

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: P1315631

Luminaire Tested: P3SQAS20R209740D010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315631  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R209740D010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

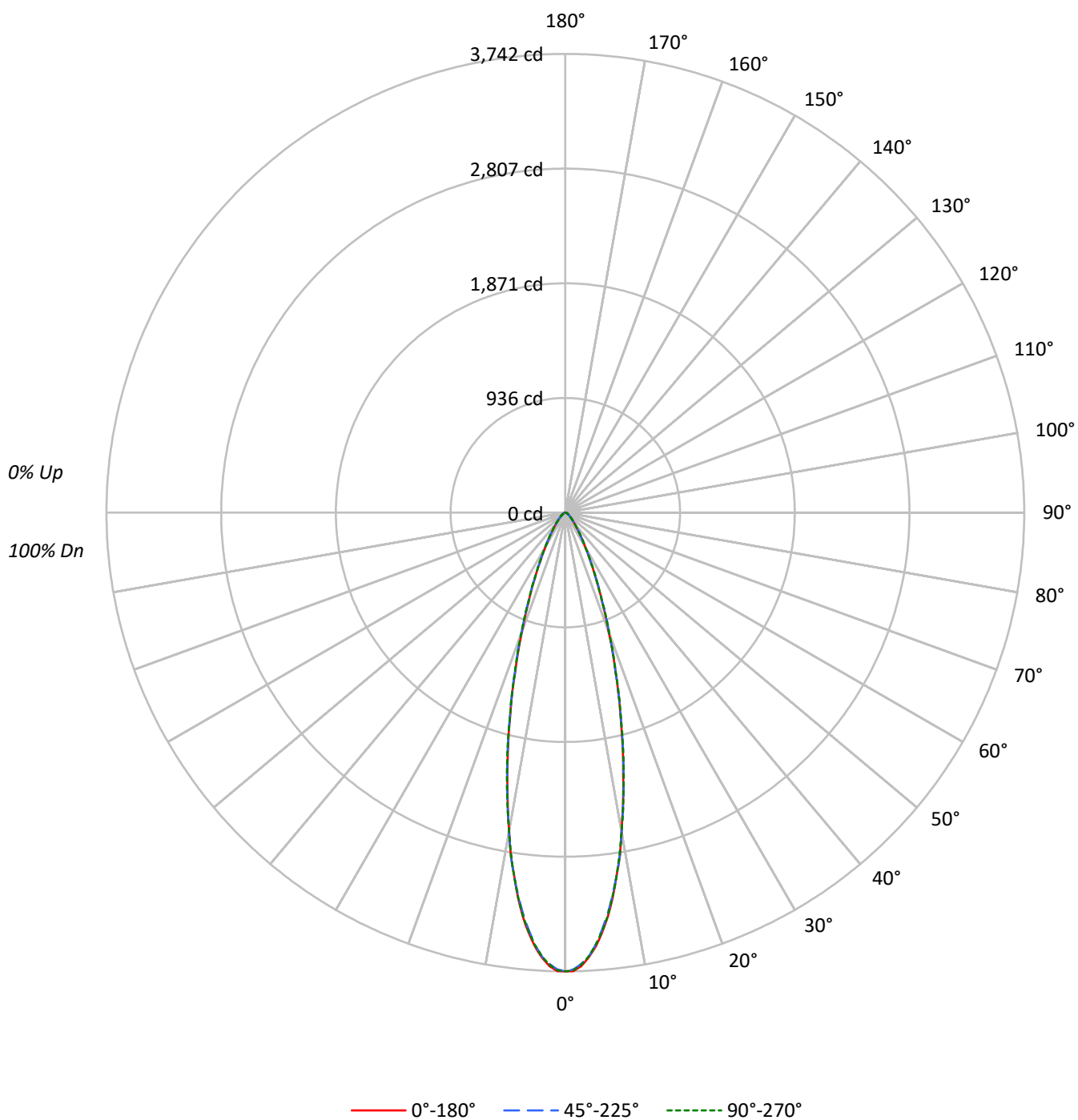
Lumens per Lamp: N/A  
Luminaire Lumens: 1315.0 lumens  
Efficiency: N/A  
Efficacy: 45.7 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  |  | 96  | 94  | 92  |  | 94  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 84  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 86  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 6   | 92  | 84  | 79  | 75  | 90  | 83  | 78  | 75  | 82  | 77  | 74  |  | 80  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 70  | 67  |  | 73  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 62  | 78  | 70  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 644440 | 644440 | 644440 |
| 5°  | 594536 | 591130 | 593118 |
| 10° | 461367 | 461944 | 461944 |
| 15° | 311843 | 313287 | 313287 |
| 20° | 189379 | 191779 | 192678 |
| 25° | 111090 | 112648 | 112344 |
| 30° | 64810  | 66103  | 66441  |
| 35° | 39589  | 40619  | 40619  |
| 40° | 25764  | 26147  | 26506  |
| 45° | 17950  | 18340  | 18754  |
| 50° | 13155  | 13611  | 13611  |
| 55° | 10329  | 10809  | 10809  |
| 60° | 9024   | 9024   | 9576   |
| 65° | 8028   | 8028   | 8680   |
| 70° | 7402   | 7402   | 7402   |
| 75° | 6521   | 6521   | 6521   |
| 80° | 4860   | 4860   | 6546   |
| 85° | 3162   | 3162   | 6521   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 18754 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 301.7  | 22.9      |
| 10°-20°   | 483.2  | 36.7      |
| 20°-30°   | 279.8  | 21.3      |
| 30°-40°   | 125.5  | 9.5       |
| 40°-50°   | 59.5   | 4.5       |
| 50°-60°   | 32.6   | 2.5       |
| 60°-70°   | 19.8   | 1.5       |
| 70°-80°   | 10.6   | 0.8       |
| 80°-90°   | 2.3    | 0.2       |
| 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°    | 1064.8 | 81.0      |
| 0°-40°    | 1190.2 | 90.5      |
| 0°-60°    | 1282.3 | 97.5      |
| 0°-90°    | 1315.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1315.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3742 | 3742  | 3742 | 3742  | 3742 |      |
| 5°  | 3439 | 3428  | 3419 | 3426  | 3431 | 303  |
| 15° | 1749 | 1749  | 1757 | 1749  | 1757 | 482  |
| 25° | 585  | 585   | 593  | 588   | 591  | 277  |
| 35° | 188  | 190   | 193  | 195   | 193  | 123  |
| 45° | 74   | 74    | 75   | 75    | 77   | 58   |
| 55° | 34   | 34    | 36   | 36    | 36   | 32   |
| 65° | 20   | 20    | 20   | 20    | 21   | 20   |
| 75° | 10   | 10    | 10   | 10    | 10   | 10   |
| 85° | 2    | 2     | 2    | 2     | 3    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3741.9 | 3741.9 | 3741.9 | 3741.9 | 3741.9 |
| 1°    | 3740.3 | 3730.5 | 3727.2 | 3723.9 | 3733.7 |
| 2°    | 3702.6 | 3691.2 | 3684.6 | 3687.9 | 3689.5 |
| 3°    | 3635.5 | 3628.9 | 3628.9 | 3624.0 | 3627.3 |
| 4°    | 3548.7 | 3535.6 | 3535.6 | 3537.2 | 3537.2 |
| 5°    | 3439.0 | 3427.5 | 3419.3 | 3425.9 | 3430.8 |
| 6°    | 3316.1 | 3301.4 | 3294.9 | 3296.5 | 3308.0 |
| 7°    | 3165.5 | 3145.8 | 3149.1 | 3157.3 | 3157.3 |
| 8°    | 2995.2 | 2993.5 | 2996.8 | 2993.5 | 2996.8 |
| 9°    | 2838.0 | 2815.0 | 2834.7 | 2818.3 | 2826.5 |
| 10°   | 2638.2 | 2636.5 | 2641.5 | 2646.4 | 2641.5 |
| 12.5° | 2182.9 | 2191.1 | 2194.4 | 2187.8 | 2202.6 |
| 15°   | 1749.0 | 1749.0 | 1757.1 | 1749.0 | 1757.1 |
| 17.5° | 1360.8 | 1359.2 | 1365.8 | 1359.2 | 1369.0 |
| 20°   | 1033.3 | 1044.8 | 1046.4 | 1046.4 | 1051.3 |
| 22.5° | 779.5  | 779.5  | 786.1  | 787.7  | 784.4  |
| 25°   | 584.6  | 584.6  | 592.8  | 587.9  | 591.2  |
| 27.5° | 432.3  | 435.6  | 442.2  | 445.4  | 445.4  |
| 30°   | 325.9  | 327.5  | 332.4  | 334.1  | 334.1  |
| 32.5° | 245.6  | 248.9  | 252.2  | 253.8  | 255.5  |
| 35°   | 188.3  | 190.0  | 193.2  | 194.9  | 193.2  |
| 37.5° | 144.1  | 145.7  | 149.0  | 150.7  | 150.7  |
| 40°   | 114.6  | 114.6  | 116.3  | 117.9  | 117.9  |
| 42.5° | 90.1   | 91.7   | 91.7   | 93.3   | 93.3   |
| 45°   | 73.7   | 73.7   | 75.3   | 75.3   | 77.0   |
| 47.5° | 59.0   | 59.0   | 60.6   | 62.2   | 62.2   |
| 50°   | 49.1   | 49.1   | 50.8   | 50.8   | 50.8   |
| 52.5° | 40.9   | 40.9   | 42.6   | 42.6   | 42.6   |
| 55°   | 34.4   | 34.4   | 36.0   | 36.0   | 36.0   |
| 57.5° | 29.5   | 29.5   | 31.1   | 31.1   | 31.1   |
| 60°   | 26.2   | 26.2   | 26.2   | 26.2   | 27.8   |
| 62.5° | 22.9   | 22.9   | 22.9   | 22.9   | 22.9   |
| 65°   | 19.7   | 19.7   | 19.7   | 19.7   | 21.3   |
| 67.5° | 16.4   | 16.4   | 16.4   | 16.4   | 18.0   |
| 70°   | 14.7   | 14.7   | 14.7   | 14.7   | 14.7   |
| 72.5° | 11.5   | 11.5   | 11.5   | 13.1   | 13.1   |
| 75°   | 9.8    | 9.8    | 9.8    | 9.8    | 9.8    |
| 77.5° | 8.2    | 8.2    | 8.2    | 8.2    | 8.2    |
| 80°   | 4.9    | 4.9    | 4.9    | 6.6    | 6.6    |
| 82.5° | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    |
| 85°   | 1.6    | 1.6    | 1.6    | 1.6    | 3.3    |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.6    | 1.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)