

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: P1308141

Luminaire Tested: P3SQAS17R209030DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308141  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R209030DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

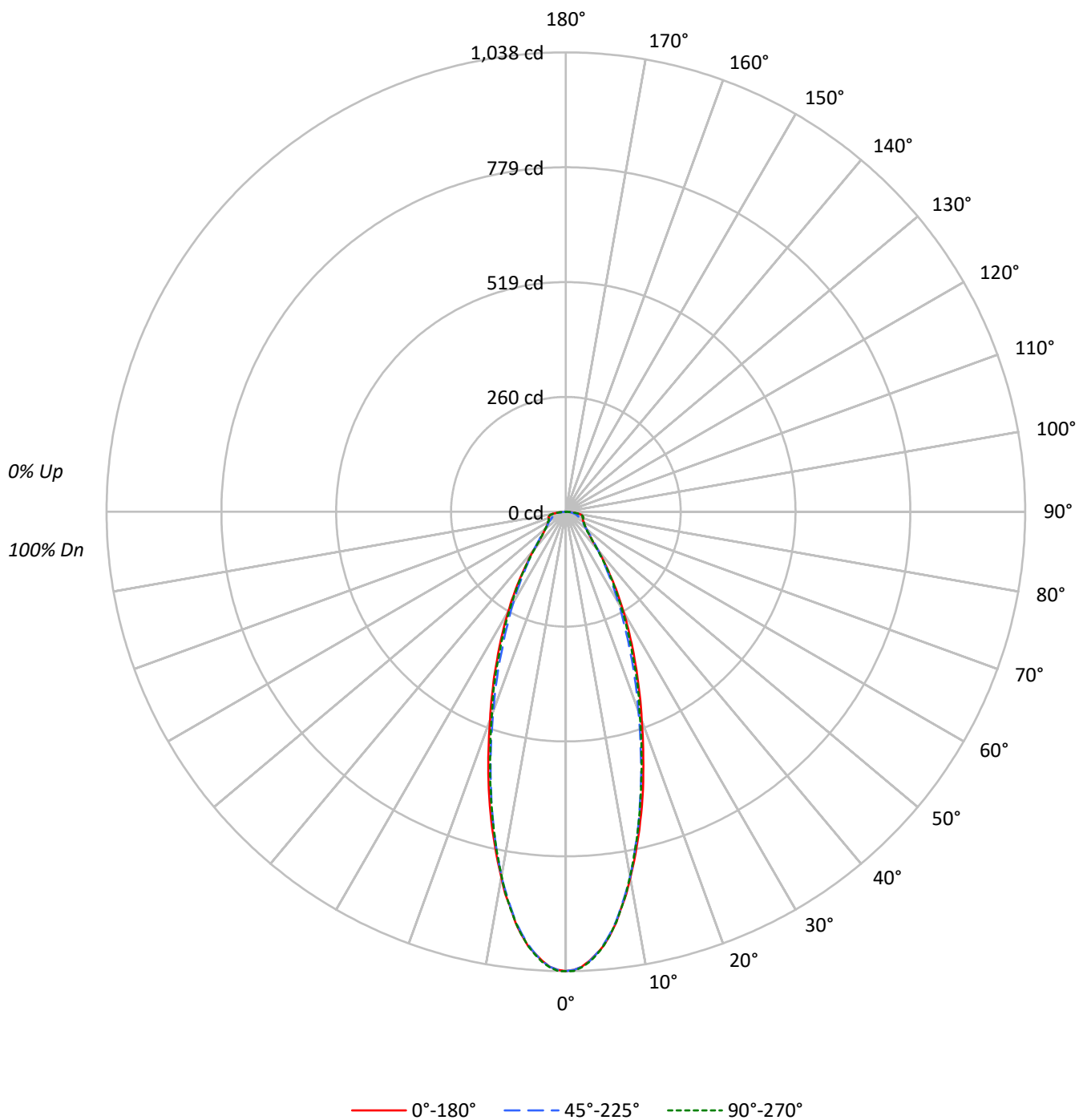
Lumens per Lamp: N/A  
Luminaire Lumens: 732.0 lumens  
Efficiency: N/A  
Efficacy: 34.5 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1308141

CATALOG NUMBER: P3SQAS17R209030DE010 E3SQPHLP1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1308141

CATALOG NUMBER: P3SQAS17R209030DE010 E3SQPHLP1MW

**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   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  |  | 97  | 95  | 94  |  | 94  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  |  | 90  | 86  | 83  |  | 87  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 85  | 81  | 77  |  | 83  | 79  | 75  |  | 81  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 75  | 71  | 79  | 74  | 70  |  | 77  | 73  | 69  |  | 75  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 68  | 64  |  | 72  | 67  | 63  |  | 71  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 69  | 64  | 59  |  | 68  | 63  | 59  |  | 67  |
| 7   | 78  | 67  | 61  | 56  | 77  | 67  | 60  | 56  | 65  | 60  | 55  |  | 64  | 59  | 55  |  | 63  |
| 8   | 74  | 63  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  |  | 61  | 55  | 52  |  | 60  |
| 9   | 71  | 60  | 53  | 49  | 69  | 59  | 53  | 49  | 58  | 53  | 49  |  | 57  | 52  | 49  |  | 57  |
| 10  | 67  | 57  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 50  | 46  |  | 55  | 50  | 46  |  | 54  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 178767 | 178767 | 178767 |
| 5°  | 170097 | 169648 | 170097 |
| 10° | 146829 | 146392 | 146164 |
| 15° | 119174 | 116411 | 116874 |
| 20° | 91821  | 87807  | 89457  |
| 25° | 69740  | 64609  | 67783  |
| 30° | 51725  | 47131  | 50194  |
| 35° | 36562  | 34123  | 36015  |
| 40° | 25180  | 25180  | 24618  |
| 45° | 18511  | 19436  | 18511  |
| 50° | 16210  | 16210  | 16210  |
| 55° | 15463  | 15073  | 15463  |
| 60° | 15982  | 14639  | 15982  |
| 65° | 17319  | 14711  | 17319  |
| 70° | 20746  | 14905  | 20746  |
| 75° | 26550  | 16303  | 26550  |
| 80° | 33225  | 16563  | 31936  |
| 85° | 25491  | 15215  | 28060  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 33225 cd/sqm

TEST NUMBER: P1308141

CATALOG NUMBER: P3SQAS17R209030DE010 E3SQPHLP1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 89.1   | 12.2      |
| 10°-20°   | 181.8  | 24.8      |
| 20°-30°   | 162.4  | 22.2      |
| 30°-40°   | 106.5  | 14.6      |
| 40°-50°   | 62.0   | 8.5       |
| 50°-60°   | 46.0   | 6.3       |
| 60°-70°   | 38.9   | 5.3       |
| 70°-80°   | 32.1   | 4.4       |
| 80°-90°   | 13.4   | 1.8       |
| 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°    | 433.2  | 59.2      |
| 0°-40°    | 539.8  | 73.7      |
| 0°-60°    | 647.7  | 88.5      |
| 0°-90°    | 732.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 732.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1038 | 1038  | 1038 | 1038  | 1038 |      |
| 5°  | 984  | 983   | 981  | 983   | 984  | 89   |
| 15° | 668  | 662   | 653  | 654   | 656  | 185  |
| 25° | 367  | 357   | 340  | 349   | 357  | 169  |
| 35° | 174  | 169   | 162  | 167   | 171  | 111  |
| 45° | 76   | 77    | 80   | 77    | 76   | 61   |
| 55° | 52   | 50    | 50   | 50    | 52   | 47   |
| 65° | 42   | 39    | 36   | 39    | 42   | 42   |
| 75° | 40   | 30    | 24   | 30    | 40   | 41   |
| 85° | 13   | 14    | 8    | 14    | 14   | 15   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1308141

CATALOG NUMBER: P3SQAS17R209030DE010 E3SQPHLP1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1038.0 | 1038.0 | 1038.0 | 1038.0 | 1038.0 |
| 1°    | 1035.4 | 1036.7 | 1035.4 | 1036.7 | 1038.0 |
| 2°    | 1029.0 | 1030.2 | 1029.0 | 1029.0 | 1030.2 |
| 3°    | 1016.1 | 1017.4 | 1017.4 | 1017.4 | 1018.7 |
| 4°    | 1000.6 | 1001.9 | 1000.6 | 1001.9 | 1003.2 |
| 5°    | 983.9  | 982.6  | 981.3  | 982.6  | 983.9  |
| 6°    | 960.7  | 959.4  | 958.1  | 959.4  | 960.7  |
| 7°    | 934.9  | 933.7  | 932.4  | 932.4  | 933.7  |
| 8°    | 902.8  | 904.0  | 900.2  | 902.8  | 904.0  |
| 9°    | 874.4  | 871.8  | 869.3  | 869.3  | 871.8  |
| 10°   | 839.6  | 837.1  | 837.1  | 835.8  | 835.8  |
| 12.5° | 754.7  | 749.5  | 745.6  | 745.6  | 746.9  |
| 15°   | 668.4  | 661.9  | 652.9  | 654.2  | 655.5  |
| 17.5° | 582.1  | 574.4  | 562.8  | 565.3  | 567.9  |
| 20°   | 501.0  | 493.2  | 479.1  | 484.2  | 488.1  |
| 22.5° | 431.4  | 419.8  | 406.9  | 410.8  | 423.7  |
| 25°   | 367.0  | 356.7  | 340.0  | 349.0  | 356.7  |
| 27.5° | 310.4  | 298.8  | 284.6  | 293.6  | 301.3  |
| 30°   | 260.1  | 249.8  | 237.0  | 244.7  | 252.4  |
| 32.5° | 215.1  | 206.0  | 197.0  | 202.2  | 208.6  |
| 35°   | 173.9  | 168.7  | 162.3  | 167.4  | 171.3  |
| 37.5° | 140.4  | 137.8  | 135.2  | 137.8  | 136.5  |
| 40°   | 112.0  | 113.3  | 112.0  | 112.0  | 109.5  |
| 42.5° | 88.9   | 92.7   | 94.0   | 91.4   | 88.9   |
| 45°   | 76.0   | 77.3   | 79.8   | 77.3   | 76.0   |
| 47.5° | 67.0   | 67.0   | 68.3   | 67.0   | 65.7   |
| 50°   | 60.5   | 60.5   | 60.5   | 60.5   | 60.5   |
| 52.5° | 55.4   | 55.4   | 54.1   | 55.4   | 55.4   |
| 55°   | 51.5   | 50.2   | 50.2   | 50.2   | 51.5   |
| 57.5° | 48.9   | 47.6   | 46.4   | 47.6   | 48.9   |
| 60°   | 46.4   | 43.8   | 42.5   | 43.8   | 46.4   |
| 62.5° | 43.8   | 41.2   | 39.9   | 41.2   | 43.8   |
| 65°   | 42.5   | 38.6   | 36.1   | 38.6   | 42.5   |
| 67.5° | 41.2   | 36.1   | 33.5   | 36.1   | 42.5   |
| 70°   | 41.2   | 33.5   | 29.6   | 34.8   | 41.2   |
| 72.5° | 39.9   | 32.2   | 27.0   | 32.2   | 39.9   |
| 75°   | 39.9   | 29.6   | 24.5   | 29.6   | 39.9   |
| 77.5° | 37.3   | 27.0   | 20.6   | 27.0   | 37.3   |
| 80°   | 33.5   | 24.5   | 16.7   | 24.5   | 32.2   |
| 82.5° | 24.5   | 20.6   | 12.9   | 20.6   | 24.5   |
| 85°   | 12.9   | 14.2   | 7.7    | 14.2   | 14.2   |
| 87.5° | 1.3    | 5.2    | 2.6    | 7.7    | 6.4    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)