

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: P1317378

Luminaire Tested: P3SQAS20R209830D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317378  
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: P3SQAS20R209830D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

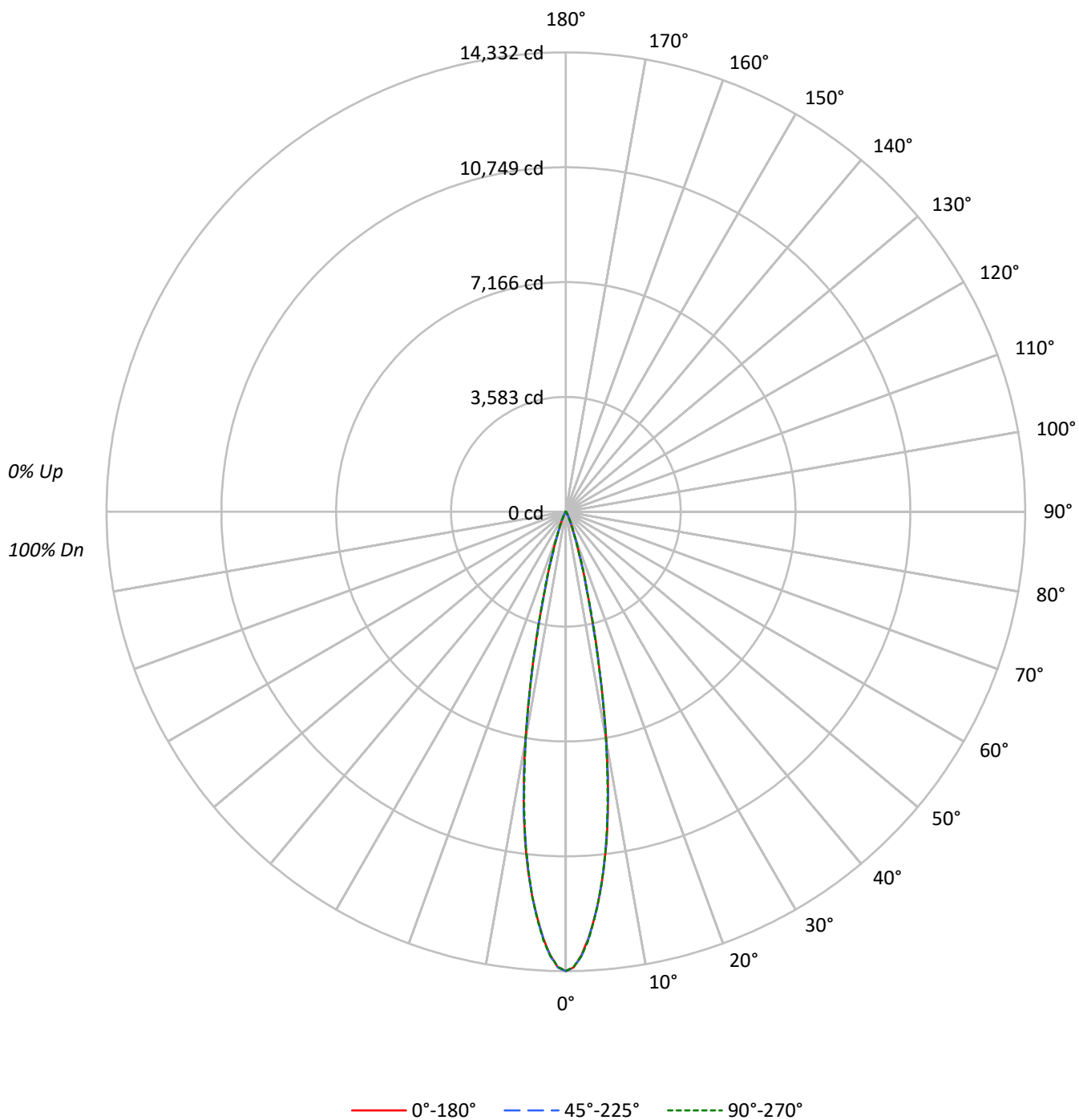
Lumens per Lamp: N/A  
Luminaire Lumens: 1975.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1317378

CATALOG NUMBER: P3SQAS20R209830D010 E3SQCD1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1317378

CATALOG NUMBER: P3SQAS20R209830D010 E3SQCD1MW

**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°  | 2468260 | 2468260 | 2468260 |
| 5°  | 2080358 | 2081153 | 2080098 |
| 10° | 1267736 | 1261843 | 1264781 |
| 15° | 446547  | 448455  | 462345  |
| 20° | 140316  | 144238  | 141140  |
| 25° | 52561   | 57502   | 54006   |
| 30° | 20364   | 28875   | 21279   |
| 35° | 7716    | 12846   | 8347    |
| 40° | 4114    | 5486    | 4114    |
| 45° | 1486    | 2606    | 1851    |
| 50° | 831     | 1232    | 831     |
| 55° | 931     | 931     | 931     |
| 60° | 517     | 517     | 517     |
| 65° | 611     | 611     | 611     |
| 70° | 755     | 755     | 755     |
| 75° | 0       | 0       | 998     |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2606 cd/sqm

TEST NUMBER: P1317378

CATALOG NUMBER: P3SQAS20R209830D010 E3SQCD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 994.9  | 50.4      |
| 10°-20°   | 780.1  | 39.5      |
| 20°-30°   | 153.2  | 7.8       |
| 30°-40°   | 34.4   | 1.7       |
| 40°-50°   | 7.8    | 0.4       |
| 50°-60°   | 2.5    | 0.1       |
| 60°-70°   | 1.5    | 0.1       |
| 70°-80°   | 0.6    | 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°    | 1928.2 | 97.6      |
| 0°-40°    | 1962.5 | 99.4      |
| 0°-60°    | 1972.9 | 99.9      |
| 0°-90°    | 1975.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1975.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 14332 | 14332 | 14332 | 14332 | 14332 |      |
| 5°  | 12034 | 12044 | 12038 | 12079 | 12032 | 997  |
| 15° | 2504  | 2515  | 2515  | 2570  | 2593  | 778  |
| 25° | 277   | 295   | 303   | 298   | 284   | 146  |
| 35° | 37    | 44    | 61    | 44    | 40    | 27   |
| 45° | 6     | 9     | 11    | 9     | 8     | 6    |
| 55° | 3     | 3     | 3     | 3     | 3     | 3    |
| 65° | 2     | 2     | 2     | 2     | 2     | 1    |
| 75° | 0     | 0     | 0     | 0     | 2     | 1    |
| 85° | 0     | 0     | 0     | 0     | 0     | 0    |
| 90° | 0     | 0     | 0     | 0     | 0     |      |

TEST NUMBER: P1317378

CATALOG NUMBER: P3SQAS20R209830D010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 14331.8 | 14331.8 | 14331.8 | 14331.8 | 14331.8 |
| 1°    | 14215.6 | 14185.1 | 14220.2 | 14192.7 | 14198.8 |
| 2°    | 13847.4 | 13830.5 | 13876.4 | 13847.4 | 13862.6 |
| 3°    | 13335.5 | 13314.1 | 13347.7 | 13349.2 | 13392.0 |
| 4°    | 12724.2 | 12683.0 | 12733.4 | 12734.9 | 12742.6 |
| 5°    | 12033.5 | 12044.2 | 12038.1 | 12079.4 | 12032.0 |
| 6°    | 11257.3 | 11292.4 | 11246.6 | 11269.5 | 11203.8 |
| 7°    | 10389.3 | 10345.0 | 10322.1 | 10329.7 | 10375.6 |
| 8°    | 9431.2  | 9400.7  | 9434.3  | 9386.9  | 9354.8  |
| 9°    | 8366.2  | 8312.7  | 8349.4  | 8303.5  | 8257.7  |
| 10°   | 7249.2  | 7224.7  | 7215.5  | 7163.6  | 7232.3  |
| 11°   | 6129.1  | 6055.7  | 6092.4  | 6066.4  | 6141.3  |
| 12°   | 5080.8  | 5086.9  | 5015.1  | 5038.0  | 5047.2  |
| 13°   | 4135.0  | 4037.2  | 4049.4  | 4112.0  | 4122.7  |
| 14°   | 3207.4  | 3221.2  | 3225.8  | 3270.1  | 3296.0  |
| 15°   | 2504.5  | 2515.2  | 2515.2  | 2570.2  | 2593.1  |
| 17.5° | 1343.2  | 1343.2  | 1372.2  | 1378.3  | 1381.4  |
| 20°   | 765.6   | 770.1   | 787.0   | 785.4   | 770.1   |
| 22.5° | 458.4   | 467.6   | 476.8   | 467.6   | 458.4   |
| 25°   | 276.6   | 294.9   | 302.6   | 298.0   | 284.2   |
| 27.5° | 165.0   | 184.9   | 206.3   | 189.5   | 163.5   |
| 30°   | 102.4   | 113.1   | 145.2   | 116.1   | 107.0   |
| 32.5° | 56.5    | 73.3    | 99.3    | 76.4    | 58.1    |
| 35°   | 36.7    | 44.3    | 61.1    | 44.3    | 39.7    |
| 37.5° | 26.0    | 30.6    | 38.2    | 32.1    | 27.5    |
| 40°   | 18.3    | 21.4    | 24.4    | 22.9    | 18.3    |
| 42.5° | 12.2    | 15.3    | 16.8    | 15.3    | 12.2    |
| 45°   | 6.1     | 9.2     | 10.7    | 9.2     | 7.6     |
| 47.5° | 3.1     | 4.6     | 7.6     | 4.6     | 3.1     |
| 50°   | 3.1     | 3.1     | 4.6     | 3.1     | 3.1     |
| 52.5° | 3.1     | 3.1     | 3.1     | 3.1     | 3.1     |
| 55°   | 3.1     | 3.1     | 3.1     | 3.1     | 3.1     |
| 57.5° | 3.1     | 3.1     | 1.5     | 3.1     | 1.5     |
| 60°   | 1.5     | 1.5     | 1.5     | 1.5     | 1.5     |
| 62.5° | 1.5     | 1.5     | 1.5     | 1.5     | 1.5     |
| 65°   | 1.5     | 1.5     | 1.5     | 1.5     | 1.5     |
| 67.5° | 1.5     | 1.5     | 1.5     | 1.5     | 1.5     |
| 70°   | 1.5     | 1.5     | 1.5     | 1.5     | 1.5     |
| 72.5° | 1.5     | 1.5     | 1.5     | 1.5     | 1.5     |
| 75°   | 0.0     | 0.0     | 0.0     | 0.0     | 1.5     |
| 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     |



TEST NUMBER: P1317378

CATALOG NUMBER: P3SQAS20R209830D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)