

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: P1313526

Luminaire Tested: P3SQAS17R209730DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313526  
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: P3SQAS17R209730DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

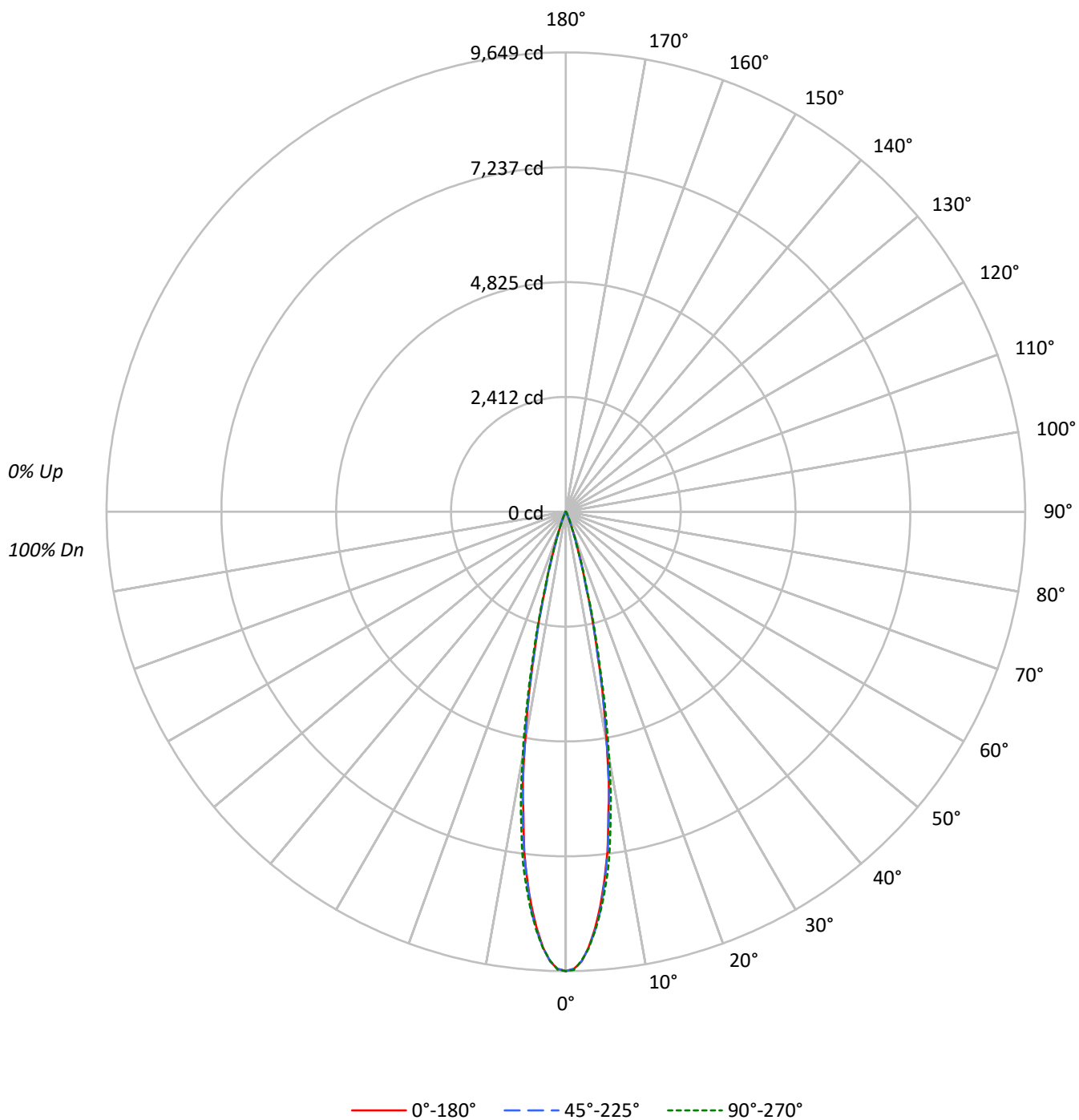
Lumens per Lamp: N/A  
Luminaire Lumens: 1296.0 lumens  
Efficiency: N/A  
Efficacy: 61.1 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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

TEST NUMBER: P1313526

CATALOG NUMBER: P3SQAS17R209730DE010 E3SQPH1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1313526

CATALOG NUMBER: P3SQAS17R209730DE010 E3SQPH1MB

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

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1661793 | 1661793 | 1661793 |
| 5°  | 1435600 | 1448963 | 1454357 |
| 10° | 864202  | 872281  | 915704  |
| 15° | 298917  | 291909  | 315177  |
| 20° | 78515   | 73860   | 74062   |
| 25° | 17121   | 20618   | 23468   |
| 30° | 7338    | 7338    | 7577    |
| 35° | 4121    | 3637    | 3890    |
| 40° | 1821    | 2068    | 2338    |
| 45° | 560     | 852     | 852     |
| 50° | 322     | 322     | 322     |
| 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: 852 cd/sqm

TEST NUMBER: P1313526

CATALOG NUMBER: P3SQAS17R209730DE010 E3SQPH1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 690.1  | 53.3      |
| 10°-20°   | 525.4  | 40.5      |
| 20°-30°   | 65.0   | 5.0       |
| 30°-40°   | 12.3   | 0.9       |
| 40°-50°   | 3.0    | 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°    | 1280.6 | 98.8      |
| 0°-40°    | 1292.9 | 99.8      |
| 0°-60°    | 1296.0 | 100.0     |
| 0°-90°    | 1296.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1296.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 9649 | 9649  | 9649 | 9649  | 9649 |      |
| 5°  | 8304 | 8298  | 8381 | 8376  | 8412 | 685  |
| 15° | 1676 | 1616  | 1637 | 1735  | 1768 | 525  |
| 25° | 90   | 103   | 108  | 113   | 124  | 62   |
| 35° | 20   | 20    | 17   | 18    | 18   | 13   |
| 45° | 2    | 4     | 4    | 4     | 4    | 2    |
| 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: P1313526

CATALOG NUMBER: P3SQAS17R209730DE010 E3SQPH1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 9649.1 | 9649.1 | 9649.1 | 9649.1 | 9649.1 |
| 1°    | 9604.1 | 9592.5 | 9601.8 | 9582.1 | 9622.5 |
| 2°    | 9450.5 | 9439.0 | 9439.0 | 9427.4 | 9433.2 |
| 3°    | 9164.2 | 9182.6 | 9171.1 | 9146.8 | 9178.0 |
| 4°    | 8773.9 | 8794.7 | 8813.2 | 8814.3 | 8818.9 |
| 5°    | 8304.0 | 8298.2 | 8381.3 | 8375.6 | 8412.5 |
| 6°    | 7768.2 | 7761.3 | 7797.1 | 7857.1 | 7931.0 |
| 7°    | 7179.4 | 7095.1 | 7190.9 | 7312.2 | 7411.5 |
| 8°    | 6417.3 | 6439.3 | 6505.1 | 6648.3 | 6727.9 |
| 9°    | 5770.8 | 5642.6 | 5782.3 | 5953.2 | 6039.8 |
| 10°   | 4941.7 | 4837.8 | 4987.9 | 5168.0 | 5236.2 |
| 12.5° | 3110.5 | 3020.5 | 3069.0 | 3258.3 | 3288.3 |
| 15°   | 1676.5 | 1616.5 | 1637.2 | 1735.4 | 1767.7 |
| 17.5° | 855.6  | 801.3  | 789.8  | 852.1  | 859.0  |
| 20°   | 428.4  | 415.7  | 403.0  | 408.7  | 404.1  |
| 22.5° | 198.6  | 215.9  | 213.6  | 202.1  | 215.9  |
| 25°   | 90.1   | 102.8  | 108.5  | 113.2  | 123.5  |
| 27.5° | 55.4   | 53.1   | 61.2   | 65.8   | 67.0   |
| 30°   | 36.9   | 35.8   | 36.9   | 38.1   | 38.1   |
| 32.5° | 26.6   | 25.4   | 24.2   | 24.2   | 25.4   |
| 35°   | 19.6   | 19.6   | 17.3   | 18.5   | 18.5   |
| 37.5° | 13.9   | 13.9   | 12.7   | 13.9   | 13.9   |
| 40°   | 8.1    | 9.2    | 9.2    | 9.2    | 10.4   |
| 42.5° | 4.6    | 5.8    | 5.8    | 5.8    | 5.8    |
| 45°   | 2.3    | 3.5    | 3.5    | 3.5    | 3.5    |
| 47.5° | 1.2    | 1.2    | 1.2    | 2.3    | 2.3    |
| 50°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 52.5° | 1.2    | 0.0    | 0.0    | 0.0    | 1.2    |
| 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)