

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: P1315626

Luminaire Tested: P3SQAS20R209740D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315626  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R209740D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

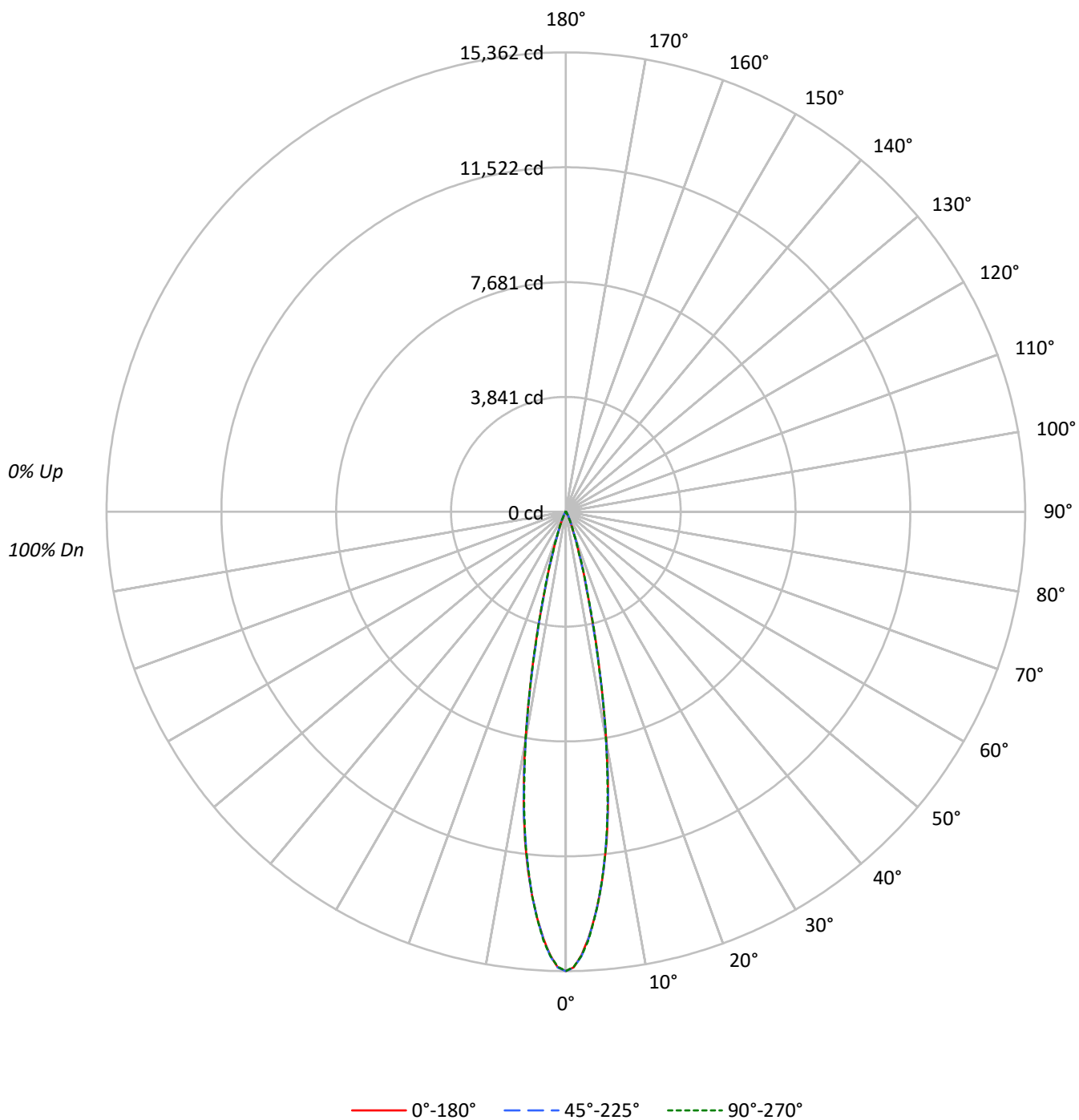
Lumens per Lamp: N/A  
Luminaire Lumens: 2117.0 lumens  
Efficiency: N/A  
Efficacy: 73.5 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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   | 116 | 114 | 112 | 110 | 113 | 111 | 110 | 109 | 108 | 106 | 105 |  | 104 | 103 | 102 |  | 101 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 102 | 100 | 99  |  | 99  |
| 3   | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99  | 102 | 99  | 97  |  | 99  | 97  | 96  |  | 97  |
| 4   | 107 | 102 | 98  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  |  | 97  | 95  | 93  |  | 96  |
| 5   | 104 | 99  | 95  | 93  | 103 | 98  | 95  | 92  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 6   | 102 | 96  | 93  | 90  | 101 | 96  | 92  | 90  | 94  | 92  | 89  |  | 93  | 91  | 89  |  | 92  |
| 7   | 100 | 94  | 90  | 88  | 99  | 94  | 90  | 88  | 92  | 90  | 87  |  | 91  | 89  | 87  |  | 91  |
| 8   | 97  | 92  | 88  | 86  | 97  | 91  | 88  | 86  | 91  | 88  | 86  |  | 90  | 87  | 85  |  | 89  |
| 9   | 96  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  |  | 88  | 86  | 84  |  | 88  |
| 10  | 94  | 88  | 85  | 83  | 93  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2645719 | 2645719 | 2645719 |
| 5°  | 2229934 | 2230781 | 2229657 |
| 10° | 1358883 | 1352570 | 1355718 |
| 15° | 478659  | 480691  | 495597  |
| 20° | 150396  | 154593  | 151294  |
| 25° | 56343   | 61626   | 57901   |
| 30° | 21816   | 30943   | 22810   |
| 35° | 8263    | 13771   | 8956    |
| 40° | 4429    | 5890    | 4429    |
| 45° | 1607    | 2801    | 1997    |
| 50° | 884     | 1313    | 884     |
| 55° | 991     | 991     | 991     |
| 60° | 551     | 551     | 551     |
| 65° | 652     | 652     | 652     |
| 70° | 806     | 806     | 806     |
| 75° | 0       | 0       | 1065    |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2801 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1066.4 | 50.4      |
| 10°-20°   | 836.2  | 39.5      |
| 20°-30°   | 164.2  | 7.8       |
| 30°-40°   | 36.8   | 1.7       |
| 40°-50°   | 8.4    | 0.4       |
| 50°-60°   | 2.7    | 0.1       |
| 60°-70°   | 1.6    | 0.1       |
| 70°-80°   | 0.7    | 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       |
| 0°-30°    | 2066.8 | 97.6      |
| 0°-40°    | 2103.6 | 99.4      |
| 0°-60°    | 2114.7 | 99.9      |
| 0°-90°    | 2117.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2117.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 15362 | 15362 | 15362 | 15362 | 15362 |      |
| 5°  | 12899 | 12910 | 12904 | 12948 | 12897 | 1069 |
| 15° | 2685  | 2696  | 2696  | 2755  | 2780  | 834  |
| 25° | 296   | 316   | 324   | 319   | 305   | 156  |
| 35° | 39    | 48    | 66    | 48    | 43    | 29   |
| 45° | 7     | 10    | 12    | 10    | 8     | 6    |
| 55° | 3     | 3     | 3     | 3     | 3     | 3    |
| 65° | 2     | 2     | 2     | 2     | 2     | 2    |
| 75° | 0     | 0     | 0     | 0     | 2     | 1    |
| 85° | 0     | 0     | 0     | 0     | 0     | 0    |
| 90° | 0     | 0     | 0     | 0     | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 15362.2 | 15362.2 | 15362.2 | 15362.2 | 15362.2 |
| 1°    | 15237.7 | 15204.9 | 15242.6 | 15213.1 | 15219.7 |
| 2°    | 14843.0 | 14824.9 | 14874.1 | 14843.0 | 14859.3 |
| 3°    | 14294.3 | 14271.3 | 14307.4 | 14309.0 | 14354.9 |
| 4°    | 13639.1 | 13594.9 | 13648.9 | 13650.5 | 13658.7 |
| 5°    | 12898.7 | 12910.2 | 12903.6 | 12947.9 | 12897.1 |
| 6°    | 12066.7 | 12104.3 | 12055.2 | 12079.8 | 12009.3 |
| 7°    | 11136.3 | 11088.8 | 11064.2 | 11072.4 | 11121.6 |
| 8°    | 10109.3 | 10076.6 | 10112.6 | 10061.8 | 10027.4 |
| 9°    | 8967.7  | 8910.4  | 8949.7  | 8900.5  | 8851.4  |
| 10°   | 7770.4  | 7744.2  | 7734.3  | 7678.6  | 7752.3  |
| 11°   | 6569.8  | 6491.1  | 6530.4  | 6502.6  | 6582.9  |
| 12°   | 5446.1  | 5452.7  | 5375.7  | 5400.3  | 5410.1  |
| 13°   | 4432.3  | 4327.4  | 4340.5  | 4407.7  | 4419.1  |
| 14°   | 3438.0  | 3452.8  | 3457.7  | 3505.2  | 3533.0  |
| 15°   | 2684.6  | 2696.0  | 2696.0  | 2755.0  | 2779.6  |
| 17.5° | 1439.7  | 1439.7  | 1470.9  | 1477.4  | 1480.7  |
| 20°   | 820.6   | 825.5   | 843.5   | 841.9   | 825.5   |
| 22.5° | 491.4   | 501.2   | 511.0   | 501.2   | 491.4   |
| 25°   | 296.5   | 316.1   | 324.3   | 319.4   | 304.7   |
| 27.5° | 176.9   | 198.2   | 221.1   | 203.1   | 175.3   |
| 30°   | 109.7   | 121.2   | 155.6   | 124.5   | 114.7   |
| 32.5° | 60.6    | 78.6    | 106.5   | 81.9    | 62.2    |
| 35°   | 39.3    | 47.5    | 65.5    | 47.5    | 42.6    |
| 37.5° | 27.8    | 32.8    | 40.9    | 34.4    | 29.5    |
| 40°   | 19.7    | 22.9    | 26.2    | 24.6    | 19.7    |
| 42.5° | 13.1    | 16.4    | 18.0    | 16.4    | 13.1    |
| 45°   | 6.6     | 9.8     | 11.5    | 9.8     | 8.2     |
| 47.5° | 3.3     | 4.9     | 8.2     | 4.9     | 3.3     |
| 50°   | 3.3     | 3.3     | 4.9     | 3.3     | 3.3     |
| 52.5° | 3.3     | 3.3     | 3.3     | 3.3     | 3.3     |
| 55°   | 3.3     | 3.3     | 3.3     | 3.3     | 3.3     |
| 57.5° | 3.3     | 3.3     | 1.6     | 3.3     | 1.6     |
| 60°   | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 62.5° | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 65°   | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 67.5° | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 70°   | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 72.5° | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 75°   | 0.0     | 0.0     | 0.0     | 0.0     | 1.6     |
| 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     |



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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)