

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: P1315359

Luminaire Tested: P3SQAS13R309740DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315359  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R309740DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

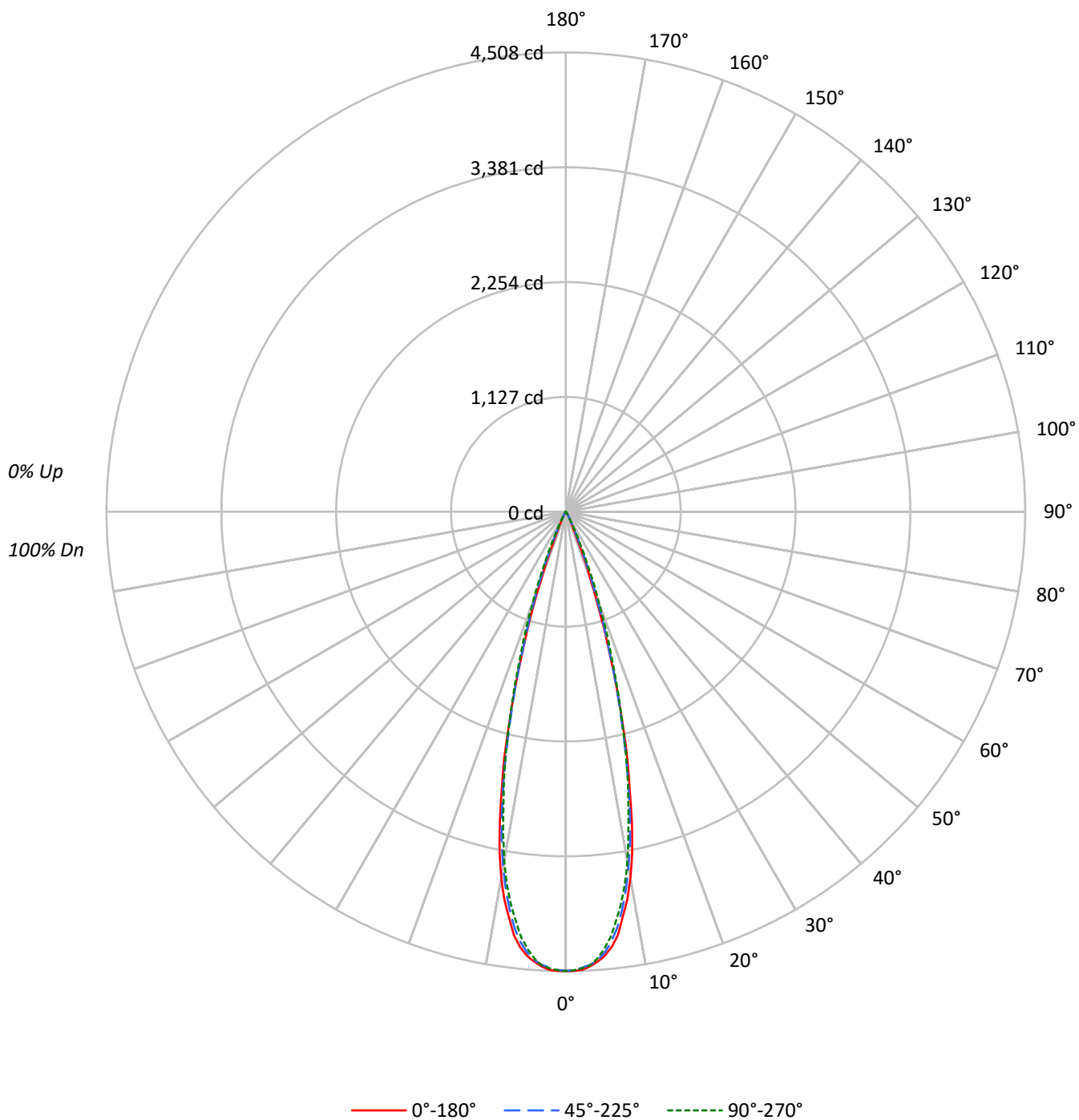
Lumens per Lamp: N/A  
Luminaire Lumens: 1092.0 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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: P1315359

CATALOG NUMBER: P3SQAS13R309740DE010 E3SQPH1MMS

### 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   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 88  | 86  | 83  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  |  | 86  | 83  | 81  |  | 86  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 84  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 776156 | 776156 | 776156 |
| 5°  | 756179 | 750976 | 744786 |
| 10° | 638153 | 618549 | 608511 |
| 15° | 384571 | 373820 | 380702 |
| 20° | 130437 | 150634 | 173745 |
| 25° | 23981  | 37568  | 44371  |
| 30° | 8233   | 9168   | 10301  |
| 35° | 2376   | 2964   | 3175   |
| 40° | 629    | 1057   | 854    |
| 45° | 219    | 219    | 219    |
| 50° | 241    | 0      | 241    |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 255 cd/sqm

TEST NUMBER: P1315359

CATALOG NUMBER: P3SQAS13R309740DE010 E3SQPH1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 389.7  | 35.7      |
| 10°-20°   | 569.5  | 52.2      |
| 20°-30°   | 120.5  | 11.0      |
| 30°-40°   | 11.1   | 1.0       |
| 40°-50°   | 1.1    | 0.1       |
| 50°-60°   | 0.1    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 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°    | 1079.8 | 98.9      |
| 0°-40°    | 1090.9 | 99.9      |
| 0°-60°    | 1092.0 | 100.0     |
| 0°-90°    | 1092.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1092.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4507 | 4507  | 4507 | 4507  | 4507 |      |
| 5°  | 4374 | 4366  | 4344 | 4331  | 4308 | 395  |
| 15° | 2157 | 2149  | 2097 | 2146  | 2135 | 569  |
| 25° | 126  | 141   | 198  | 232   | 234  | 92   |
| 35° | 11   | 14    | 14   | 17    | 15   | 9    |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    | 0    |

TEST NUMBER: P1315359

CATALOG NUMBER: P3SQAS13R309740DE010 E3SQPH1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4506.7 | 4506.7 | 4506.7 | 4506.7 | 4506.7 |
| 1°    | 4507.7 | 4503.0 | 4496.4 | 4505.8 | 4499.2 |
| 2°    | 4498.3 | 4487.0 | 4477.5 | 4487.0 | 4484.1 |
| 3°    | 4470.0 | 4460.6 | 4454.0 | 4458.7 | 4458.7 |
| 4°    | 4427.6 | 4417.3 | 4411.6 | 4412.6 | 4398.5 |
| 5°    | 4374.0 | 4365.5 | 4343.9 | 4330.7 | 4308.1 |
| 6°    | 4294.9 | 4274.2 | 4247.8 | 4226.2 | 4197.0 |
| 7°    | 4187.6 | 4155.6 | 4117.9 | 4080.3 | 4043.5 |
| 8°    | 4015.3 | 4000.2 | 3949.4 | 3924.0 | 3887.3 |
| 9°    | 3853.4 | 3816.6 | 3762.0 | 3720.6 | 3700.8 |
| 10°   | 3649.1 | 3594.5 | 3537.0 | 3504.1 | 3479.6 |
| 11°   | 3407.1 | 3351.6 | 3305.4 | 3257.4 | 3219.8 |
| 12°   | 3122.8 | 3075.7 | 3023.0 | 2991.0 | 2946.7 |
| 13°   | 2785.8 | 2779.2 | 2719.9 | 2709.5 | 2703.8 |
| 14°   | 2496.7 | 2470.4 | 2412.0 | 2428.0 | 2431.8 |
| 15°   | 2156.9 | 2149.3 | 2096.6 | 2145.6 | 2135.2 |
| 17.5° | 1351.0 | 1353.8 | 1386.8 | 1464.0 | 1488.4 |
| 20°   | 711.7  | 733.4  | 821.9  | 915.1  | 948.0  |
| 22.5° | 288.1  | 336.1  | 426.5  | 489.6  | 531.9  |
| 25°   | 126.2  | 141.2  | 197.7  | 232.5  | 233.5  |
| 27.5° | 71.6   | 72.5   | 95.1   | 98.9   | 100.7  |
| 30°   | 41.4   | 42.4   | 46.1   | 49.0   | 51.8   |
| 32.5° | 22.6   | 24.5   | 25.4   | 29.2   | 29.2   |
| 35°   | 11.3   | 14.1   | 14.1   | 16.9   | 15.1   |
| 37.5° | 6.6    | 7.5    | 8.5    | 8.5    | 7.5    |
| 40°   | 2.8    | 3.8    | 4.7    | 4.7    | 3.8    |
| 42.5° | 0.9    | 1.9    | 1.9    | 1.9    | 2.8    |
| 45°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 47.5° | 0.9    | 0.9    | 0.0    | 0.9    | 0.9    |
| 50°   | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 52.5° | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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    |



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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)