

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: P1311739

Luminaire Tested: P3SQAS24R209050D010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311739  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R209050D010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

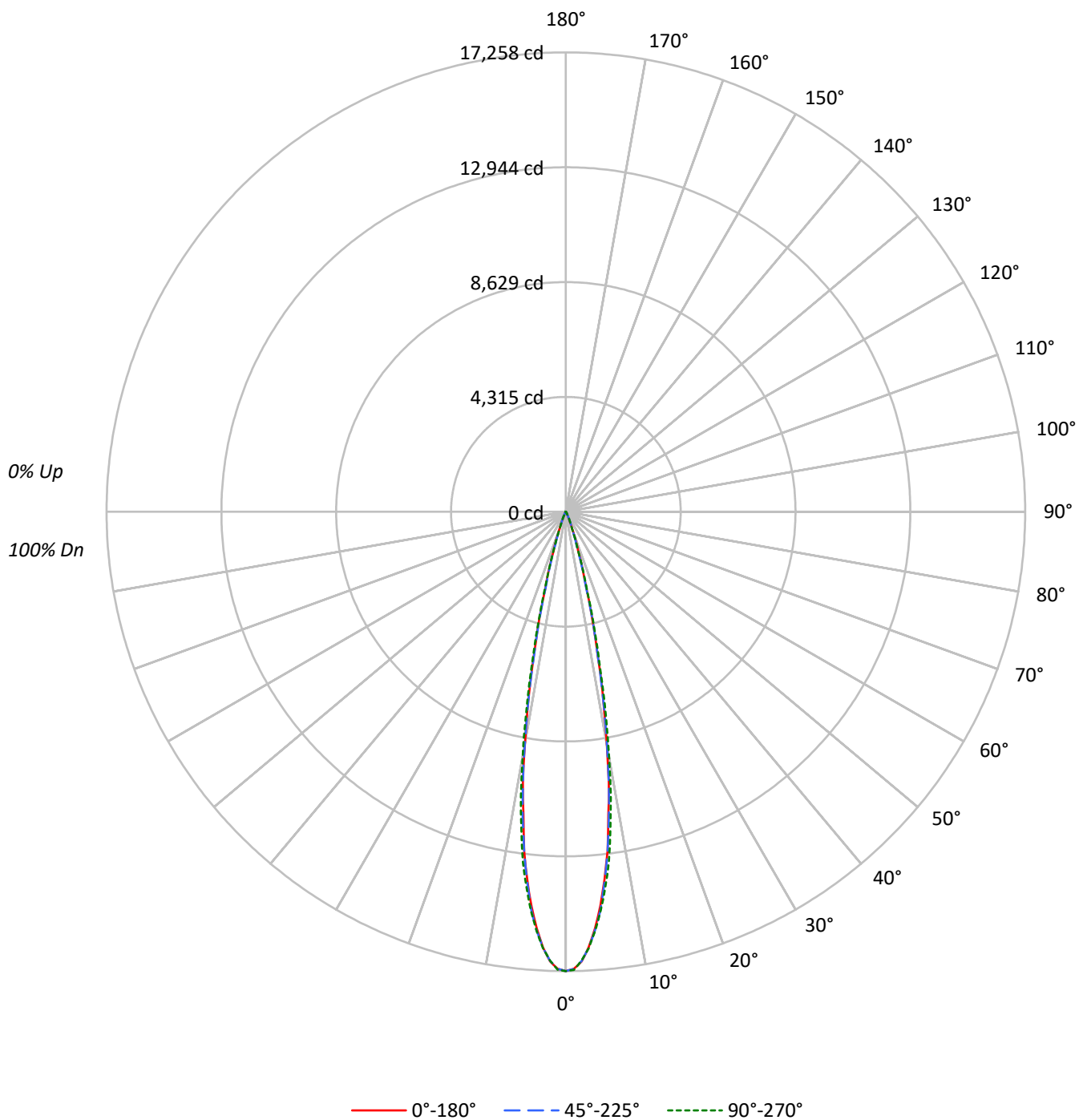
Lumens per Lamp: N/A  
Luminaire Lumens: 2318.0 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 |  | 104 | 103 | 102 |  | 101 |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 |  | 102 | 101 | 99  |  | 99  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  |  | 100 | 98  | 97  |  | 98  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 98  | 96  | 94  |  | 96  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  |  | 96  | 94  | 92  |  | 95  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 89  |  | 92  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  |  | 91  | 89  | 87  |  | 91  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 91  | 88  | 86  |  | 90  | 87  | 86  |  | 89  |
| 10  | 95  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  |  | 88  | 86  | 84  |  | 88  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2972253 | 2972253 | 2972253 |
| 5°  | 2567673 | 2591600 | 2601229 |
| 10° | 1545707 | 1560152 | 1637799 |
| 15° | 534644  | 522110  | 563725  |
| 20° | 140426  | 132087  | 132472  |
| 25° | 30613   | 36884   | 41996   |
| 30° | 13145   | 13145   | 13543   |
| 35° | 7380    | 6518    | 6938    |
| 40° | 3260    | 3710    | 4182    |
| 45° | 999     | 1510    | 1510    |
| 50° | 563     | 563     | 563     |
| 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: 22.5°

Vertical Angle: 45°

Luminance: 1510 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1234.4 | 53.3      |
| 10°-20°   | 939.8  | 40.5      |
| 20°-30°   | 116.2  | 5.0       |
| 30°-40°   | 22.0   | 0.9       |
| 40°-50°   | 5.3    | 0.2       |
| 50°-60°   | 0.3    | 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       |
| 0°-30°    | 2290.4 | 98.8      |
| 0°-40°    | 2312.4 | 99.8      |
| 0°-60°    | 2318.0 | 100.0     |
| 0°-90°    | 2318.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2318.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 17258 | 17258 | 17258 | 17258 | 17258 |      |
| 5°  | 14852 | 14842 | 14991 | 14980 | 15046 | 1225 |
| 15° | 2999  | 2891  | 2928  | 3104  | 3162  | 939  |
| 25° | 161   | 184   | 194   | 202   | 221   | 111  |
| 35° | 35    | 35    | 31    | 33    | 33    | 23   |
| 45° | 4     | 6     | 6     | 6     | 6     | 4    |
| 55° | 0     | 0     | 0     | 0     | 0     | 1    |
| 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°    | 17258.2 | 17258.2 | 17258.2 | 17258.2 | 17258.2 |
| 1°    | 17177.7 | 17157.0 | 17173.5 | 17138.4 | 17210.7 |
| 2°    | 16903.0 | 16882.3 | 16882.3 | 16861.7 | 16872.0 |
| 3°    | 16390.8 | 16423.9 | 16403.2 | 16359.9 | 16415.6 |
| 4°    | 15692.8 | 15730.0 | 15763.0 | 15765.1 | 15773.4 |
| 5°    | 14852.3 | 14842.0 | 14990.7 | 14980.4 | 15046.4 |
| 6°    | 13894.1 | 13881.7 | 13945.7 | 14053.1 | 14185.3 |
| 7°    | 12840.9 | 12690.1 | 12861.6 | 13078.4 | 13256.0 |
| 8°    | 11477.9 | 11517.2 | 11634.9 | 11890.9 | 12033.4 |
| 9°    | 10321.5 | 10092.2 | 10342.1 | 10647.7 | 10802.6 |
| 10°   | 8838.7  | 8652.8  | 8921.3  | 9243.5  | 9365.3  |
| 12.5° | 5563.4  | 5402.3  | 5489.1  | 5827.8  | 5881.5  |
| 15°   | 2998.6  | 2891.2  | 2928.3  | 3103.9  | 3161.7  |
| 17.5° | 1530.3  | 1433.2  | 1412.5  | 1524.1  | 1536.4  |
| 20°   | 766.2   | 743.4   | 720.7   | 731.1   | 722.8   |
| 22.5° | 355.2   | 386.2   | 382.0   | 361.4   | 386.2   |
| 25°   | 161.1   | 183.8   | 194.1   | 202.4   | 221.0   |
| 27.5° | 99.1    | 95.0    | 109.5   | 117.7   | 119.8   |
| 30°   | 66.1    | 64.0    | 66.1    | 68.1    | 68.1    |
| 32.5° | 47.5    | 45.4    | 43.4    | 43.4    | 45.4    |
| 35°   | 35.1    | 35.1    | 31.0    | 33.0    | 33.0    |
| 37.5° | 24.8    | 24.8    | 22.7    | 24.8    | 24.8    |
| 40°   | 14.5    | 16.5    | 16.5    | 16.5    | 18.6    |
| 42.5° | 8.3     | 10.3    | 10.3    | 10.3    | 10.3    |
| 45°   | 4.1     | 6.2     | 6.2     | 6.2     | 6.2     |
| 47.5° | 2.1     | 2.1     | 2.1     | 4.1     | 4.1     |
| 50°   | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     |
| 52.5° | 2.1     | 0.0     | 0.0     | 0.0     | 2.1     |
| 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     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)