

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: P1317566

Luminaire Tested: P3SQAS02R309835DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317566  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R309835DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

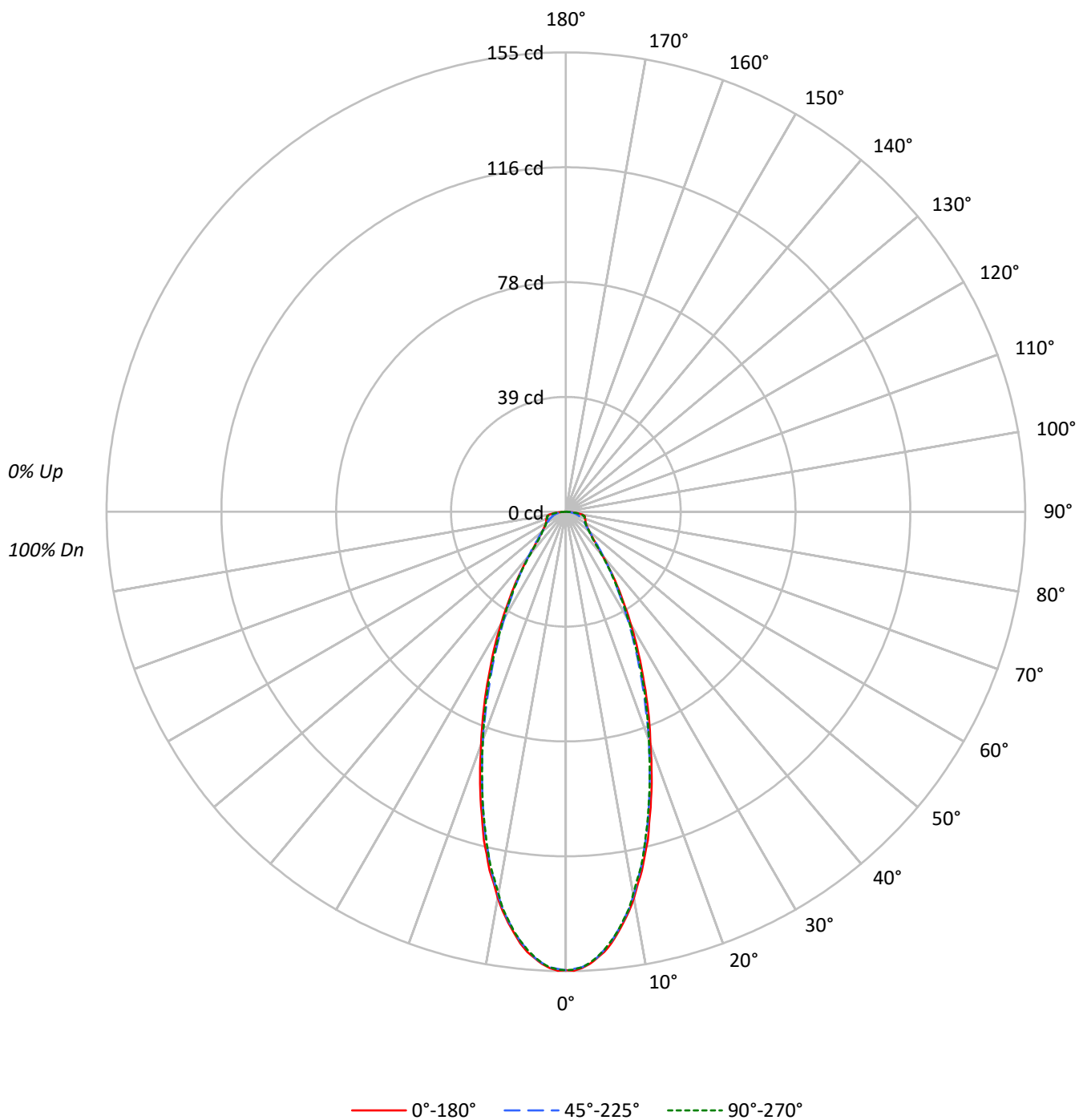
Lumens per Lamp: N/A  
Luminaire Lumens: 122.0 lumens  
Efficiency: N/A  
Efficacy: 33.9 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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

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### Luminous Intensity Polar Plot



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**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 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 99  | 96  |  | 97  | 95  | 93  |  | 94  |
| 2   | 104 | 98  | 92  | 88  | 102 | 96  | 91  | 87  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 86  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  |  | 83  | 78  | 75  |  | 80  |
| 4   | 92  | 82  | 76  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  |  | 77  | 72  | 68  |  | 75  |
| 5   | 86  | 76  | 70  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  |  | 72  | 67  | 63  |  | 70  |
| 6   | 82  | 71  | 64  | 59  | 80  | 70  | 64  | 59  | 69  | 63  | 59  |  | 67  | 62  | 58  |  | 66  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 60  | 55  | 65  | 59  | 55  |  | 63  | 58  | 54  |  | 62  |
| 8   | 74  | 63  | 56  | 51  | 72  | 62  | 56  | 51  | 61  | 55  | 51  |  | 60  | 55  | 51  |  | 59  |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  |  | 57  | 51  | 48  |  | 56  |
| 10  | 67  | 56  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  |  | 54  | 49  | 45  |  | 53  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 26643 | 26643 | 26643 |
| 5°  | 25776 | 25655 | 25655 |
| 10° | 23137 | 22997 | 22909 |
| 15° | 19381 | 19096 | 19060 |
| 20° | 15304 | 14992 | 14992 |
| 25° | 11725 | 11250 | 11478 |
| 30° | 8690  | 8253  | 8432  |
| 35° | 6286  | 6013  | 6055  |
| 40° | 4317  | 4406  | 4204  |
| 45° | 3239  | 3361  | 3093  |
| 50° | 2813  | 2760  | 2760  |
| 55° | 2642  | 2522  | 2582  |
| 60° | 2687  | 2514  | 2652  |
| 65° | 2975  | 2527  | 2893  |
| 70° | 3474  | 2518  | 3374  |
| 75° | 4458  | 2728  | 4325  |
| 80° | 5554  | 2975  | 5157  |
| 85° | 4347  | 2964  | 4150  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 80°  
Luminance: 5554 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 13.6   | 11.2      |
| 10°-20°   | 29.7   | 24.3      |
| 20°-30°   | 27.6   | 22.7      |
| 30°-40°   | 18.3   | 15.0      |
| 40°-50°   | 10.7   | 8.8       |
| 50°-60°   | 7.8    | 6.4       |
| 60°-70°   | 6.6    | 5.4       |
| 70°-80°   | 5.4    | 4.5       |
| 80°-90°   | 2.3    | 1.9       |
| 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°    | 70.9   | 58.2      |
| 0°-40°    | 89.3   | 73.2      |
| 0°-60°    | 107.7  | 88.3      |
| 0°-90°    | 122.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 122.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 155 | 155   | 155 | 155   | 155 |      |
| 5°  | 149 | 149   | 148 | 148   | 148 | 14   |
| 15° | 109 | 108   | 107 | 107   | 107 | 30   |
| 25° | 62  | 60    | 59  | 59    | 60  | 28   |
| 35° | 30  | 29    | 29  | 29    | 29  | 19   |
| 45° | 13  | 14    | 14  | 13    | 13  | 11   |
| 55° | 9   | 9     | 8   | 9     | 9   | 8    |
| 65° | 7   | 6     | 6   | 6     | 7   | 7    |
| 75° | 7   | 5     | 4   | 5     | 6   | 7    |
| 85° | 2   | 3     | 2   | 2     | 2   | 3    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 154.7 | 154.7 | 154.7 | 154.7 | 154.7 |
| 1°    | 154.9 | 154.7 | 154.3 | 154.5 | 154.5 |
| 2°    | 154.1 | 154.0 | 153.8 | 153.8 | 153.8 |
| 3°    | 152.8 | 152.7 | 152.5 | 152.5 | 152.5 |
| 4°    | 151.0 | 150.8 | 150.8 | 150.6 | 150.6 |
| 5°    | 149.1 | 148.9 | 148.4 | 148.4 | 148.4 |
| 6°    | 146.5 | 146.3 | 145.9 | 145.7 | 145.7 |
| 7°    | 143.3 | 143.3 | 142.8 | 142.6 | 142.8 |
| 8°    | 139.9 | 139.8 | 139.4 | 139.2 | 139.2 |
| 9°    | 136.4 | 135.8 | 135.8 | 135.3 | 135.7 |
| 10°   | 132.3 | 131.9 | 131.5 | 131.2 | 131.0 |
| 11°   | 127.6 | 127.4 | 126.9 | 126.5 | 126.3 |
| 12°   | 123.7 | 122.8 | 122.4 | 121.8 | 122.2 |
| 13°   | 118.6 | 118.1 | 117.2 | 117.0 | 117.2 |
| 14°   | 114.3 | 113.2 | 112.5 | 112.1 | 111.9 |
| 15°   | 108.7 | 107.6 | 107.1 | 106.9 | 106.9 |
| 17.5° | 96.2  | 95.5  | 94.0  | 94.0  | 94.0  |
| 20°   | 83.5  | 82.8  | 81.8  | 81.7  | 81.8  |
| 22.5° | 72.5  | 71.2  | 69.7  | 69.9  | 71.0  |
| 25°   | 61.7  | 60.5  | 59.2  | 59.4  | 60.4  |
| 27.5° | 52.5  | 51.0  | 49.7  | 50.1  | 50.6  |
| 30°   | 43.7  | 42.8  | 41.5  | 41.9  | 42.4  |
| 32.5° | 36.2  | 35.7  | 34.2  | 34.6  | 35.1  |
| 35°   | 29.9  | 29.3  | 28.6  | 28.8  | 28.8  |
| 37.5° | 23.9  | 23.9  | 23.7  | 23.5  | 23.4  |
| 40°   | 19.2  | 19.6  | 19.6  | 19.1  | 18.7  |
| 42.5° | 15.7  | 16.1  | 16.4  | 15.7  | 15.1  |
| 45°   | 13.3  | 13.5  | 13.8  | 13.1  | 12.7  |
| 47.5° | 11.6  | 11.6  | 12.0  | 11.4  | 11.2  |
| 50°   | 10.5  | 10.5  | 10.3  | 10.1  | 10.3  |
| 52.5° | 9.5   | 9.3   | 9.2   | 9.3   | 9.3   |
| 55°   | 8.8   | 8.6   | 8.4   | 8.6   | 8.6   |
| 57.5° | 8.2   | 8.0   | 7.8   | 7.8   | 8.0   |
| 60°   | 7.8   | 7.5   | 7.3   | 7.5   | 7.7   |
| 62.5° | 7.5   | 6.9   | 6.7   | 6.9   | 7.3   |
| 65°   | 7.3   | 6.5   | 6.2   | 6.5   | 7.1   |
| 67.5° | 7.1   | 6.2   | 5.6   | 6.2   | 6.9   |
| 70°   | 6.9   | 5.8   | 5.0   | 5.8   | 6.7   |
| 72.5° | 6.7   | 5.4   | 4.7   | 5.4   | 6.7   |
| 75°   | 6.7   | 5.0   | 4.1   | 5.0   | 6.5   |
| 77.5° | 6.4   | 4.7   | 3.6   | 4.7   | 6.2   |
| 80°   | 5.6   | 4.3   | 3.0   | 4.1   | 5.2   |
| 82.5° | 4.1   | 3.7   | 2.2   | 3.6   | 3.9   |
| 85°   | 2.2   | 2.6   | 1.5   | 2.4   | 2.1   |
| 87.5° | 0.4   | 0.6   | 0.4   | 1.1   | 0.7   |



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)