

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: P1305921

Luminaire Tested: P3SQASS13R309024DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305921  
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: P3SQASS13R309024DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

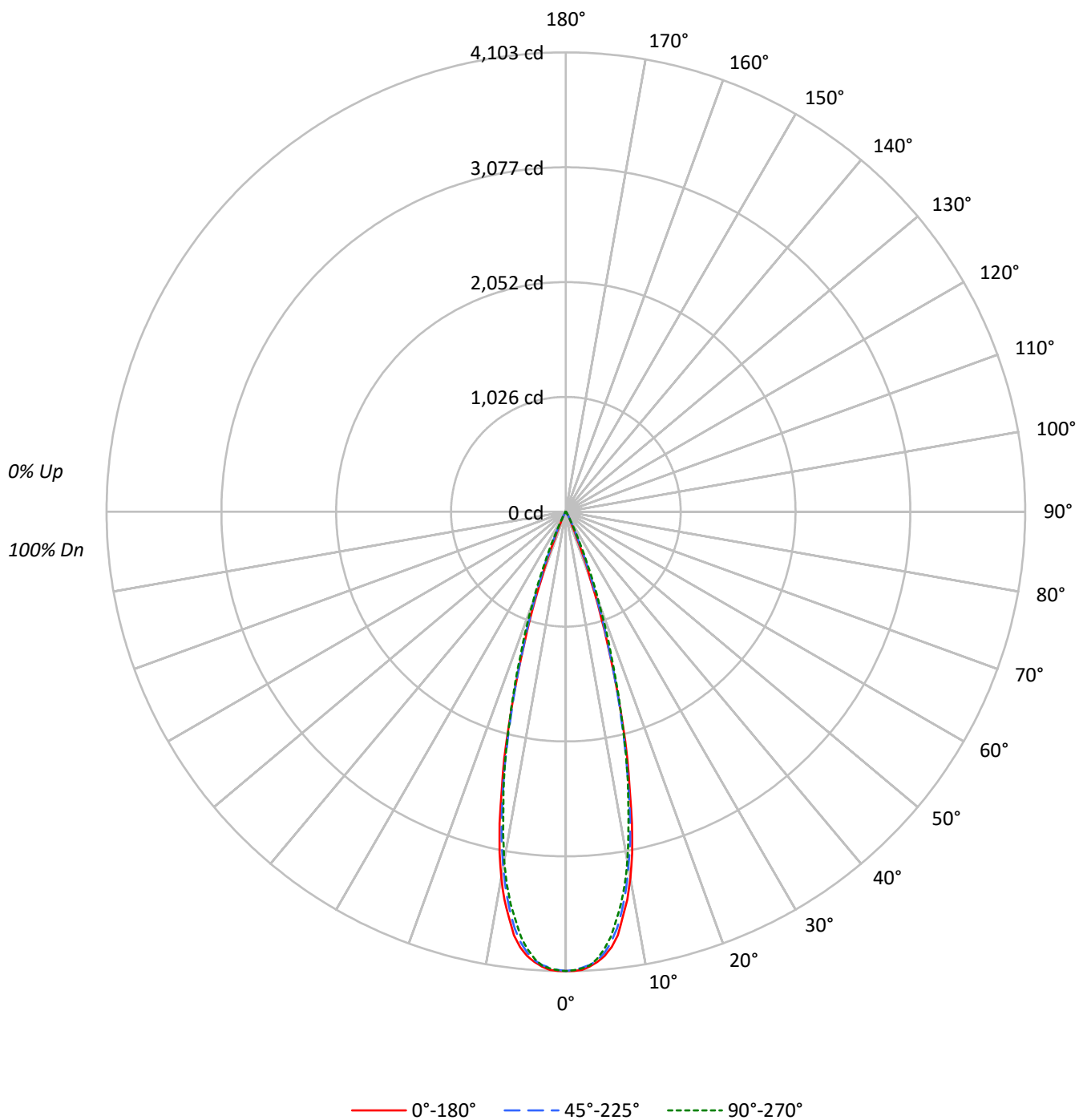
Lumens per Lamp: N/A  
Luminaire Lumens: 994.0 lumens  
Efficiency: N/A  
Efficacy: 68.1 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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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   | 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°  | 706509 | 706509 | 706509 |
| 5°  | 688306 | 683570 | 677951 |
| 10° | 580880 | 563042 | 553896 |
| 15° | 350052 | 340282 | 346540 |
| 20° | 118744 | 137108 | 158167 |
| 25° | 21815  | 34205  | 40381  |
| 30° | 7497   | 8352   | 9367   |
| 35° | 2166   | 2712   | 2880   |
| 40° | 585    | 967    | 764    |
| 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

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 354.7  | 35.7      |
| 10°-20°   | 518.4  | 52.2      |
| 20°-30°   | 109.7  | 11.0      |
| 30°-40°   | 10.1   | 1.0       |
| 40°-50°   | 1.0    | 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°    | 982.9  | 98.9      |
| 0°-40°    | 993.0  | 99.9      |
| 0°-60°    | 994.0  | 100.0     |
| 0°-90°    | 994.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 994.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4102 | 4102  | 4102 | 4102  | 4102 |      |
| 5°  | 3981 | 3974  | 3954 | 3942  | 3922 | 359  |
| 15° | 1963 | 1956  | 1908 | 1953  | 1944 | 518  |
| 25° | 115  | 128   | 180  | 212   | 212  | 84   |
| 35° | 10   | 13    | 13   | 15    | 14   | 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    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4102.3 | 4102.3 | 4102.3 | 4102.3 | 4102.3 |
| 1°    | 4103.1 | 4098.9 | 4092.9 | 4101.4 | 4095.4 |
| 2°    | 4094.6 | 4084.3 | 4075.7 | 4084.3 | 4081.7 |
| 3°    | 4068.9 | 4060.3 | 4054.3 | 4058.6 | 4058.6 |
| 4°    | 4030.3 | 4020.9 | 4015.7 | 4016.6 | 4003.7 |
| 5°    | 3981.4 | 3973.7 | 3954.0 | 3942.0 | 3921.5 |
| 6°    | 3909.5 | 3890.6 | 3866.6 | 3846.9 | 3820.3 |
| 7°    | 3811.8 | 3782.6 | 3748.4 | 3714.1 | 3680.7 |
| 8°    | 3654.9 | 3641.2 | 3595.0 | 3571.8 | 3538.4 |
| 9°    | 3507.5 | 3474.1 | 3424.4 | 3386.7 | 3368.7 |
| 10°   | 3321.6 | 3271.9 | 3219.6 | 3189.6 | 3167.3 |
| 11°   | 3101.3 | 3050.8 | 3008.8 | 2965.1 | 2930.8 |
| 12°   | 2842.5 | 2799.7 | 2751.7 | 2722.6 | 2682.3 |
| 13°   | 2535.8 | 2529.8 | 2475.8 | 2466.3 | 2461.2 |
| 14°   | 2272.7 | 2248.7 | 2195.5 | 2210.1 | 2213.5 |
| 15°   | 1963.3 | 1956.4 | 1908.5 | 1953.0 | 1943.6 |
| 17.5° | 1229.7 | 1232.3 | 1262.3 | 1332.6 | 1354.9 |
| 20°   | 647.9  | 667.6  | 748.1  | 833.0  | 863.0  |
| 22.5° | 262.2  | 305.9  | 388.2  | 445.6  | 484.2  |
| 25°   | 114.8  | 128.5  | 180.0  | 211.7  | 212.5  |
| 27.5° | 65.1   | 66.0   | 86.6   | 90.0   | 91.7   |
| 30°   | 37.7   | 38.6   | 42.0   | 44.6   | 47.1   |
| 32.5° | 20.6   | 22.3   | 23.1   | 26.6   | 26.6   |
| 35°   | 10.3   | 12.9   | 12.9   | 15.4   | 13.7   |
| 37.5° | 6.0    | 6.9    | 7.7    | 7.7    | 6.9    |
| 40°   | 2.6    | 3.4    | 4.3    | 4.3    | 3.4    |
| 42.5° | 0.9    | 1.7    | 1.7    | 1.7    | 2.6    |
| 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)