

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: P1314654

Luminaire Tested: P3SQAS20R209735D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314654  
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: P3SQAS20R209735D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

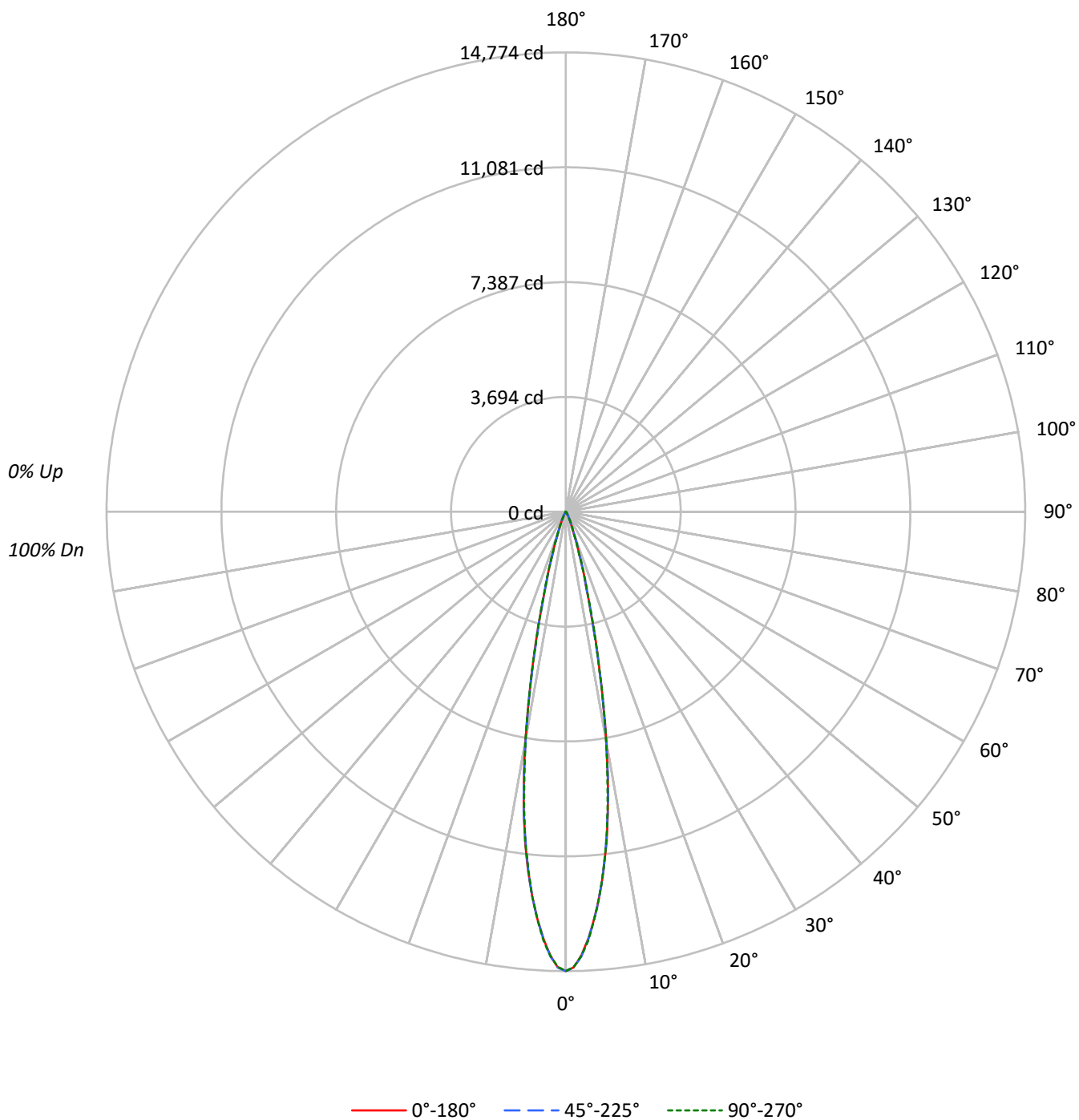
Lumens per Lamp: N/A  
Luminaire Lumens: 2036.1 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1314654

CATALOG NUMBER: P3SQAS20R209735D010 E3SQCD1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1314654

CATALOG NUMBER: P3SQAS20R209735D010 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  | 85  | 84  |  | 87  |
| 10  | 94  | 88  | 85  | 83  | 93  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2544486 | 2544486 | 2544486 |
| 5°  | 2144617 | 2145430 | 2144341 |
| 10° | 1306892 | 1300823 | 1303849 |
| 15° | 460348  | 462309  | 476626  |
| 20° | 144641  | 148691  | 145502  |
| 25° | 54177   | 59269   | 55678   |
| 30° | 20980   | 29770   | 21935   |
| 35° | 7947    | 13245   | 8620    |
| 40° | 4249    | 5665    | 4249    |
| 45° | 1534    | 2679    | 1924    |
| 50° | 857     | 1259    | 857     |
| 55° | 961     | 961     | 961     |
| 60° | 551     | 551     | 551     |
| 65° | 652     | 652     | 652     |
| 70° | 806     | 806     | 806     |
| 75° | 0       | 0       | 1065    |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2679 cd/sqm

TEST NUMBER: P1314654

CATALOG NUMBER: P3SQAS20R209735D010 E3SQCD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1025.6 | 50.4      |
| 10°-20°   | 804.2  | 39.5      |
| 20°-30°   | 157.9  | 7.8       |
| 30°-40°   | 35.4   | 1.7       |
| 40°-50°   | 8.1    | 0.4       |
| 50°-60°   | 2.6    | 0.1       |
| 60°-70°   | 1.6    | 0.1       |
| 70°-80°   | 0.7    | 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°    | 1987.7 | 97.6      |
| 0°-40°    | 2023.2 | 99.4      |
| 0°-60°    | 2033.8 | 99.9      |
| 0°-90°    | 2036.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2036.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 14774 | 14774 | 14774 | 14774 | 14774 |      |
| 5°  | 12405 | 12416 | 12410 | 12452 | 12404 | 1028 |
| 15° | 2582  | 2593  | 2593  | 2650  | 2673  | 803  |
| 25° | 285   | 304   | 312   | 307   | 293   | 150  |
| 35° | 38    | 46    | 63    | 46    | 41    | 28   |
| 45° | 6     | 10    | 11    | 10    | 8     | 6    |
| 55° | 3     | 3     | 3     | 3     | 3     | 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     |      |

TEST NUMBER: P1314654

CATALOG NUMBER: P3SQAS20R209735D010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 14774.4 | 14774.4 | 14774.4 | 14774.4 | 14774.4 |
| 1°    | 14654.7 | 14623.2 | 14659.4 | 14631.1 | 14637.4 |
| 2°    | 14275.0 | 14257.7 | 14305.0 | 14275.0 | 14290.8 |
| 3°    | 13747.3 | 13725.3 | 13759.9 | 13761.5 | 13805.6 |
| 4°    | 13117.2 | 13074.7 | 13126.7 | 13128.3 | 13136.1 |
| 5°    | 12405.2 | 12416.2 | 12409.9 | 12452.5 | 12403.6 |
| 6°    | 11605.0 | 11641.2 | 11593.9 | 11617.6 | 11549.8 |
| 7°    | 10710.2 | 10664.5 | 10640.9 | 10648.8 | 10696.0 |
| 8°    | 9722.5  | 9691.0  | 9725.7  | 9676.8  | 9643.8  |
| 9°    | 8624.6  | 8569.4  | 8607.2  | 8560.0  | 8512.7  |
| 10°   | 7473.1  | 7447.9  | 7438.4  | 7384.8  | 7455.7  |
| 11°   | 6318.4  | 6242.8  | 6280.6  | 6253.8  | 6331.0  |
| 12°   | 5237.8  | 5244.1  | 5170.0  | 5193.6  | 5203.1  |
| 13°   | 4262.7  | 4161.8  | 4174.5  | 4239.0  | 4250.1  |
| 14°   | 3306.5  | 3320.7  | 3325.4  | 3371.1  | 3397.8  |
| 15°   | 2581.9  | 2592.9  | 2592.9  | 2649.6  | 2673.2  |
| 17.5° | 1384.7  | 1384.7  | 1414.6  | 1420.9  | 1424.0  |
| 20°   | 789.2   | 793.9   | 811.3   | 809.7   | 793.9   |
| 22.5° | 472.6   | 482.0   | 491.5   | 482.0   | 472.6   |
| 25°   | 285.1   | 304.0   | 311.9   | 307.2   | 293.0   |
| 27.5° | 170.1   | 190.6   | 212.7   | 195.3   | 168.6   |
| 30°   | 105.5   | 116.6   | 149.7   | 119.7   | 110.3   |
| 32.5° | 58.3    | 75.6    | 102.4   | 78.8    | 59.9    |
| 35°   | 37.8    | 45.7    | 63.0    | 45.7    | 41.0    |
| 37.5° | 26.8    | 31.5    | 39.4    | 33.1    | 28.4    |
| 40°   | 18.9    | 22.1    | 25.2    | 23.6    | 18.9    |
| 42.5° | 12.6    | 15.8    | 17.3    | 15.8    | 12.6    |
| 45°   | 6.3     | 9.5     | 11.0    | 9.5     | 7.9     |
| 47.5° | 3.2     | 4.7     | 7.9     | 4.7     | 3.2     |
| 50°   | 3.2     | 3.2     | 4.7     | 3.2     | 3.2     |
| 52.5° | 3.2     | 3.2     | 3.2     | 3.2     | 3.2     |
| 55°   | 3.2     | 3.2     | 3.2     | 3.2     | 3.2     |
| 57.5° | 3.2     | 3.2     | 1.6     | 3.2     | 1.6     |
| 60°   | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 62.5° | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 65°   | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 67.5° | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 70°   | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 72.5° | 1.6     | 1.6     | 1.6     | 1.6     | 1.6     |
| 75°   | 0.0     | 0.0     | 0.0     | 0.0     | 1.6     |
| 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: P1314654

CATALOG NUMBER: P3SQAS20R209735D010 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)