

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: P1316372

Luminaire Tested: P3SQAS17R259827DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316372  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R259827DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

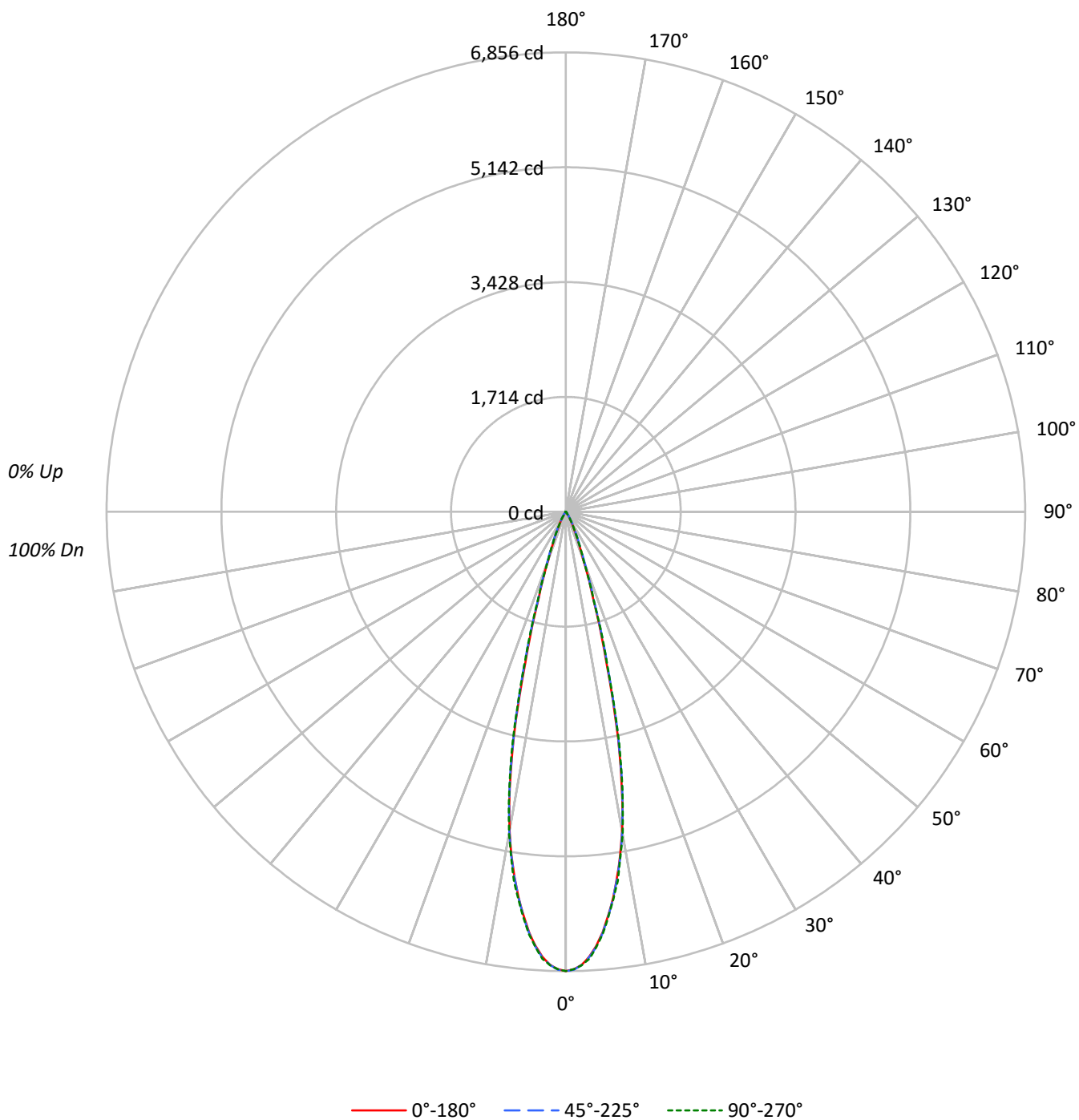
Lumens per Lamp: N/A  
Luminaire Lumens: 1427.0 lumens  
Efficiency: N/A  
Efficacy: 70.0 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  |  | 96  | 93  | 91  |  | 94  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 89  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1180672 | 1180672 | 1180672 |
| 5°  | 1088663 | 1091118 | 1093400 |
| 10° | 845280  | 848340  | 852940  |
| 15° | 417717  | 435297  | 435493  |
| 20° | 140646  | 150084  | 143468  |
| 25° | 58243   | 64704   | 59915   |
| 30° | 22870   | 28736   | 23068   |
| 35° | 5992    | 11732   | 6223    |
| 40° | 2226    | 4676    | 2226    |
| 45° | 268     | 1340    | 268     |
| 50° | 0       | 295     | 0       |
| 55° | 0       | 0       | 0       |
| 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: 45°

Vertical Angle: 45°

Luminance: 1340 cd/sqm

TEST NUMBER: P1316372

CATALOG NUMBER: P3SQAS17R259827DE010 E3SQCD1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 555.5  | 38.9      |
| 10°-20°   | 671.9  | 47.1      |
| 20°-30°   | 164.0  | 11.5      |
| 30°-40°   | 31.9   | 2.2       |
| 40°-50°   | 3.6    | 0.3       |
| 50°-60°   | 0.0    | 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°    | 1391.5 | 97.5      |
| 0°-40°    | 1423.3 | 99.7      |
| 0°-60°    | 1427.0 | 100.0     |
| 0°-90°    | 1427.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1427.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 6856 | 6856  | 6856 | 6856  | 6856 |      |
| 5°  | 6297 | 6306  | 6311 | 6339  | 6325 | 554  |
| 15° | 2343 | 2399  | 2441 | 2466  | 2442 | 660  |
| 25° | 306  | 323   | 340  | 326   | 315  | 156  |
| 35° | 28   | 40    | 56   | 40    | 30   | 25   |
| 45° | 1    | 3     | 6    | 3     | 1    | 2    |
| 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: P1316372

CATALOG NUMBER: P3SQAS17R259827DE010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 6855.5 | 6855.5 | 6855.5 | 6855.5 | 6855.5 |
| 1°    | 6829.3 | 6833.6 | 6834.7 | 6841.3 | 6828.2 |
| 2°    | 6766.9 | 6768.0 | 6771.2 | 6784.4 | 6772.3 |
| 3°    | 6651.9 | 6659.6 | 6660.7 | 6678.2 | 6681.5 |
| 4°    | 6495.4 | 6499.7 | 6508.5 | 6538.1 | 6511.8 |
| 5°    | 6297.2 | 6306.0 | 6311.4 | 6338.8 | 6324.6 |
| 6°    | 6052.0 | 6054.2 | 6066.2 | 6097.9 | 6078.2 |
| 7°    | 5802.4 | 5801.3 | 5802.4 | 5827.5 | 5822.1 |
| 8°    | 5501.3 | 5495.8 | 5513.3 | 5544.0 | 5564.8 |
| 9°    | 5187.1 | 5194.8 | 5205.7 | 5235.3 | 5211.2 |
| 10°   | 4833.5 | 4854.3 | 4851.0 | 4853.2 | 4877.3 |
| 11°   | 4426.2 | 4432.8 | 4433.9 | 4456.9 | 4453.6 |
| 12°   | 3947.8 | 3947.8 | 3983.9 | 4021.1 | 4009.1 |
| 13°   | 3465.0 | 3498.9 | 3474.8 | 3482.5 | 3530.7 |
| 14°   | 2902.3 | 2928.5 | 2961.4 | 2992.0 | 2968.0 |
| 15°   | 2342.8 | 2398.7 | 2441.4 | 2465.5 | 2442.5 |
| 17.5° | 1342.2 | 1360.8 | 1396.9 | 1401.3 | 1387.1 |
| 20°   | 767.4  | 790.4  | 818.9  | 810.1  | 782.8  |
| 22.5° | 482.8  | 489.4  | 517.8  | 503.6  | 497.0  |
| 25°   | 306.5  | 323.0  | 340.5  | 326.2  | 315.3  |
| 27.5° | 190.5  | 201.4  | 220.1  | 204.7  | 192.7  |
| 30°   | 115.0  | 124.8  | 144.5  | 123.7  | 116.0  |
| 32.5° | 60.2   | 74.4   | 90.9   | 75.5   | 60.2   |
| 35°   | 28.5   | 40.5   | 55.8   | 40.5   | 29.6   |
| 37.5° | 17.5   | 21.9   | 33.9   | 21.9   | 17.5   |
| 40°   | 9.9    | 14.2   | 20.8   | 14.2   | 9.9    |
| 42.5° | 4.4    | 7.7    | 9.9    | 7.7    | 5.5    |
| 45°   | 1.1    | 3.3    | 5.5    | 3.3    | 1.1    |
| 47.5° | 0.0    | 0.0    | 3.3    | 1.1    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.1    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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    |



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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)