  | 4706.7  | 4755.4  | 4717.1  |
| 15°   | 3723.6  | 3812.3  | 3880.2  | 3918.5  | 3881.9  |
| 17.5° | 2133.2  | 2162.8  | 2220.2  | 2227.2  | 2204.6  |
| 20°   | 1219.7  | 1256.3  | 1301.5  | 1287.6  | 1244.1  |
| 22.5° | 767.3   | 777.8   | 823.0   | 800.4   | 790.0   |
| 25°   | 487.2   | 513.3   | 541.1   | 518.5   | 501.1   |
| 27.5° | 302.8   | 320.2   | 349.7   | 325.4   | 306.2   |
| 30°   | 182.7   | 198.4   | 229.7   | 196.6   | 184.4   |
| 32.5° | 95.7    | 118.3   | 144.4   | 120.1   | 95.7    |
| 35°   | 45.2    | 64.4    | 88.7    | 64.4    | 47.0    |
| 37.5° | 27.8    | 34.8    | 53.9    | 34.8    | 27.8    |
| 40°   | 15.7    | 22.6    | 33.1    | 22.6    | 15.7    |
| 42.5° | 7.0     | 12.2    | 15.7    | 12.2    | 8.7     |
| 45°   | 1.7     | 5.2     | 8.7     | 5.2     | 1.7     |
| 47.5° | 0.0     | 0.0     | 5.2     | 1.7     | 0.0     |
| 50°   | 0.0     | 0.0     | 1.7     | 0.0     | 0.0     |
| 52.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 55°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 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     |



TEST NUMBER: P1309413

CATALOG NUMBER: P3SQAS20R259035D010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)