

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: P1310515

Luminaire Tested: P3SQAS20R209040D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310515  
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: P3SQAS20R209040D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

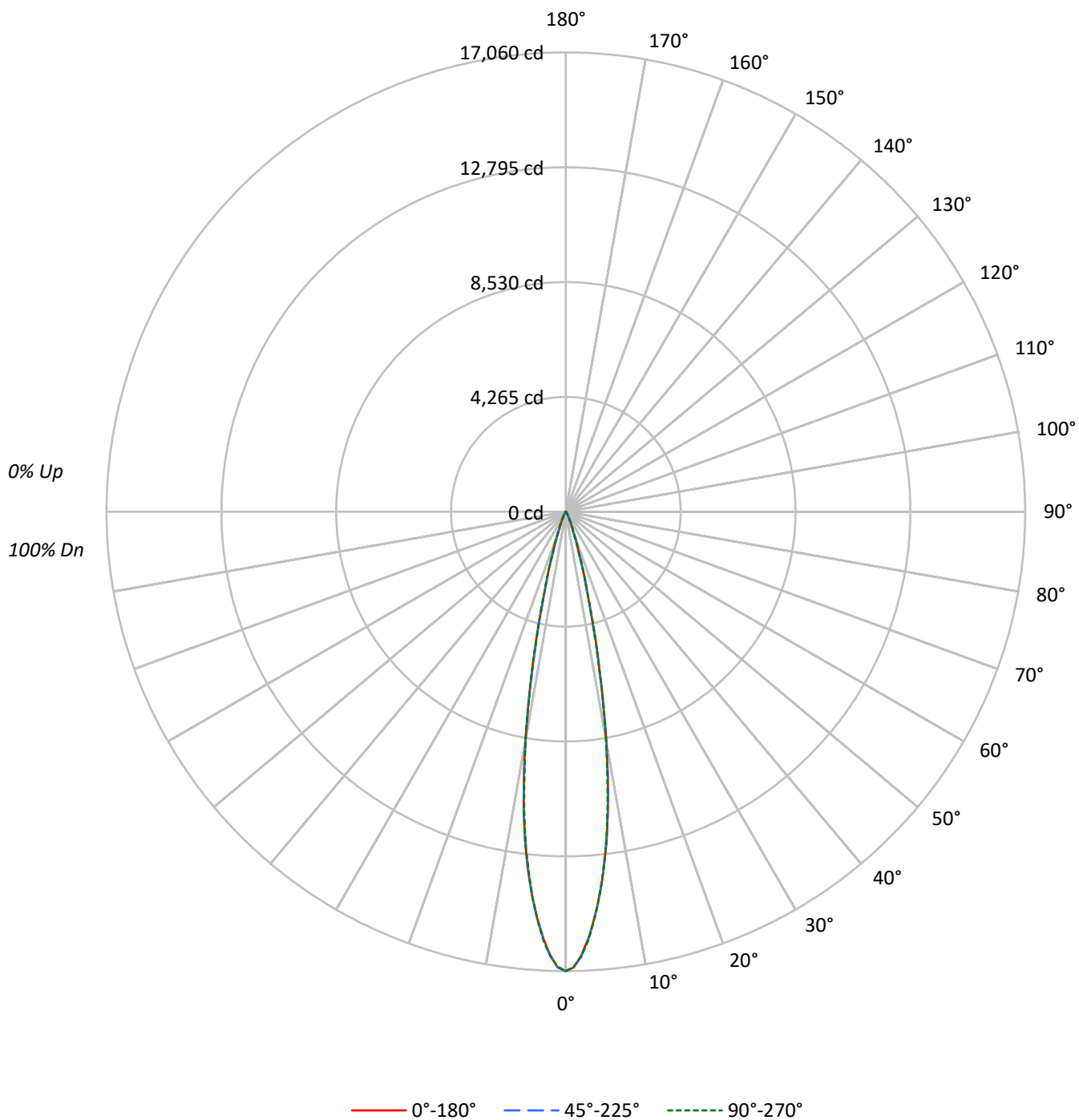
Lumens per Lamp: N/A  
Luminaire Lumens: 2351.0 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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°  | 2938153 | 2938153 | 2938153 |
| 5°  | 2476427 | 2477360 | 2476116 |
| 10° | 1509070 | 1502075 | 1505572 |
| 15° | 531560  | 533824  | 550370  |
| 20° | 167019  | 171692  | 168027  |
| 25° | 62557   | 68448   | 64286   |
| 30° | 24242   | 34364   | 25316   |
| 35° | 9188    | 15306   | 9945    |
| 40° | 4901    | 6542    | 4901    |
| 45° | 1778    | 3093    | 2216    |
| 50° | 965     | 1474    | 965     |
| 55° | 1081    | 1081    | 1081    |
| 60° | 620     | 620     | 620     |
| 65° | 734     | 734     | 734     |
| 70° | 906     | 906     | 906     |
| 75° | 0       | 0       | 1198    |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3093 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1184.3 | 50.4      |
| 10°-20°   | 928.6  | 39.5      |
| 20°-30°   | 182.4  | 7.8       |
| 30°-40°   | 40.9   | 1.7       |
| 40°-50°   | 9.3    | 0.4       |
| 50°-60°   | 2.9    | 0.1       |
| 60°-70°   | 1.8    | 0.1       |
| 70°-80°   | 0.8    | 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°    | 2295.3 | 97.6      |
| 0°-40°    | 2336.2 | 99.4      |
| 0°-60°    | 2348.4 | 99.9      |
| 0°-90°    | 2351.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2351.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 17060 | 17060 | 17060 | 17060 | 17060 |      |
| 5°  | 14324 | 14337 | 14330 | 14379 | 14323 | 1187 |
| 15° | 2981  | 2994  | 2994  | 3060  | 3087  | 927  |
| 25° | 329   | 351   | 360   | 355   | 338   | 174  |
| 35° | 44    | 53    | 73    | 53    | 47    | 32   |
| 45° | 7     | 11    | 13    | 11    | 9     | 7    |
| 55° | 4     | 4     | 4     | 4     | 4     | 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°    | 17060.2 | 17060.2 | 17060.2 | 17060.2 | 17060.2 |
| 1°    | 16922.0 | 16885.6 | 16927.4 | 16894.7 | 16902.0 |
| 2°    | 16483.6 | 16463.6 | 16518.2 | 16483.6 | 16501.8 |
| 3°    | 15874.3 | 15848.8 | 15888.8 | 15890.6 | 15941.6 |
| 4°    | 15146.7 | 15097.5 | 15157.6 | 15159.4 | 15168.5 |
| 5°    | 14324.5 | 14337.2 | 14329.9 | 14379.0 | 14322.7 |
| 6°    | 13400.4 | 13442.3 | 13387.7 | 13415.0 | 13336.8 |
| 7°    | 12367.3 | 12314.5 | 12287.2 | 12296.3 | 12350.9 |
| 8°    | 11226.8 | 11190.4 | 11230.4 | 11174.0 | 11135.8 |
| 9°    | 9958.9  | 9895.3  | 9938.9  | 9884.3  | 9829.8  |
| 10°   | 8629.2  | 8600.1  | 8589.2  | 8527.4  | 8609.2  |
| 11°   | 7295.9  | 7208.6  | 7252.3  | 7221.4  | 7310.5  |
| 12°   | 6048.1  | 6055.4  | 5969.9  | 5997.2  | 6008.1  |
| 13°   | 4922.2  | 4805.7  | 4820.3  | 4894.9  | 4907.6  |
| 14°   | 3818.0  | 3834.4  | 3839.9  | 3892.6  | 3923.5  |
| 15°   | 2981.3  | 2994.0  | 2994.0  | 3059.5  | 3086.8  |
| 17.5° | 1598.9  | 1598.9  | 1633.4  | 1640.7  | 1644.4  |
| 20°   | 911.3   | 916.8   | 936.8   | 935.0   | 916.8   |
| 22.5° | 545.7   | 556.6   | 567.5   | 556.6   | 545.7   |
| 25°   | 329.2   | 351.1   | 360.2   | 354.7   | 338.3   |
| 27.5° | 196.5   | 220.1   | 245.6   | 225.6   | 194.6   |
| 30°   | 121.9   | 134.6   | 172.8   | 138.2   | 127.3   |
| 32.5° | 67.3    | 87.3    | 118.2   | 90.9    | 69.1    |
| 35°   | 43.7    | 52.8    | 72.8    | 52.8    | 47.3    |
| 37.5° | 30.9    | 36.4    | 45.5    | 38.2    | 32.7    |
| 40°   | 21.8    | 25.5    | 29.1    | 27.3    | 21.8    |
| 42.5° | 14.6    | 18.2    | 20.0    | 18.2    | 14.6    |
| 45°   | 7.3     | 10.9    | 12.7    | 10.9    | 9.1     |
| 47.5° | 3.6     | 5.5     | 9.1     | 5.5     | 3.6     |
| 50°   | 3.6     | 3.6     | 5.5     | 3.6     | 3.6     |
| 52.5° | 3.6     | 3.6     | 3.6     | 3.6     | 3.6     |
| 55°   | 3.6     | 3.6     | 3.6     | 3.6     | 3.6     |
| 57.5° | 3.6     | 3.6     | 1.8     | 3.6     | 1.8     |
| 60°   | 1.8     | 1.8     | 1.8     | 1.8     | 1.8     |
| 62.5° | 1.8     | 1.8     | 1.8     | 1.8     | 1.8     |
| 65°   | 1.8     | 1.8     | 1.8     | 1.8     | 1.8     |
| 67.5° | 1.8     | 1.8     | 1.8     | 1.8     | 1.8     |
| 70°   | 1.8     | 1.8     | 1.8     | 1.8     | 1.8     |
| 72.5° | 1.8     | 1.8     | 1.8     | 1.8     | 1.8     |
| 75°   | 0.0     | 0.0     | 0.0     | 0.0     | 1.8     |
| 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)