

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: P1314064

Luminaire Tested: P3SQAS05R309735DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314064  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R309735DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

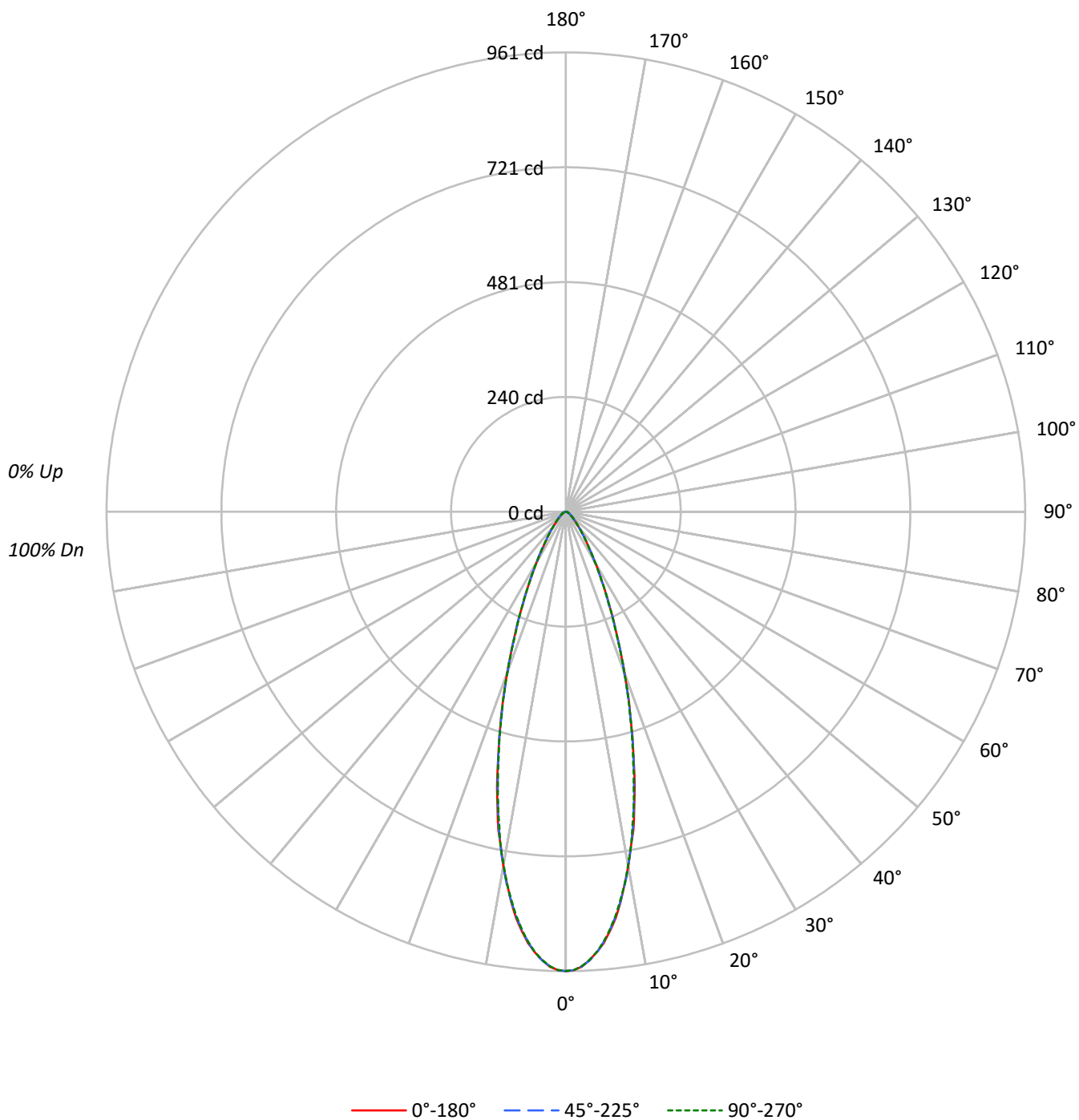
Lumens per Lamp: N/A  
Luminaire Lumens: 422.0 lumens  
Efficiency: N/A  
Efficacy: 58.6 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1314064

CATALOG NUMBER: P3SQAS05R309735DE010 E3SQPHL1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1314064

CATALOG NUMBER: P3SQAS05R309735DE010 E3SQPHL1MB

**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   | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 |  | 101 | 100 | 98  |  | 98  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  |  | 91  | 88  | 85  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 84  | 81  |  | 87  | 83  | 80  |  | 85  |
| 5   | 95  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  |  | 82  | 79  | 76  |  | 81  |
| 6   | 90  | 82  | 77  | 73  | 89  | 82  | 76  | 73  | 80  | 76  | 72  |  | 79  | 75  | 72  |  | 77  |
| 7   | 87  | 78  | 73  | 69  | 86  | 78  | 72  | 69  | 76  | 72  | 68  |  | 75  | 71  | 68  |  | 74  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |
| 10  | 77  | 68  | 63  | 60  | 76  | 68  | 63  | 60  | 67  | 63  | 59  |  | 66  | 62  | 59  |  | 66  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 165489 | 165489 | 165489 |
| 5°  | 156682 | 156267 | 156198 |
| 10° | 131632 | 131632 | 131142 |
| 15° | 98064  | 97814  | 97226  |
| 20° | 65631  | 65301  | 65374  |
| 25° | 40457  | 40362  | 40552  |
| 30° | 24321  | 24321  | 24421  |
| 35° | 14927  | 14927  | 15011  |
| 40° | 9442   | 9442   | 9667   |
| 45° | 6479   | 6600   | 6600   |
| 50° | 4742   | 4742   | 4742   |
| 55° | 3633   | 3783   | 3783   |
| 60° | 3066   | 3066   | 3203   |
| 65° | 2649   | 2649   | 2649   |
| 70° | 2367   | 2568   | 2568   |
| 75° | 2196   | 2196   | 2196   |
| 80° | 1884   | 1884   | 1884   |
| 85° | 988    | 988    | 988    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6600 cd/sqm

TEST NUMBER: P1314064

CATALOG NUMBER: P3SQAS05R309735DE010 E3SQPHL1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 81.5   | 19.3      |
| 10°-20°   | 150.4  | 35.6      |
| 20°-30°   | 100.0  | 23.7      |
| 30°-40°   | 46.2   | 11.0      |
| 40°-50°   | 21.5   | 5.1       |
| 50°-60°   | 11.4   | 2.7       |
| 60°-70°   | 6.7    | 1.6       |
| 70°-80°   | 3.6    | 0.8       |
| 80°-90°   | 0.8    | 0.2       |
| 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°    | 331.8  | 78.6      |
| 0°-40°    | 378.1  | 89.6      |
| 0°-60°    | 411.0  | 97.4      |
| 0°-90°    | 422.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 422.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 961 | 961   | 961 | 961   | 961 |      |
| 5°  | 906 | 904   | 904 | 906   | 904 | 82   |
| 15° | 550 | 552   | 549 | 549   | 545 | 151  |
| 25° | 213 | 212   | 212 | 212   | 213 | 100  |
| 35° | 71  | 70    | 71  | 71    | 71  | 46   |
| 45° | 27  | 27    | 27  | 27    | 27  | 21   |
| 55° | 12  | 13    | 13  | 13    | 13  | 11   |
| 65° | 6   | 6     | 6   | 6     | 6   | 7    |
| 75° | 3   | 3     | 3   | 3     | 3   | 3    |
| 85° | 0   | 0     | 0   | 0     | 0   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1314064

CATALOG NUMBER: P3SQAS05R309735DE010 E3SQPHL1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 960.9 | 960.9 | 960.9 | 960.9 | 960.9 |
| 1°    | 959.0 | 958.1 | 959.0 | 960.4 | 958.6 |
| 2°    | 952.5 | 951.6 | 951.6 | 953.4 | 951.6 |
| 3°    | 939.9 | 940.8 | 940.4 | 942.2 | 939.0 |
| 4°    | 924.0 | 923.5 | 925.4 | 926.3 | 923.5 |
| 5°    | 906.3 | 904.4 | 903.9 | 906.3 | 903.5 |
| 6°    | 882.0 | 880.6 | 879.7 | 882.5 | 878.7 |
| 7°    | 855.8 | 854.9 | 853.5 | 854.4 | 851.6 |
| 8°    | 823.6 | 823.2 | 822.2 | 823.2 | 819.9 |
| 9°    | 787.7 | 787.7 | 789.5 | 789.1 | 787.2 |
| 10°   | 752.7 | 753.6 | 752.7 | 753.6 | 749.9 |
| 11°   | 713.4 | 713.4 | 714.4 | 713.9 | 714.4 |
| 12°   | 679.4 | 675.6 | 674.7 | 673.7 | 670.9 |
| 13°   | 635.5 | 632.7 | 631.7 | 632.7 | 631.3 |
| 14°   | 595.3 | 593.4 | 588.8 | 589.7 | 587.8 |
| 15°   | 550.0 | 551.9 | 548.6 | 548.6 | 545.3 |
| 17.5° | 449.6 | 447.8 | 448.7 | 449.2 | 447.8 |
| 20°   | 358.1 | 357.2 | 356.3 | 355.3 | 356.7 |
| 22.5° | 278.3 | 278.7 | 277.8 | 276.9 | 275.9 |
| 25°   | 212.9 | 212.4 | 212.4 | 212.4 | 213.4 |
| 27.5° | 161.5 | 161.5 | 161.5 | 162.0 | 162.0 |
| 30°   | 122.3 | 121.4 | 122.3 | 122.8 | 122.8 |
| 32.5° | 91.5  | 92.4  | 92.9  | 92.9  | 92.9  |
| 35°   | 71.0  | 70.5  | 71.0  | 71.4  | 71.4  |
| 37.5° | 54.2  | 54.2  | 54.6  | 54.6  | 55.1  |
| 40°   | 42.0  | 42.0  | 42.0  | 42.5  | 43.0  |
| 42.5° | 33.2  | 33.2  | 33.6  | 33.6  | 34.1  |
| 45°   | 26.6  | 26.6  | 27.1  | 27.1  | 27.1  |
| 47.5° | 21.5  | 21.5  | 21.9  | 21.9  | 21.9  |
| 50°   | 17.7  | 17.7  | 17.7  | 17.7  | 17.7  |
| 52.5° | 14.9  | 14.5  | 14.9  | 14.9  | 14.9  |
| 55°   | 12.1  | 12.6  | 12.6  | 12.6  | 12.6  |
| 57.5° | 10.3  | 10.7  | 10.7  | 10.7  | 10.7  |
| 60°   | 8.9   | 8.9   | 8.9   | 9.3   | 9.3   |
| 62.5° | 7.5   | 7.9   | 7.9   | 7.9   | 7.9   |
| 65°   | 6.5   | 6.5   | 6.5   | 6.5   | 6.5   |
| 67.5° | 5.6   | 5.6   | 5.6   | 5.6   | 6.1   |
| 70°   | 4.7   | 4.7   | 5.1   | 5.1   | 5.1   |
| 72.5° | 4.2   | 4.2   | 4.2   | 4.2   | 4.2   |
| 75°   | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   |
| 77.5° | 2.3   | 2.3   | 2.8   | 2.8   | 2.3   |
| 80°   | 1.9   | 1.9   | 1.9   | 1.9   | 1.9   |
| 82.5° | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |
| 85°   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P1314064

CATALOG NUMBER: P3SQAS05R309735DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)