

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: P1305553

Luminaire Tested: P3SQASS05R159024DE010 E3SQPHL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305553  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS05R159024DE010 E3SQPHL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

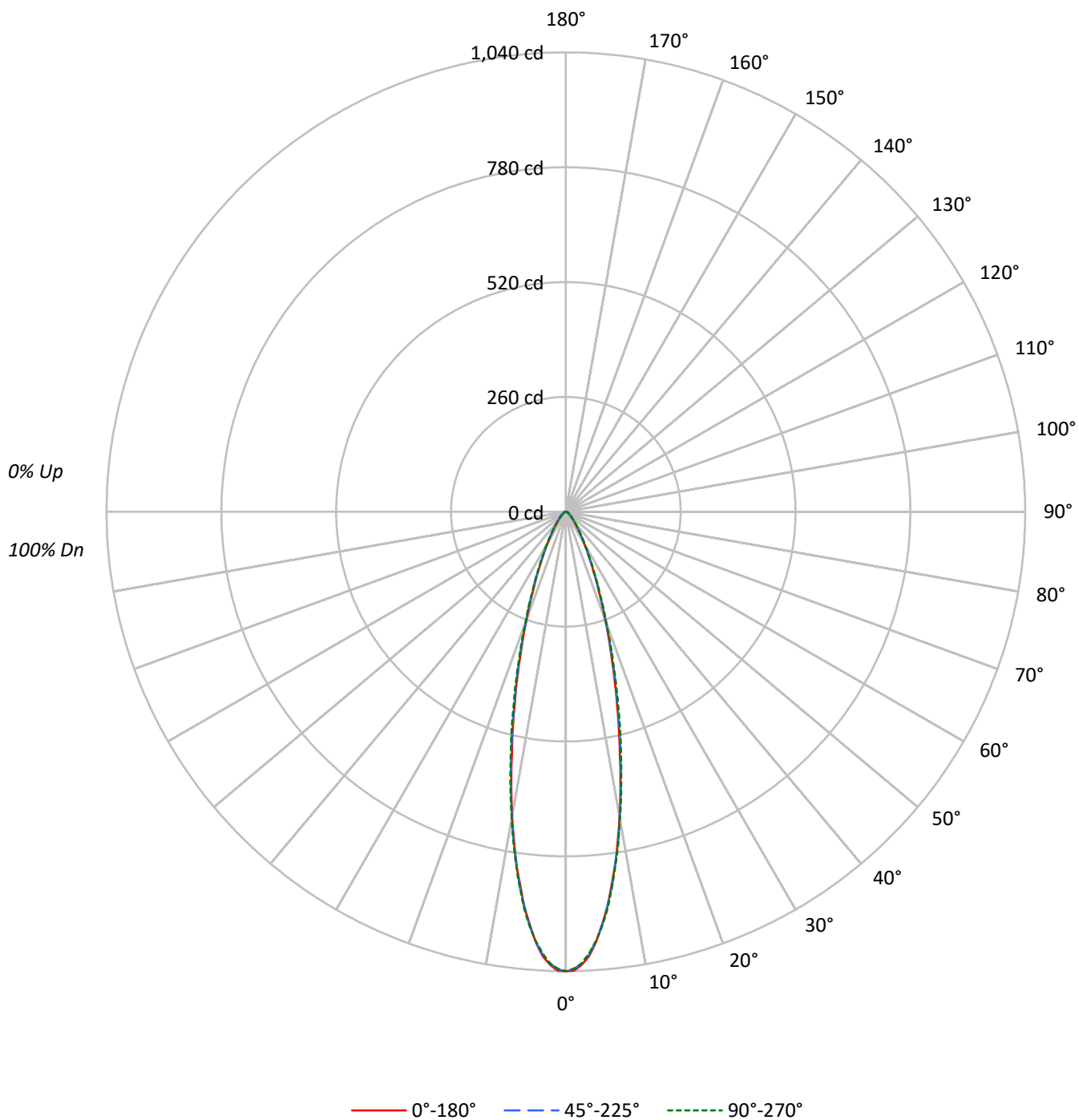
Lumens per Lamp: N/A  
Luminaire Lumens: 344.0 lumens  
Efficiency: N/A  
Efficacy: 47.8 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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  |
| 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  |  | 97  | 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  | 85  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 83  | 79  | 86  | 82  | 78  |  | 84  | 80  | 78  |  | 83  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 79  | 74  | 71  |  | 77  | 74  | 71  |  | 76  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 72  | 68  | 75  | 71  | 68  |  | 74  | 70  | 68  |  | 74  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 63  | 78  | 71  | 66  | 63  | 70  | 66  | 63  |  | 69  | 65  | 62  |  | 69  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 179146 | 179146 | 179146 |
| 5°  | 162266 | 162577 | 162802 |
| 10° | 122521 | 122818 | 123447 |
| 15° | 79467  | 80323  | 81910  |
| 20° | 47853  | 48403  | 49063  |
| 25° | 27953  | 28542  | 28960  |
| 30° | 16426  | 16963  | 17222  |
| 35° | 10113  | 10491  | 10680  |
| 40° | 6655   | 6857   | 6947   |
| 45° | 4628   | 4725   | 4847   |
| 50° | 3430   | 3563   | 3671   |
| 55° | 2792   | 2913   | 2913   |
| 60° | 2446   | 2446   | 2446   |
| 65° | 2160   | 2160   | 2160   |
| 70° | 1762   | 2014   | 2014   |
| 75° | 1797   | 1797   | 1797   |
| 80° | 1289   | 1785   | 1785   |
| 85° | 790    | 790    | 790    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4847 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 81.9   | 23.8      |
| 10°-20°   | 125.3  | 36.4      |
| 20°-30°   | 71.2   | 20.7      |
| 30°-40°   | 32.5   | 9.4       |
| 40°-50°   | 15.6   | 4.5       |
| 50°-60°   | 8.7    | 2.5       |
| 60°-70°   | 5.3    | 1.6       |
| 70°-80°   | 2.9    | 0.8       |
| 80°-90°   | 0.6    | 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°    | 278.4  | 80.9      |
| 0°-40°    | 310.9  | 90.4      |
| 0°-60°    | 335.2  | 97.4      |
| 0°-90°    | 344.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 344.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1040 | 1040  | 1040 | 1040  | 1040 |      |
| 5°  | 939  | 938   | 940  | 940   | 942  | 82   |
| 15° | 446  | 448   | 450  | 457   | 459  | 124  |
| 25° | 147  | 147   | 150  | 152   | 152  | 70   |
| 35° | 48   | 49    | 50   | 51    | 51   | 32   |
| 45° | 19   | 19    | 19   | 20    | 20   | 15   |
| 55° | 9    | 9     | 10   | 10    | 10   | 9    |
| 65° | 5    | 5     | 5    | 5     | 5    | 5    |
| 75° | 3    | 3     | 3    | 3     | 3    | 3    |
| 85° | 0    | 0     | 0    | 0     | 0    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1040.2 | 1040.2 | 1040.2 | 1040.2 | 1040.2 |
| 1°    | 1039.4 | 1036.7 | 1035.8 | 1035.4 | 1034.5 |
| 2°    | 1026.1 | 1023.9 | 1023.4 | 1023.4 | 1023.0 |
| 3°    | 1007.5 | 1003.6 | 1004.0 | 1002.7 | 1001.4 |
| 4°    | 976.2  | 974.4  | 975.3  | 976.2  | 974.4  |
| 5°    | 938.6  | 938.2  | 940.4  | 940.4  | 941.7  |
| 6°    | 899.8  | 899.3  | 898.0  | 901.5  | 903.3  |
| 7°    | 850.3  | 852.9  | 856.5  | 854.7  | 856.0  |
| 8°    | 805.2  | 802.2  | 803.5  | 807.9  | 808.3  |
| 9°    | 752.2  | 750.0  | 755.8  | 757.5  | 758.0  |
| 10°   | 700.6  | 702.8  | 702.3  | 708.5  | 705.9  |
| 12.5° | 565.8  | 569.4  | 573.3  | 576.0  | 578.6  |
| 15°   | 445.7  | 447.9  | 450.5  | 456.7  | 459.4  |
| 17.5° | 342.8  | 345.4  | 348.1  | 353.4  | 354.3  |
| 20°   | 261.1  | 262.4  | 264.1  | 269.0  | 267.7  |
| 22.5° | 195.2  | 197.4  | 199.2  | 201.4  | 202.7  |
| 25°   | 147.1  | 147.1  | 150.2  | 151.5  | 152.4  |
| 27.5° | 109.5  | 110.4  | 112.6  | 114.4  | 114.0  |
| 30°   | 82.6   | 83.9   | 85.3   | 86.1   | 86.6   |
| 32.5° | 63.6   | 63.6   | 64.9   | 66.3   | 66.7   |
| 35°   | 48.1   | 49.0   | 49.9   | 50.8   | 50.8   |
| 37.5° | 37.5   | 38.0   | 38.9   | 39.3   | 39.3   |
| 40°   | 29.6   | 29.6   | 30.5   | 30.9   | 30.9   |
| 42.5° | 23.4   | 23.9   | 24.3   | 24.7   | 24.7   |
| 45°   | 19.0   | 19.0   | 19.4   | 19.9   | 19.9   |
| 47.5° | 15.5   | 15.5   | 15.9   | 16.3   | 16.3   |
| 50°   | 12.8   | 13.3   | 13.3   | 13.7   | 13.7   |
| 52.5° | 11.0   | 11.0   | 11.0   | 11.5   | 11.5   |
| 55°   | 9.3    | 9.3    | 9.7    | 9.7    | 9.7    |
| 57.5° | 8.0    | 8.0    | 8.0    | 8.4    | 8.4    |
| 60°   | 7.1    | 7.1    | 7.1    | 7.1    | 7.1    |
| 62.5° | 6.2    | 6.2    | 6.2    | 6.2    | 6.2    |
| 65°   | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    |
| 67.5° | 4.4    | 4.4    | 4.4    | 4.9    | 4.9    |
| 70°   | 3.5    | 4.0    | 4.0    | 4.0    | 4.0    |
| 72.5° | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    |
| 75°   | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 77.5° | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    |
| 80°   | 1.3    | 1.8    | 1.8    | 1.8    | 1.8    |
| 82.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 85°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)