

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: P1314694

Luminaire Tested: P3SQAS20R309735D010 E3SQPHL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314694  
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: P3SQAS20R309735D010 E3SQPHL1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

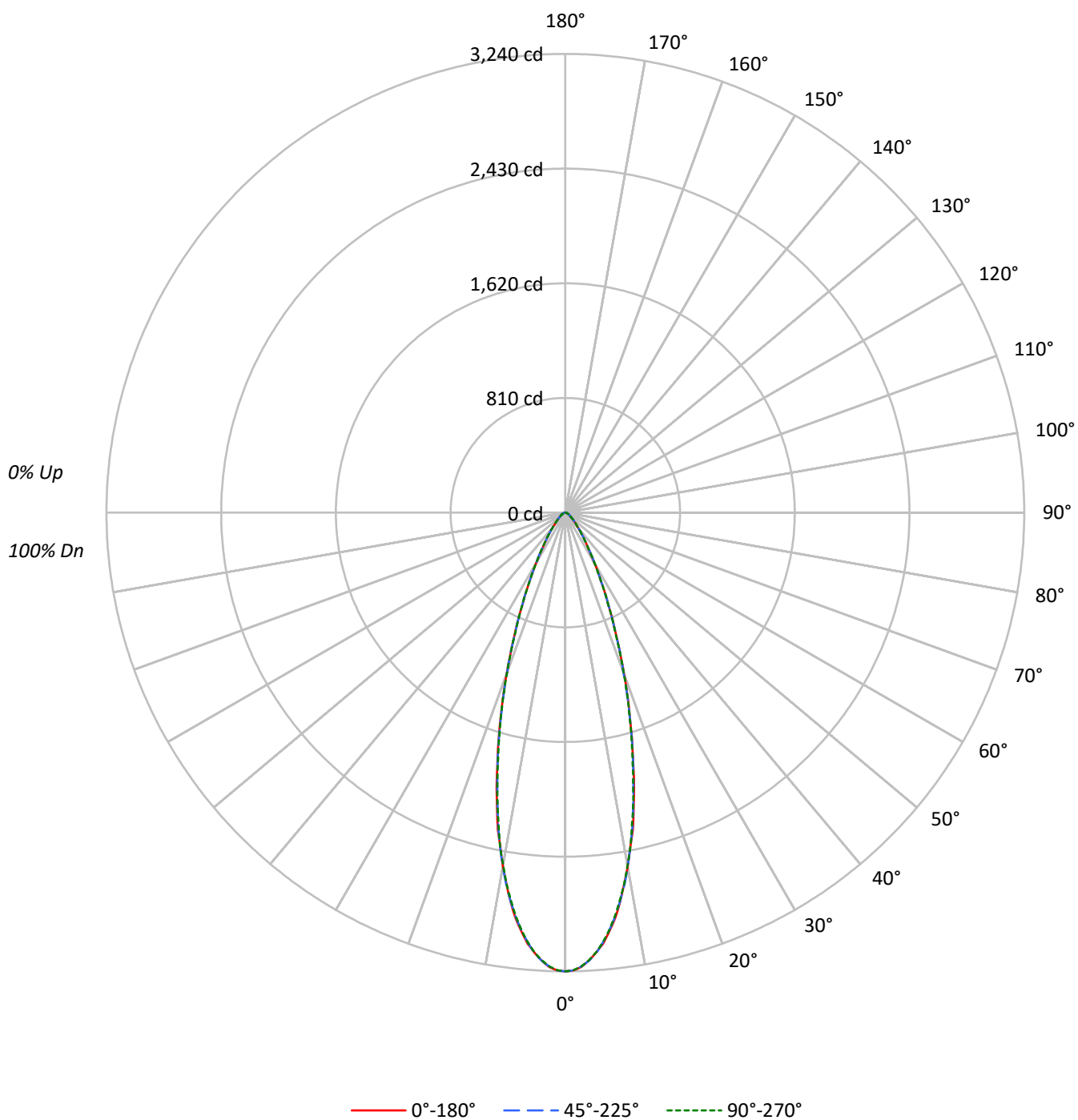
Lumens per Lamp: N/A  
Luminaire Lumens: 1423.0 lumens  
Efficiency: N/A  
Efficacy: 49.4 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 558036 | 558036 | 558036 |
| 5°  | 528323 | 526957 | 526680 |
| 10° | 443844 | 443844 | 442183 |
| 15° | 330689 | 329851 | 327872 |
| 20° | 221324 | 220169 | 220462 |
| 25° | 136420 | 136135 | 136724 |
| 30° | 82032  | 82032  | 82350  |
| 35° | 50312  | 50312  | 50648  |
| 40° | 31857  | 31857  | 32554  |
| 45° | 21847  | 22237  | 22237  |
| 50° | 16022  | 16022  | 16022  |
| 55° | 12281  | 12761  | 12761  |
| 60° | 10299  | 10299  | 10850  |
| 65° | 8965   | 8965   | 8965   |
| 70° | 7906   | 8711   | 8711   |
| 75° | 7320   | 7320   | 7320   |
| 80° | 6248   | 6248   | 6248   |
| 85° | 3162   | 3162   | 3162   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 22237 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 274.7  | 19.3      |
| 10°-20°   | 507.2  | 35.6      |
| 20°-30°   | 337.2  | 23.7      |
| 30°-40°   | 155.8  | 11.0      |
| 40°-50°   | 72.4   | 5.1       |
| 50°-60°   | 38.7   | 2.7       |
| 60°-70°   | 22.6   | 1.6       |
| 70°-80°   | 12.0   | 0.8       |
| 80°-90°   | 2.6    | 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°    | 1119.0 | 78.6      |
| 0°-40°    | 1274.9 | 89.6      |
| 0°-60°    | 1385.9 | 97.4      |
| 0°-90°    | 1423.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1423.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3240 | 3240  | 3240 | 3240  | 3240 |      |
| 5°  | 3056 | 3050  | 3048 | 3056  | 3046 | 275  |
| 15° | 1855 | 1861  | 1850 | 1850  | 1839 | 509  |
| 25° | 718  | 716   | 716  | 716   | 720  | 338  |
| 35° | 239  | 238   | 239  | 241   | 241  | 155  |
| 45° | 90   | 90    | 91   | 91    | 91   | 72   |
| 55° | 41   | 42    | 42   | 42    | 42   | 38   |
| 65° | 22   | 22    | 22   | 22    | 22   | 22   |
| 75° | 11   | 11    | 11   | 11    | 11   | 12   |
| 85° | 2    | 2     | 2    | 2     | 2    | 3    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3240.2 | 3240.2 | 3240.2 | 3240.2 | 3240.2 |
| 1°    | 3233.9 | 3230.7 | 3233.9 | 3238.6 | 3232.3 |
| 2°    | 3211.8 | 3208.7 | 3208.7 | 3215.0 | 3208.7 |
| 3°    | 3169.3 | 3172.5 | 3170.9 | 3177.2 | 3166.2 |
| 4°    | 3115.8 | 3114.2 | 3120.5 | 3123.7 | 3114.2 |
| 5°    | 3056.0 | 3049.7 | 3048.1 | 3056.0 | 3046.5 |
| 6°    | 2974.1 | 2969.4 | 2966.2 | 2975.7 | 2963.1 |
| 7°    | 2885.9 | 2882.8 | 2878.1 | 2881.2 | 2871.8 |
| 8°    | 2777.3 | 2775.7 | 2772.6 | 2775.7 | 2764.7 |
| 9°    | 2656.1 | 2656.1 | 2662.4 | 2660.8 | 2654.5 |
| 10°   | 2538.0 | 2541.1 | 2538.0 | 2541.1 | 2528.5 |
| 11°   | 2405.7 | 2405.7 | 2408.9 | 2407.3 | 2408.9 |
| 12°   | 2290.8 | 2278.2 | 2275.1 | 2271.9 | 2262.5 |
| 13°   | 2142.8 | 2133.4 | 2130.2 | 2133.4 | 2128.6 |
| 14°   | 2007.4 | 2001.1 | 1985.4 | 1988.5 | 1982.2 |
| 15°   | 1854.7 | 1861.0 | 1850.0 | 1850.0 | 1838.9 |
| 17.5° | 1516.2 | 1509.9 | 1513.0 | 1514.6 | 1509.9 |
| 20°   | 1207.6 | 1204.4 | 1201.3 | 1198.1 | 1202.9 |
| 22.5° | 938.4  | 939.9  | 936.8  | 933.6  | 930.5  |
| 25°   | 717.9  | 716.4  | 716.4  | 716.4  | 719.5  |
| 27.5° | 544.8  | 544.8  | 544.8  | 546.3  | 546.3  |
| 30°   | 412.5  | 409.4  | 412.5  | 414.1  | 414.1  |
| 32.5° | 308.6  | 311.7  | 313.3  | 313.3  | 313.3  |
| 35°   | 239.3  | 237.7  | 239.3  | 240.9  | 240.9  |
| 37.5° | 182.6  | 182.6  | 184.2  | 184.2  | 185.8  |
| 40°   | 141.7  | 141.7  | 141.7  | 143.3  | 144.8  |
| 42.5° | 111.8  | 111.8  | 113.4  | 113.4  | 114.9  |
| 45°   | 89.7   | 89.7   | 91.3   | 91.3   | 91.3   |
| 47.5° | 72.4   | 72.4   | 74.0   | 74.0   | 74.0   |
| 50°   | 59.8   | 59.8   | 59.8   | 59.8   | 59.8   |
| 52.5° | 50.4   | 48.8   | 50.4   | 50.4   | 50.4   |
| 55°   | 40.9   | 42.5   | 42.5   | 42.5   | 42.5   |
| 57.5° | 34.6   | 36.2   | 36.2   | 36.2   | 36.2   |
| 60°   | 29.9   | 29.9   | 29.9   | 31.5   | 31.5   |
| 62.5° | 25.2   | 26.8   | 26.8   | 26.8   | 26.8   |
| 65°   | 22.0   | 22.0   | 22.0   | 22.0   | 22.0   |
| 67.5° | 18.9   | 18.9   | 18.9   | 18.9   | 20.5   |
| 70°   | 15.7   | 15.7   | 17.3   | 17.3   | 17.3   |
| 72.5° | 14.2   | 14.2   | 14.2   | 14.2   | 14.2   |
| 75°   | 11.0   | 11.0   | 11.0   | 11.0   | 11.0   |
| 77.5° | 7.9    | 7.9    | 9.4    | 9.4    | 7.9    |
| 80°   | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    |
| 82.5° | 4.7    | 4.7    | 4.7    | 4.7    | 4.7    |
| 85°   | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 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)