

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: P1306222

Luminaire Tested: P3SQAS20R309024D010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R309024D010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

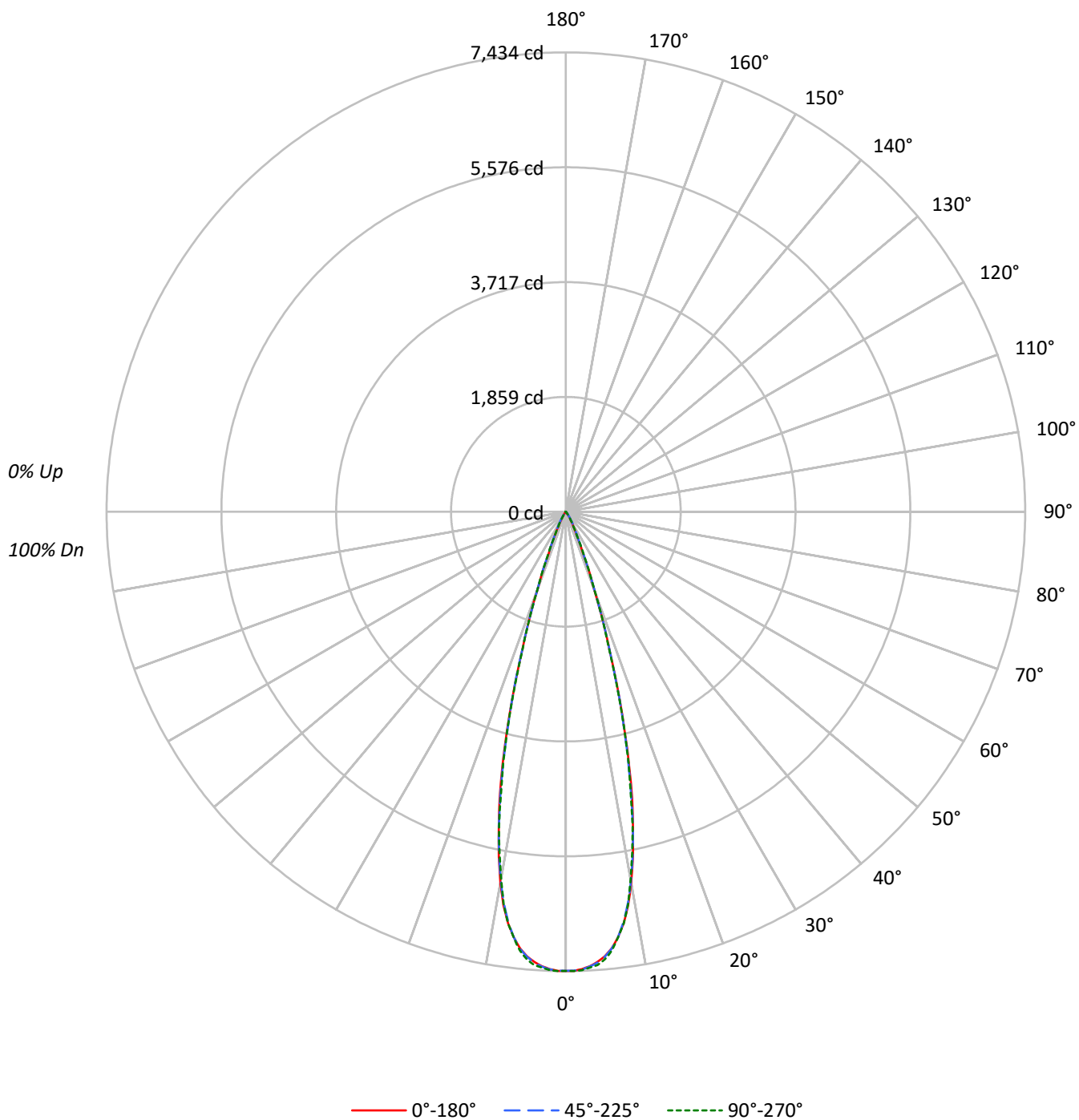
Lumens per Lamp: N/A  
Luminaire Lumens: 1917.0 lumens  
Efficiency: N/A  
Efficacy: 66.6 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P1306222

CATALOG NUMBER: P3SQAS20R309024D010 E3SQCD1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1306222

CATALOG NUMBER: P3SQAS20R309024D010 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  | 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 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99  | 99  | 97  | 96 | 95 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 95  | 94  | 95  | 94  | 92  | 91  | 90 | 89 |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 87 | 86 |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 86  | 85 | 84 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  | 87  | 85  | 82  | 87  | 84  | 82  | 81  | 80 | 79 |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 78 | 77 |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 76 | 75 |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 78  | 76  | 75  | 74 | 73 |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1279494 | 1279494 | 1279494 |
| 5°  | 1248284 | 1249840 | 1256789 |
| 10° | 1066135 | 1061186 | 1054925 |
| 15° | 657920  | 650217  | 652606  |
| 20° | 248650  | 250024  | 249750  |
| 25° | 76486   | 83859   | 79887   |
| 30° | 30844   | 39137   | 32017   |
| 35° | 9083    | 16609   | 9398    |
| 40° | 3687    | 6700    | 3687    |
| 45° | 731     | 2168    | 731     |
| 50° | 0       | 402     | 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: 2168 cd/sqm

TEST NUMBER: P1306222

CATALOG NUMBER: P3SQAS20R309024D010 E3SQCD1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 655.3  | 34.2      |
| 10°-20°   | 970.2  | 50.6      |
| 20°-30°   | 240.6  | 12.6      |
| 30°-40°   | 45.2   | 2.4       |
| 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°    | 1866.1 | 97.3      |
| 0°-40°    | 1911.3 | 99.7      |
| 0°-60°    | 1917.0 | 100.0     |
| 0°-90°    | 1917.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1917.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7429 | 7429  | 7429 | 7429  | 7429 |      |
| 5°  | 7220 | 7218  | 7230 | 7241  | 7270 | 656  |
| 15° | 3690 | 3654  | 3647 | 3675  | 3660 | 975  |
| 25° | 402  | 429   | 441  | 440   | 420  | 232  |
| 35° | 43   | 57    | 79   | 58    | 45   | 36   |
| 45° | 3    | 4     | 9    | 6     | 3    | 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    | 0    |

TEST NUMBER: P1306222

CATALOG NUMBER: P3SQAS20R309024D010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 7429.3 | 7429.3 | 7429.3 | 7429.3 | 7429.3 |
| 1°    | 7432.3 | 7426.3 | 7426.3 | 7417.3 | 7433.7 |
| 2°    | 7405.4 | 7399.5 | 7409.9 | 7402.4 | 7423.3 |
| 3°    | 7365.2 | 7357.7 | 7372.6 | 7377.1 | 7387.5 |
| 4°    | 7305.5 | 7299.6 | 7316.0 | 7324.9 | 7353.2 |
| 5°    | 7220.5 | 7217.6 | 7229.5 | 7241.4 | 7269.7 |
| 6°    | 7104.3 | 7099.8 | 7107.2 | 7122.1 | 7140.0 |
| 7°    | 6935.8 | 6926.8 | 6932.8 | 6935.8 | 6940.3 |
| 8°    | 6722.6 | 6709.2 | 6701.7 | 6718.1 | 6727.1 |
| 9°    | 6448.2 | 6433.3 | 6416.9 | 6411.0 | 6431.8 |
| 10°   | 6096.4 | 6074.0 | 6068.1 | 6053.2 | 6032.3 |
| 11°   | 5687.9 | 5670.0 | 5665.5 | 5638.7 | 5626.7 |
| 12°   | 5219.7 | 5210.8 | 5221.2 | 5204.8 | 5198.9 |
| 13°   | 4771.0 | 4714.3 | 4706.8 | 4675.5 | 4659.1 |
| 14°   | 4240.2 | 4188.0 | 4186.5 | 4170.1 | 4192.5 |
| 15°   | 3690.0 | 3654.3 | 3646.8 | 3675.1 | 3660.2 |
| 17.5° | 2352.7 | 2376.5 | 2370.6 | 2355.7 | 2330.3 |
| 20°   | 1356.7 | 1340.3 | 1364.2 | 1370.2 | 1362.7 |
| 22.5° | 723.1  | 729.1  | 733.5  | 751.4  | 763.4  |
| 25°   | 402.5  | 429.4  | 441.3  | 439.8  | 420.4  |
| 27.5° | 250.5  | 266.9  | 289.2  | 274.3  | 257.9  |
| 30°   | 155.1  | 168.5  | 196.8  | 170.0  | 161.0  |
| 32.5° | 83.5   | 105.9  | 126.7  | 105.9  | 86.5   |
| 35°   | 43.2   | 56.7   | 79.0   | 58.1   | 44.7   |
| 37.5° | 28.3   | 32.8   | 50.7   | 32.8   | 28.3   |
| 40°   | 16.4   | 20.9   | 29.8   | 20.9   | 16.4   |
| 42.5° | 7.5    | 11.9   | 16.4   | 11.9   | 7.5    |
| 45°   | 3.0    | 4.5    | 8.9    | 6.0    | 3.0    |
| 47.5° | 0.0    | 1.5    | 4.5    | 1.5    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.5    | 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: P1306222

CATALOG NUMBER: P3SQAS20R309024D010 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)