

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: P1318112

Luminaire Tested: P3SQAS17R209835DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318112  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R209835DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

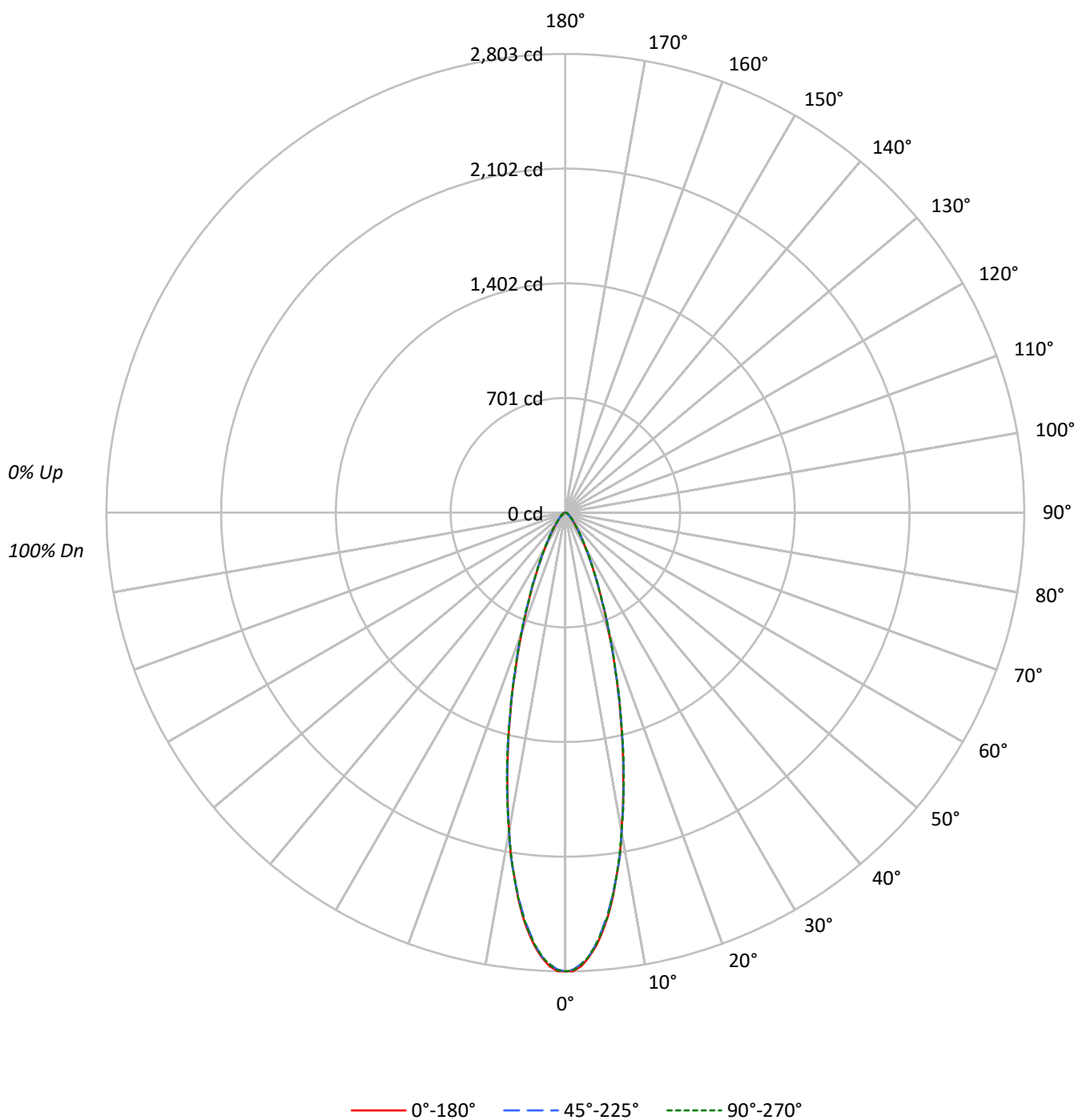
Lumens per Lamp: N/A  
Luminaire Lumens: 985.0 lumens  
Efficiency: N/A  
Efficacy: 48.3 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  |  | 96  | 94  | 92  |  | 94  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 84  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 86  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 6   | 92  | 84  | 79  | 75  | 90  | 83  | 78  | 75  | 82  | 77  | 74  |  | 80  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 70  | 67  |  | 73  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 62  | 78  | 70  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 482723 | 482723 | 482723 |
| 5°  | 445340 | 442782 | 444268 |
| 10° | 345579 | 346016 | 346016 |
| 15° | 233588 | 234676 | 234676 |
| 20° | 141855 | 143651 | 144329 |
| 25° | 83213  | 84372  | 84144  |
| 30° | 48543  | 49518  | 49756  |
| 35° | 29666  | 30422  | 30422  |
| 40° | 19312  | 19582  | 19852  |
| 45° | 13444  | 13737  | 14053  |
| 50° | 9860   | 10181  | 10181  |
| 55° | 7747   | 8107   | 8107   |
| 60° | 6751   | 6751   | 7199   |
| 65° | 5990   | 5990   | 6479   |
| 70° | 5539   | 5539   | 5539   |
| 75° | 4924   | 4924   | 4924   |
| 80° | 3670   | 3670   | 4860   |
| 85° | 2371   | 2371   | 4940   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14053 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 226.0  | 22.9      |
| 10°-20°   | 362.0  | 36.7      |
| 20°-30°   | 209.6  | 21.3      |
| 30°-40°   | 94.0   | 9.5       |
| 40°-50°   | 44.6   | 4.5       |
| 50°-60°   | 24.4   | 2.5       |
| 60°-70°   | 14.8   | 1.5       |
| 70°-80°   | 7.9    | 0.8       |
| 80°-90°   | 1.7    | 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°    | 797.6  | 81.0      |
| 0°-40°    | 891.6  | 90.5      |
| 0°-60°    | 960.5  | 97.5      |
| 0°-90°    | 985.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 985.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2803 | 2803  | 2803 | 2803  | 2803 |      |
| 5°  | 2576 | 2567  | 2561 | 2566  | 2570 | 227  |
| 15° | 1310 | 1310  | 1316 | 1310  | 1316 | 361  |
| 25° | 438  | 438   | 444  | 440   | 443  | 207  |
| 35° | 141  | 142   | 145  | 146   | 145  | 92   |
| 45° | 55   | 55    | 56   | 56    | 58   | 44   |
| 55° | 26   | 26    | 27   | 27    | 27   | 24   |
| 65° | 15   | 15    | 15   | 15    | 16   | 15   |
| 75° | 7    | 7     | 7    | 7     | 7    | 8    |
| 85° | 1    | 1     | 1    | 1     | 2    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2802.9 | 2802.9 | 2802.9 | 2802.9 | 2802.9 |
| 1°    | 2801.7 | 2794.3 | 2791.8 | 2789.4 | 2796.8 |
| 2°    | 2773.4 | 2764.9 | 2760.0 | 2762.4 | 2763.6 |
| 3°    | 2723.2 | 2718.2 | 2718.2 | 2714.6 | 2717.0 |
| 4°    | 2658.1 | 2648.3 | 2648.3 | 2649.6 | 2649.6 |
| 5°    | 2576.0 | 2567.4 | 2561.2 | 2566.1 | 2569.8 |
| 6°    | 2484.0 | 2472.9 | 2468.0 | 2469.2 | 2477.8 |
| 7°    | 2371.1 | 2356.4 | 2358.8 | 2365.0 | 2365.0 |
| 8°    | 2243.5 | 2242.3 | 2244.8 | 2242.3 | 2244.8 |
| 9°    | 2125.8 | 2108.6 | 2123.3 | 2111.1 | 2117.2 |
| 10°   | 1976.1 | 1974.9 | 1978.6 | 1982.3 | 1978.6 |
| 12.5° | 1635.1 | 1641.3 | 1643.7 | 1638.8 | 1649.8 |
| 15°   | 1310.1 | 1310.1 | 1316.2 | 1310.1 | 1316.2 |
| 17.5° | 1019.3 | 1018.1 | 1023.0 | 1018.1 | 1025.5 |
| 20°   | 774.0  | 782.6  | 783.8  | 783.8  | 787.5  |
| 22.5° | 583.9  | 583.9  | 588.8  | 590.0  | 587.6  |
| 25°   | 437.9  | 437.9  | 444.0  | 440.4  | 442.8  |
| 27.5° | 323.8  | 326.3  | 331.2  | 333.6  | 333.6  |
| 30°   | 244.1  | 245.3  | 249.0  | 250.2  | 250.2  |
| 32.5° | 184.0  | 186.5  | 188.9  | 190.1  | 191.4  |
| 35°   | 141.1  | 142.3  | 144.7  | 146.0  | 144.7  |
| 37.5° | 107.9  | 109.2  | 111.6  | 112.9  | 112.9  |
| 40°   | 85.9   | 85.9   | 87.1   | 88.3   | 88.3   |
| 42.5° | 67.5   | 68.7   | 68.7   | 69.9   | 69.9   |
| 45°   | 55.2   | 55.2   | 56.4   | 56.4   | 57.7   |
| 47.5° | 44.2   | 44.2   | 45.4   | 46.6   | 46.6   |
| 50°   | 36.8   | 36.8   | 38.0   | 38.0   | 38.0   |
| 52.5° | 30.7   | 30.7   | 31.9   | 31.9   | 31.9   |
| 55°   | 25.8   | 25.8   | 27.0   | 27.0   | 27.0   |
| 57.5° | 22.1   | 22.1   | 23.3   | 23.3   | 23.3   |
| 60°   | 19.6   | 19.6   | 19.6   | 19.6   | 20.9   |
| 62.5° | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   |
| 65°   | 14.7   | 14.7   | 14.7   | 14.7   | 15.9   |
| 67.5° | 12.3   | 12.3   | 12.3   | 12.3   | 13.5   |
| 70°   | 11.0   | 11.0   | 11.0   | 11.0   | 11.0   |
| 72.5° | 8.6    | 8.6    | 8.6    | 9.8    | 9.8    |
| 75°   | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    |
| 77.5° | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 80°   | 3.7    | 3.7    | 3.7    | 4.9    | 4.9    |
| 82.5° | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    |
| 85°   | 1.2    | 1.2    | 1.2    | 1.2    | 2.5    |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.2    | 1.2    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)