

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: P1315018

Luminaire Tested: P3SQAS05R259740DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315018  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R259740DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

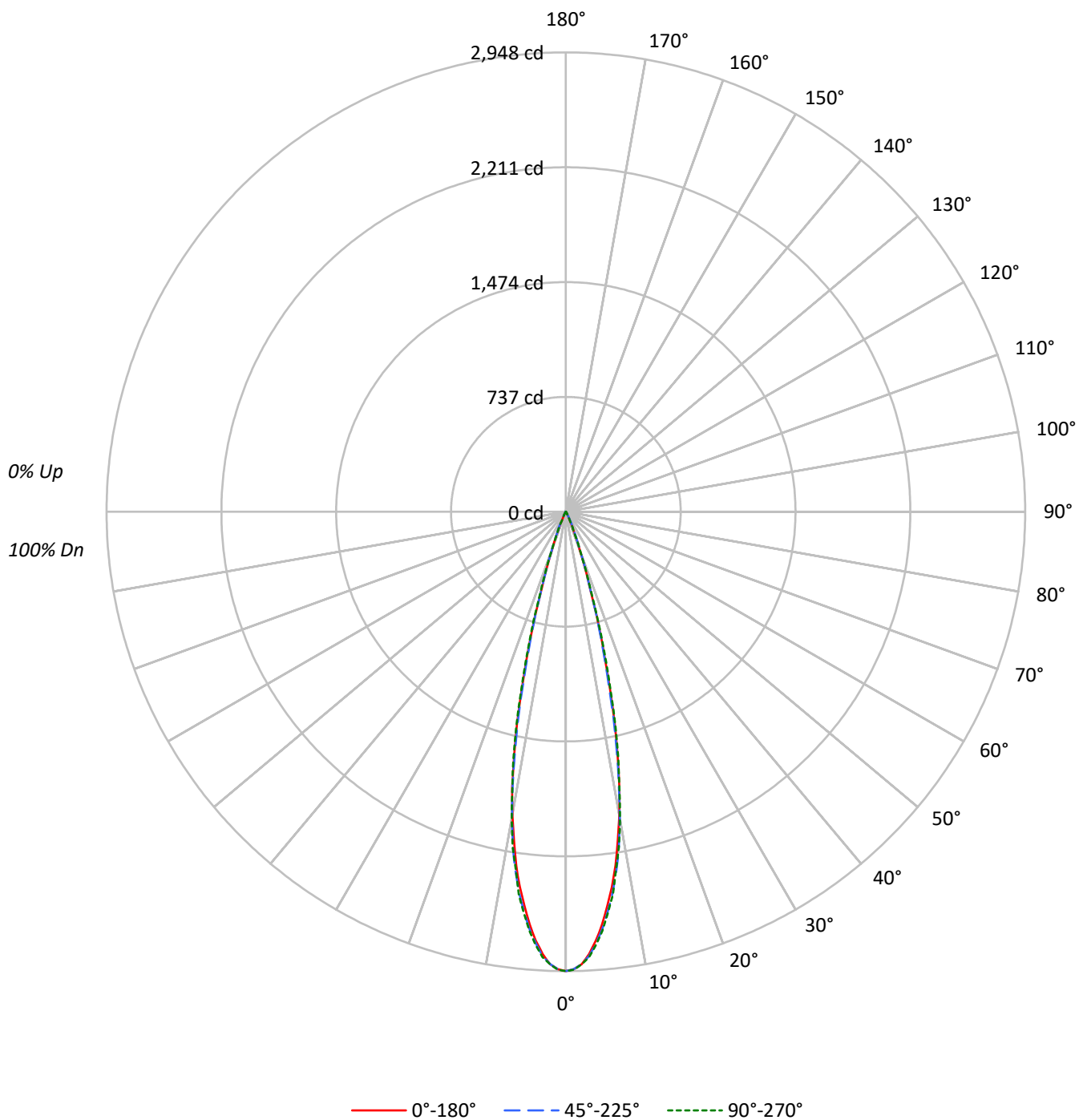
Lumens per Lamp: N/A  
Luminaire Lumens: 544.0 lumens  
Efficiency: N/A  
Efficacy: 75.6 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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: P1315018

CATALOG NUMBER: P3SQAS05R259740DE010 E3SQPH1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1315018

CATALOG NUMBER: P3SQAS05R259740DE010 E3SQPH1MW

**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 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 104 | 103 | 102 |  | 100 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 101 | 100 | 98  |  | 99  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  |  | 99  | 97  | 95  |  | 97  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 94  | 93  |  | 95  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  |  | 85  | 82  | 80  |  | 85  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 507661 | 507661 | 507661 |
| 5°  | 460035 | 464236 | 466501 |
| 10° | 345842 | 348290 | 349899 |
| 15° | 171237 | 166138 | 177210 |
| 20° | 48366  | 49154  | 49686  |
| 25° | 8380   | 15848  | 9957   |
| 30° | 3281   | 3381   | 3480   |
| 35° | 1030   | 1114   | 1114   |
| 40° | 337    | 427    | 337    |
| 45° | 244    | 122    | 244    |
| 50° | 134    | 0      | 134    |
| 55° | 150    | 0      | 150    |
| 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: 0°

Vertical Angle: 45°

Luminance: 244 cd/sqm

TEST NUMBER: P1315018

CATALOG NUMBER: P3SQAS05R259740DE010 E3SQPH1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 234.2  | 43.0      |
| 10°-20°   | 264.1  | 48.5      |
| 20°-30°   | 41.0   | 7.5       |
| 30°-40°   | 4.1    | 0.8       |
| 40°-50°   | 0.6    | 0.1       |
| 50°-60°   | 0.1    | 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°    | 539.2  | 99.1      |
| 0°-40°    | 543.3  | 99.9      |
| 0°-60°    | 544.0  | 100.0     |
| 0°-90°    | 544.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 544.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2948 | 2948  | 2948 | 2948  | 2948 |      |
| 5°  | 2661 | 2666  | 2685 | 2696  | 2698 | 232  |
| 15° | 960  | 954   | 932  | 974   | 994  | 263  |
| 25° | 44   | 66    | 83   | 64    | 52   | 37   |
| 35° | 5    | 5     | 5    | 6     | 5    | 4    |
| 45° | 1    | 0     | 0    | 0     | 1    | 1    |
| 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: P1315018

CATALOG NUMBER: P3SQAS05R259740DE010 E3SQPH1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2947.7 | 2947.7 | 2947.7 | 2947.7 | 2947.7 |
| 1°    | 2935.5 | 2939.4 | 2935.1 | 2939.9 | 2939.4 |
| 2°    | 2905.0 | 2908.9 | 2903.5 | 2906.4 | 2906.4 |
| 3°    | 2842.4 | 2850.7 | 2855.5 | 2858.9 | 2861.8 |
| 4°    | 2760.0 | 2769.2 | 2776.5 | 2785.2 | 2785.2 |
| 5°    | 2661.0 | 2665.9 | 2685.3 | 2695.9 | 2698.4 |
| 6°    | 2543.1 | 2562.5 | 2577.1 | 2598.4 | 2585.3 |
| 7°    | 2425.3 | 2441.3 | 2461.7 | 2465.0 | 2474.3 |
| 8°    | 2291.4 | 2308.4 | 2327.3 | 2323.9 | 2316.1 |
| 9°    | 2128.4 | 2153.2 | 2175.5 | 2168.2 | 2177.9 |
| 10°   | 1977.6 | 1992.6 | 1991.6 | 1984.4 | 2000.8 |
| 11°   | 1802.5 | 1805.9 | 1786.9 | 1816.5 | 1798.6 |
| 12°   | 1594.9 | 1597.8 | 1573.5 | 1602.6 | 1621.1 |
| 13°   | 1396.0 | 1389.2 | 1355.7 | 1394.0 | 1417.3 |
| 14°   | 1167.0 | 1169.5 | 1126.8 | 1201.0 | 1195.2 |
| 15°   | 960.4  | 953.6  | 931.8  | 973.5  | 993.9  |
| 17.5° | 511.7  | 516.1  | 510.8  | 531.6  | 544.7  |
| 20°   | 263.9  | 271.1  | 268.2  | 277.0  | 271.1  |
| 22.5° | 136.8  | 147.0  | 149.9  | 143.1  | 124.7  |
| 25°   | 44.1   | 65.5   | 83.4   | 63.5   | 52.4   |
| 27.5° | 26.7   | 26.2   | 40.7   | 28.1   | 28.6   |
| 30°   | 16.5   | 16.0   | 17.0   | 17.0   | 17.5   |
| 32.5° | 9.2    | 9.7    | 9.2    | 10.2   | 9.7    |
| 35°   | 4.9    | 5.3    | 5.3    | 5.8    | 5.3    |
| 37.5° | 2.9    | 3.4    | 3.4    | 3.4    | 2.9    |
| 40°   | 1.5    | 1.9    | 1.9    | 1.5    | 1.5    |
| 42.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 45°   | 1.0    | 0.5    | 0.5    | 0.5    | 1.0    |
| 47.5° | 0.5    | 0.5    | 0.0    | 0.5    | 0.5    |
| 50°   | 0.5    | 0.5    | 0.0    | 0.5    | 0.5    |
| 52.5° | 0.5    | 0.0    | 0.0    | 0.0    | 0.5    |
| 55°   | 0.5    | 0.0    | 0.0    | 0.0    | 0.5    |
| 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: P1315018  
CATALOG NUMBER: P3SQAS05R259740DE010 E3SQPH1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)