

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: P1316578

Luminaire Tested: P3SQAS20R459827D010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316578  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R459827D010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

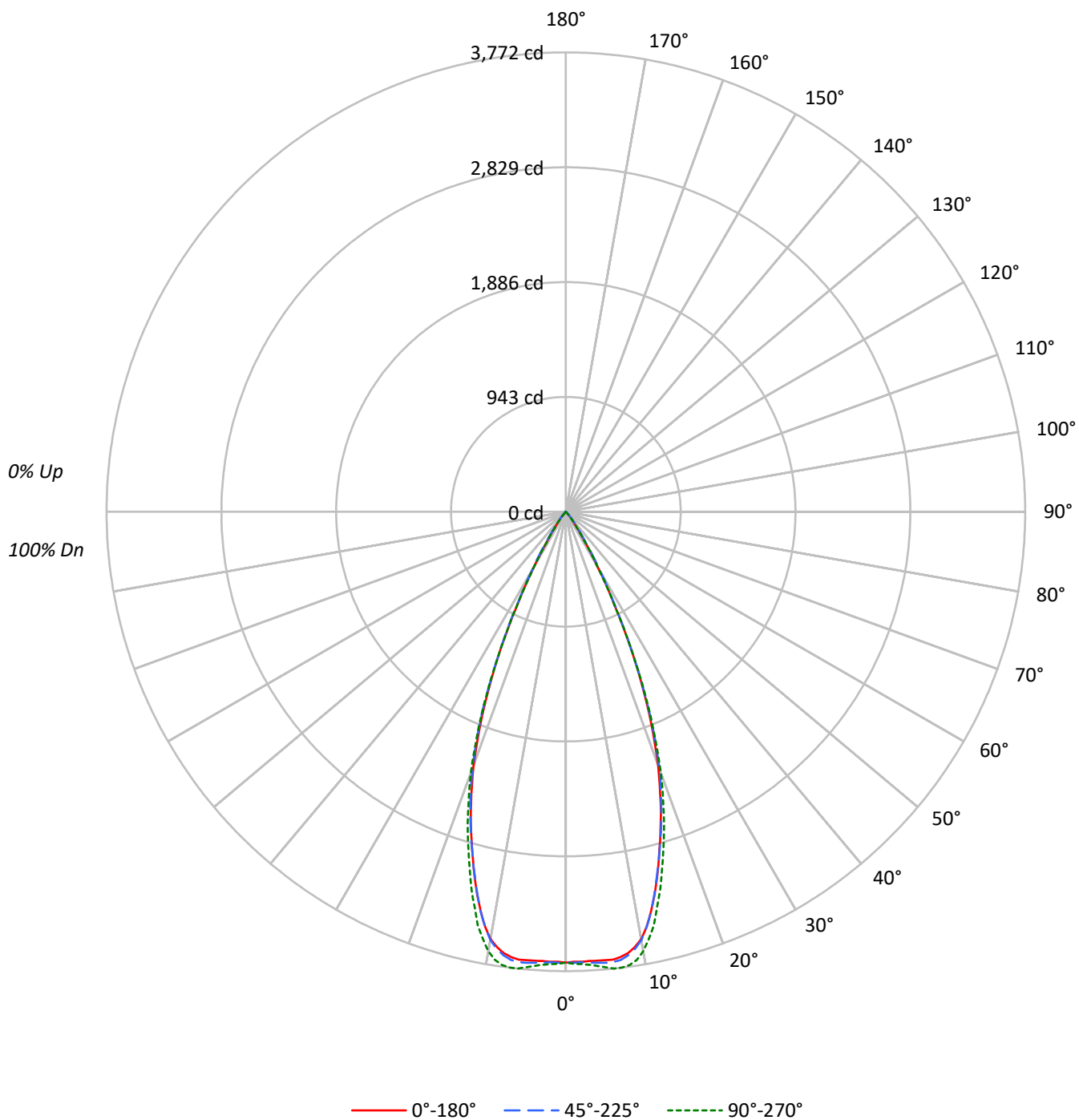
Lumens per Lamp: N/A  
Luminaire Lumens: 1914.0 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 96  |  | 98  | 96  | 94  |  | 95  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 97  | 93  | 91  |  | 94  | 92  | 89  |  | 92  |
| 4   | 102 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 89  | 86  |  | 90  | 87  | 85  |  | 89  |
| 5   | 98  | 91  | 86  | 83  | 96  | 90  | 86  | 82  | 88  | 85  | 82  |  | 87  | 83  | 81  |  | 85  |
| 6   | 94  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 77  |  | 82  |
| 7   | 91  | 83  | 78  | 75  | 89  | 82  | 78  | 74  | 81  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |
| 8   | 87  | 79  | 75  | 71  | 86  | 79  | 74  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  |
| 9   | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 70  | 68  |  | 73  |
| 10  | 81  | 73  | 68  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 637568 | 637568 | 637568 |
| 5°  | 639018 | 642718 | 649114 |
| 10° | 623026 | 624267 | 640688 |
| 15° | 525605 | 525872 | 543114 |
| 20° | 405735 | 411472 | 418253 |
| 25° | 251709 | 251975 | 253591 |
| 30° | 103848 | 110351 | 102137 |
| 35° | 32315  | 39484  | 31116  |
| 40° | 9915   | 13759  | 9285   |
| 45° | 682    | 5188   | 682    |
| 50° | 0      | 750    | 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: 5188 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 352.3  | 18.4      |
| 10°-20°   | 819.2  | 42.8      |
| 20°-30°   | 600.9  | 31.4      |
| 30°-40°   | 129.2  | 6.7       |
| 40°-50°   | 12.3   | 0.6       |
| 50°-60°   | 0.1    | 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°    | 1772.5 | 92.6      |
| 0°-40°    | 1901.6 | 99.4      |
| 0°-60°    | 1914.0 | 100.0     |
| 0°-90°    | 1914.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1914.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3702 | 3702  | 3702 | 3702  | 3702 |      |
| 5°  | 3696 | 3706  | 3718 | 3743  | 3755 | 350  |
| 15° | 2948 | 2942  | 2949 | 2996  | 3046 | 812  |
| 25° | 1325 | 1320  | 1326 | 1326  | 1334 | 594  |
| 35° | 154  | 165   | 188  | 161   | 148  | 121  |
| 45° | 3    | 8     | 21   | 8     | 3    | 7    |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3702.0 | 3702.0 | 3702.0 | 3702.0 | 3702.0 |
| 1°    | 3694.9 | 3703.4 | 3703.4 | 3709.1 | 3712.0 |
| 2°    | 3697.7 | 3703.4 | 3702.0 | 3712.0 | 3716.2 |
| 3°    | 3693.5 | 3703.4 | 3706.3 | 3717.7 | 3724.8 |
| 4°    | 3694.9 | 3703.4 | 3712.0 | 3729.0 | 3739.0 |
| 5°    | 3696.3 | 3706.3 | 3717.7 | 3743.3 | 3754.7 |
| 6°    | 3697.7 | 3704.9 | 3717.7 | 3750.4 | 3771.7 |
| 7°    | 3683.5 | 3693.5 | 3707.7 | 3749.0 | 3771.7 |
| 8°    | 3660.8 | 3666.4 | 3677.8 | 3731.9 | 3758.9 |
| 9°    | 3618.1 | 3616.6 | 3633.7 | 3693.5 | 3724.8 |
| 10°   | 3562.6 | 3545.5 | 3569.7 | 3629.4 | 3663.6 |
| 11°   | 3472.9 | 3454.5 | 3475.8 | 3539.8 | 3572.5 |
| 12°   | 3356.3 | 3356.3 | 3360.5 | 3417.5 | 3474.4 |
| 13°   | 3232.5 | 3218.3 | 3226.8 | 3290.8 | 3330.7 |
| 14°   | 3095.9 | 3081.7 | 3090.2 | 3138.6 | 3201.2 |
| 15°   | 2947.9 | 2942.3 | 2949.4 | 2996.3 | 3046.1 |
| 17.5° | 2596.5 | 2583.7 | 2609.3 | 2656.3 | 2681.9 |
| 20°   | 2213.8 | 2235.1 | 2245.1 | 2275.0 | 2282.1 |
| 22.5° | 1774.2 | 1796.9 | 1811.2 | 1815.4 | 1819.7 |
| 25°   | 1324.6 | 1320.3 | 1326.0 | 1326.0 | 1334.5 |
| 27.5° | 870.7  | 870.7  | 886.4  | 876.4  | 866.5  |
| 30°   | 522.2  | 543.5  | 554.9  | 536.4  | 513.6  |
| 32.5° | 284.6  | 305.9  | 324.4  | 297.4  | 277.4  |
| 35°   | 153.7  | 165.0  | 187.8  | 160.8  | 148.0  |
| 37.5° | 83.9   | 93.9   | 108.1  | 91.1   | 83.9   |
| 40°   | 44.1   | 54.1   | 61.2   | 54.1   | 41.3   |
| 42.5° | 14.2   | 27.0   | 35.6   | 27.0   | 12.8   |
| 45°   | 2.8    | 8.5    | 21.3   | 8.5    | 2.8    |
| 47.5° | 0.0    | 1.4    | 10.0   | 1.4    | 0.0    |
| 50°   | 0.0    | 0.0    | 2.8    | 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)