

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: P1306190

Luminaire Tested: P3SQASS20R209024D010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306190  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS20R209024D010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

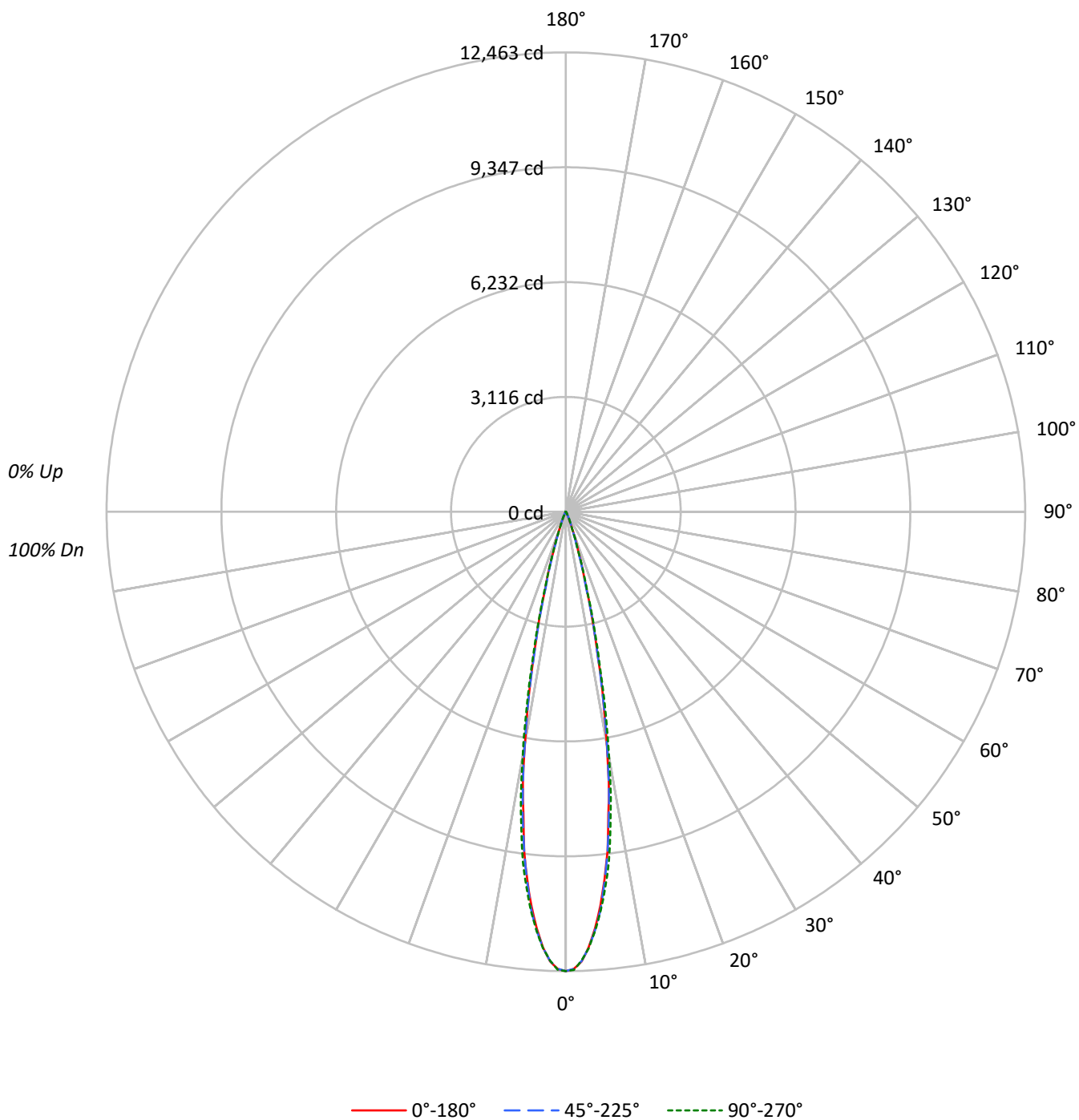
Lumens per Lamp: N/A  
Luminaire Lumens: 1674.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1306190

CATALOG NUMBER: P3SQASS20R209024D010 E3SQPH1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1306190

CATALOG NUMBER: P3SQASS20R209024D010 E3SQPH1MB

**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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 |  | 104 | 103 | 102 |  | 101 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 |  | 102 | 101 | 99  |  | 99  | 98  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  |  | 100 | 98  | 97  |  | 98  | 96  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 98  | 96  | 94  |  | 96  | 95  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  |  | 96  | 94  | 92  |  | 95  | 93  | 92  | 91  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  | 91  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 89  |  | 92  | 90  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  |  | 91  | 89  | 87  |  | 91  | 88  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 91  | 88  | 86  |  | 90  | 87  | 86  |  | 89  | 87  | 85  | 85  |
| 10  | 95  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  |  | 88  | 86  | 84  |  | 88  | 86  | 84  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2146480 | 2146480 | 2146480 |
| 5°  | 1854316 | 1871587 | 1878554 |
| 10° | 1116273 | 1126696 | 1182780 |
| 15° | 386104  | 377065  | 407108  |
| 20° | 101406  | 95395   | 95670   |
| 25° | 22100   | 26642   | 30328   |
| 30° | 9486    | 9486    | 9784    |
| 35° | 5340    | 4709    | 5025    |
| 40° | 2338    | 2675    | 3013    |
| 45° | 731     | 1096    | 1096    |
| 50° | 402     | 402     | 402     |
| 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: 22.5°

Vertical Angle: 45°

Luminance: 1096 cd/sqm

TEST NUMBER: P1306190

CATALOG NUMBER: P3SQASS20R209024D010 E3SQPH1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 891.4  | 53.3      |
| 10°-20°   | 678.7  | 40.5      |
| 20°-30°   | 83.9   | 5.0       |
| 30°-40°   | 15.9   | 0.9       |
| 40°-50°   | 3.8    | 0.2       |
| 50°-60°   | 0.2    | 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°    | 1654.0 | 98.8      |
| 0°-40°    | 1669.9 | 99.8      |
| 0°-60°    | 1674.0 | 100.0     |
| 0°-90°    | 1674.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1674.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 12463 | 12463 | 12463 | 12463 | 12463 |      |
| 5°  | 10726 | 10718 | 10826 | 10818 | 10866 | 885  |
| 15° | 2166  | 2088  | 2115  | 2242  | 2283  | 678  |
| 25° | 116   | 133   | 140   | 146   | 160   | 80   |
| 35° | 25    | 25    | 22    | 24    | 24    | 16   |
| 45° | 3     | 4     | 4     | 4     | 4     | 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: P1306190

CATALOG NUMBER: P3SQASS20R209024D010 E3SQPH1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 12463.4 | 12463.4 | 12463.4 | 12463.4 | 12463.4 |
| 1°    | 12405.3 | 12390.3 | 12402.3 | 12376.9 | 12429.1 |
| 2°    | 12206.9 | 12192.0 | 12192.0 | 12177.1 | 12184.5 |
| 3°    | 11837.0 | 11860.9 | 11846.0 | 11814.7 | 11854.9 |
| 4°    | 11333.0 | 11359.8 | 11383.7 | 11385.2 | 11391.1 |
| 5°    | 10726.0 | 10718.5 | 10825.9 | 10818.4 | 10866.2 |
| 6°    | 10034.0 | 10025.0 | 10071.3 | 10148.8 | 10244.3 |
| 7°    | 9273.4  | 9164.5  | 9288.3  | 9444.9  | 9573.1  |
| 8°    | 8289.1  | 8317.4  | 8402.4  | 8587.3  | 8690.2  |
| 9°    | 7453.9  | 7288.3  | 7468.8  | 7689.5  | 7801.4  |
| 10°   | 6383.1  | 6248.9  | 6442.7  | 6675.4  | 6763.4  |
| 12.5° | 4017.8  | 3901.4  | 3964.1  | 4208.7  | 4247.4  |
| 15°   | 2165.5  | 2087.9  | 2114.8  | 2241.5  | 2283.3  |
| 17.5° | 1105.1  | 1035.0  | 1020.1  | 1100.6  | 1109.6  |
| 20°   | 553.3   | 536.9   | 520.5   | 527.9   | 522.0   |
| 22.5° | 256.5   | 278.9   | 275.9   | 261.0   | 278.9   |
| 25°   | 116.3   | 132.7   | 140.2   | 146.2   | 159.6   |
| 27.5° | 71.6    | 68.6    | 79.0    | 85.0    | 86.5    |
| 30°   | 47.7    | 46.2    | 47.7    | 49.2    | 49.2    |
| 32.5° | 34.3    | 32.8    | 31.3    | 31.3    | 32.8    |
| 35°   | 25.4    | 25.4    | 22.4    | 23.9    | 23.9    |
| 37.5° | 17.9    | 17.9    | 16.4    | 17.9    | 17.9    |
| 40°   | 10.4    | 11.9    | 11.9    | 11.9    | 13.4    |
| 42.5° | 6.0     | 7.5     | 7.5     | 7.5     | 7.5     |
| 45°   | 3.0     | 4.5     | 4.5     | 4.5     | 4.5     |
| 47.5° | 1.5     | 1.5     | 1.5     | 3.0     | 3.0     |
| 50°   | 1.5     | 1.5     | 1.5     | 1.5     | 1.5     |
| 52.5° | 1.5     | 0.0     | 0.0     | 0.0     | 1.5     |
| 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     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)