

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: P1313564

Luminaire Tested: P3SQAS17R309730DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313564  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R309730DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

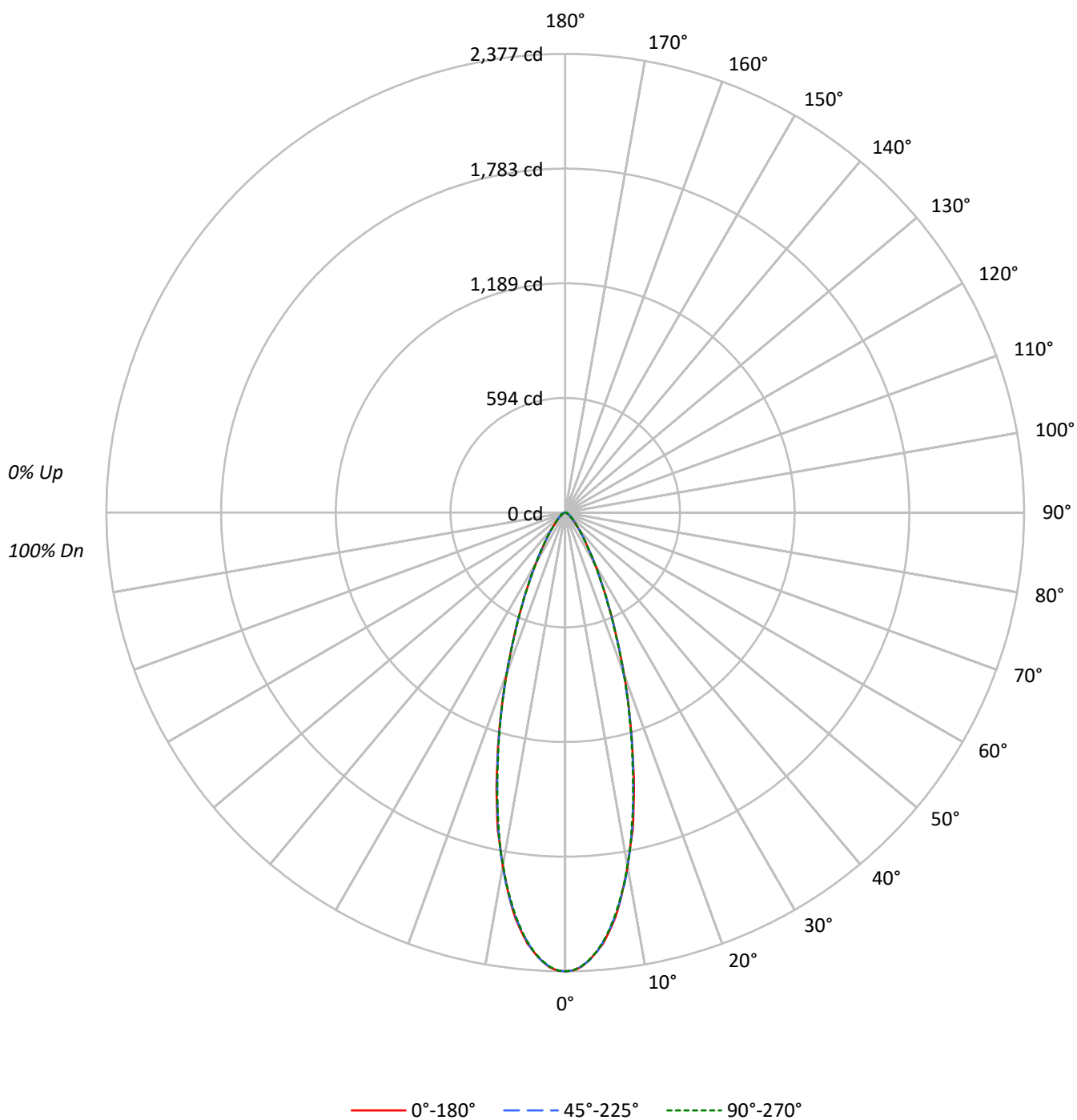
Lumens per Lamp: N/A  
Luminaire Lumens: 1044.0 lumens  
Efficiency: N/A  
Efficacy: 49.2 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 | 101 | 100 | 98  | 98  | 97  | 96  | 94  |    |    |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  | 96  | 93  | 91  | 93  | 91  | 90  | 88  |    |    |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  | 91  | 88  | 85  | 89  | 86  | 84  | 83  |    |    |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 84  | 81  | 87  | 83  | 80  | 85  | 82  | 79  | 78  |    |    |
| 5   | 95  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  | 82  | 79  | 76  | 81  | 78  | 75  | 74  |    |    |
| 6   | 90  | 82  | 77  | 73  | 89  | 82  | 76  | 73  | 80  | 76  | 72  | 79  | 75  | 72  | 77  | 74  | 71  | 70  |    |    |
| 7   | 87  | 78  | 73  | 69  | 86  | 78  | 72  | 69  | 76  | 72  | 68  | 75  | 71  | 68  | 74  | 71  | 68  | 66  |    |    |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 65  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 63  |    |    |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 62  | 68  | 65  | 62  | 61  |    |    |
| 10  | 77  | 68  | 63  | 60  | 76  | 68  | 63  | 60  | 67  | 63  | 59  | 66  | 62  | 59  | 66  | 62  | 59  | 58  |    |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 409408 | 409408 | 409408 |
| 5°  | 387598 | 386613 | 386405 |
| 10° | 325626 | 325626 | 324419 |
| 15° | 242610 | 241986 | 240560 |
| 20° | 162382 | 161521 | 161741 |
| 25° | 100087 | 99878  | 100315 |
| 30° | 60177  | 60177  | 60415  |
| 35° | 36919  | 36919  | 37150  |
| 40° | 23381  | 23381  | 23898  |
| 45° | 16026  | 16318  | 16318  |
| 50° | 11762  | 11762  | 11762  |
| 55° | 9008   | 9368   | 9368   |
| 60° | 7543   | 7543   | 7957   |
| 65° | 6602   | 6602   | 6602   |
| 70° | 5841   | 6395   | 6395   |
| 75° | 5390   | 5390   | 5390   |
| 80° | 4562   | 4562   | 4562   |
| 85° | 2371   | 2371   | 2371   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 16318 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 201.5  | 19.3      |
| 10°-20°   | 372.1  | 35.6      |
| 20°-30°   | 247.4  | 23.7      |
| 30°-40°   | 114.3  | 11.0      |
| 40°-50°   | 53.1   | 5.1       |
| 50°-60°   | 28.4   | 2.7       |
| 60°-70°   | 16.6   | 1.6       |
| 70°-80°   | 8.8    | 0.8       |
| 80°-90°   | 1.9    | 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°    | 821.0  | 78.6      |
| 0°-40°    | 935.3  | 89.6      |
| 0°-60°    | 1016.8 | 97.4      |
| 0°-90°    | 1044.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1044.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2377 | 2377  | 2377 | 2377  | 2377 |      |
| 5°  | 2242 | 2237  | 2236 | 2242  | 2235 | 202  |
| 15° | 1361 | 1365  | 1357 | 1357  | 1349 | 373  |
| 25° | 527  | 526   | 526  | 526   | 528  | 248  |
| 35° | 176  | 174   | 176  | 177   | 177  | 114  |
| 45° | 66   | 66    | 67   | 67    | 67   | 53   |
| 55° | 30   | 31    | 31   | 31    | 31   | 28   |
| 65° | 16   | 16    | 16   | 16    | 16   | 16   |
| 75° | 8    | 8     | 8    | 8     | 8    | 9    |
| 85° | 1    | 1     | 1    | 1     | 1    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2377.2 | 2377.2 | 2377.2 | 2377.2 | 2377.2 |
| 1°    | 2372.6 | 2370.3 | 2372.6 | 2376.0 | 2371.4 |
| 2°    | 2356.4 | 2354.1 | 2354.1 | 2358.7 | 2354.1 |
| 3°    | 2325.2 | 2327.5 | 2326.4 | 2331.0 | 2322.9 |
| 4°    | 2285.9 | 2284.8 | 2289.4 | 2291.7 | 2284.8 |
| 5°    | 2242.0 | 2237.4 | 2236.3 | 2242.0 | 2235.1 |
| 6°    | 2182.0 | 2178.5 | 2176.2 | 2183.1 | 2173.9 |
| 7°    | 2117.3 | 2115.0 | 2111.5 | 2113.8 | 2106.9 |
| 8°    | 2037.6 | 2036.4 | 2034.1 | 2036.4 | 2028.4 |
| 9°    | 1948.7 | 1948.7 | 1953.3 | 1952.1 | 1947.5 |
| 10°   | 1862.0 | 1864.3 | 1862.0 | 1864.3 | 1855.1 |
| 11°   | 1765.0 | 1765.0 | 1767.3 | 1766.1 | 1767.3 |
| 12°   | 1680.7 | 1671.4 | 1669.1 | 1666.8 | 1659.9 |
| 13°   | 1572.1 | 1565.2 | 1562.8 | 1565.2 | 1561.7 |
| 14°   | 1472.7 | 1468.1 | 1456.6 | 1458.9 | 1454.3 |
| 15°   | 1360.7 | 1365.3 | 1357.2 | 1357.2 | 1349.2 |
| 17.5° | 1112.4 | 1107.7 | 1110.0 | 1111.2 | 1107.7 |
| 20°   | 886.0  | 883.6  | 881.3  | 879.0  | 882.5  |
| 22.5° | 688.4  | 689.6  | 687.3  | 685.0  | 682.7  |
| 25°   | 526.7  | 525.6  | 525.6  | 525.6  | 527.9  |
| 27.5° | 399.7  | 399.7  | 399.7  | 400.8  | 400.8  |
| 30°   | 302.6  | 300.3  | 302.6  | 303.8  | 303.8  |
| 32.5° | 226.4  | 228.7  | 229.9  | 229.9  | 229.9  |
| 35°   | 175.6  | 174.4  | 175.6  | 176.7  | 176.7  |
| 37.5° | 134.0  | 134.0  | 135.1  | 135.1  | 136.3  |
| 40°   | 104.0  | 104.0  | 104.0  | 105.1  | 106.3  |
| 42.5° | 82.0   | 82.0   | 83.2   | 83.2   | 84.3   |
| 45°   | 65.8   | 65.8   | 67.0   | 67.0   | 67.0   |
| 47.5° | 53.1   | 53.1   | 54.3   | 54.3   | 54.3   |
| 50°   | 43.9   | 43.9   | 43.9   | 43.9   | 43.9   |
| 52.5° | 37.0   | 35.8   | 37.0   | 37.0   | 37.0   |
| 55°   | 30.0   | 31.2   | 31.2   | 31.2   | 31.2   |
| 57.5° | 25.4   | 26.6   | 26.6   | 26.6   | 26.6   |
| 60°   | 21.9   | 21.9   | 21.9   | 23.1   | 23.1   |
| 62.5° | 18.5   | 19.6   | 19.6   | 19.6   | 19.6   |
| 65°   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   |
| 67.5° | 13.9   | 13.9   | 13.9   | 13.9   | 15.0   |
| 70°   | 11.6   | 11.6   | 12.7   | 12.7   | 12.7   |
| 72.5° | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   |
| 75°   | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    |
| 77.5° | 5.8    | 5.8    | 6.9    | 6.9    | 5.8    |
| 80°   | 4.6    | 4.6    | 4.6    | 4.6    | 4.6    |
| 82.5° | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    |
| 85°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 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)