

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: P1314989

Luminaire Tested: P3SQAS05R159740DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314989  
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: P3SQAS05R159740DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

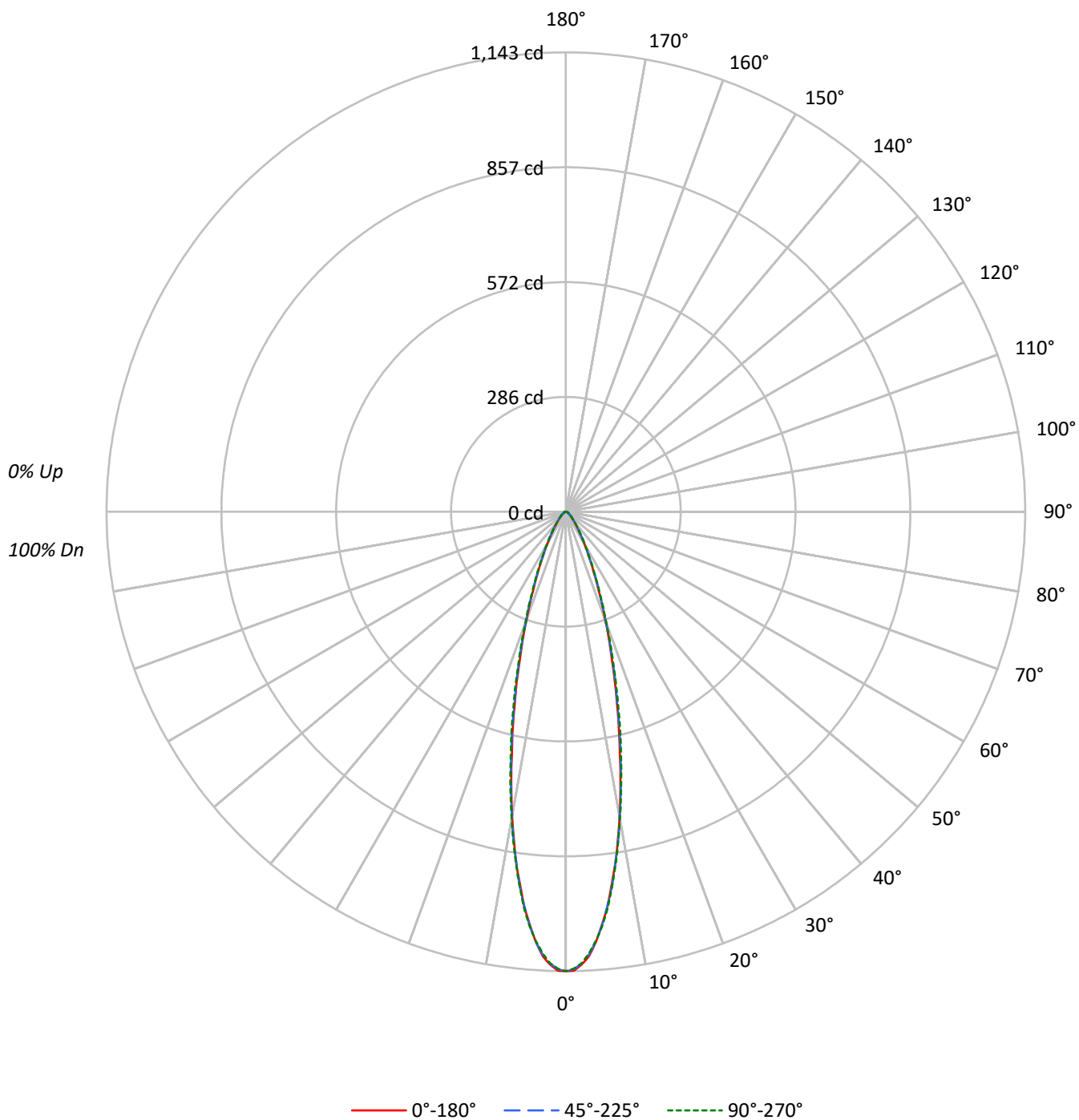
Lumens per Lamp: N/A  
Luminaire Lumens: 378.0 lumens  
Efficiency: N/A  
Efficacy: 52.5 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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°  | 196850 | 196850 | 196850 |
| 5°  | 178309 | 178655 | 178897 |
| 10° | 134622 | 134954 | 135637 |
| 15° | 87313  | 88275  | 90005  |
| 20° | 52582  | 53205  | 53901  |
| 25° | 30708  | 31354  | 31829  |
| 30° | 18057  | 18634  | 18912  |
| 35° | 11122  | 11521  | 11732  |
| 40° | 7307   | 7531   | 7644   |
| 45° | 5090   | 5212   | 5310   |
| 50° | 3778   | 3912   | 4019   |
| 55° | 3063   | 3213   | 3213   |
| 60° | 2687   | 2687   | 2687   |
| 65° | 2364   | 2364   | 2364   |
| 70° | 1964   | 2216   | 2216   |
| 75° | 1930   | 1930   | 1930   |
| 80° | 1488   | 1884   | 1884   |
| 85° | 988    | 988    | 988    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 5310 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.0   | 23.8      |
| 10°-20°   | 137.7  | 36.4      |
| 20°-30°   | 78.2   | 20.7      |
| 30°-40°   | 35.7   | 9.4       |
| 40°-50°   | 17.1   | 4.5       |
| 50°-60°   | 9.6    | 2.5       |
| 60°-70°   | 5.9    | 1.6       |
| 70°-80°   | 3.1    | 0.8       |
| 80°-90°   | 0.7    | 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°    | 306.0  | 80.9      |
| 0°-40°    | 341.6  | 90.4      |
| 0°-60°    | 368.4  | 97.4      |
| 0°-90°    | 378.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 378.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1143 | 1143  | 1143 | 1143  | 1143 |      |
| 5°  | 1031 | 1031  | 1033 | 1033  | 1035 | 90   |
| 15° | 490  | 492   | 495  | 502   | 505  | 136  |
| 25° | 162  | 162   | 165  | 166   | 168  | 77   |
| 35° | 53   | 54    | 55   | 56    | 56   | 35   |
| 45° | 21   | 21    | 21   | 22    | 22   | 17   |
| 55° | 10   | 10    | 11   | 11    | 11   | 9    |
| 65° | 6    | 6     | 6    | 6     | 6    | 6    |
| 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°    | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 |
| 1°    | 1142.1 | 1139.2 | 1138.2 | 1137.7 | 1136.7 |
| 2°    | 1127.5 | 1125.1 | 1124.6 | 1124.6 | 1124.1 |
| 3°    | 1107.1 | 1102.8 | 1103.2 | 1101.8 | 1100.3 |
| 4°    | 1072.7 | 1070.7 | 1071.7 | 1072.7 | 1070.7 |
| 5°    | 1031.4 | 1030.9 | 1033.4 | 1033.4 | 1034.8 |
| 6°    | 988.7  | 988.2  | 986.8  | 990.6  | 992.6  |
| 7°    | 934.3  | 937.3  | 941.1  | 939.2  | 940.6  |
| 8°    | 884.8  | 881.4  | 882.9  | 887.7  | 888.2  |
| 9°    | 826.6  | 824.2  | 830.5  | 832.4  | 832.9  |
| 10°   | 769.8  | 772.2  | 771.7  | 778.5  | 775.6  |
| 12.5° | 621.8  | 625.6  | 630.0  | 632.9  | 635.8  |
| 15°   | 489.7  | 492.2  | 495.1  | 501.9  | 504.8  |
| 17.5° | 376.6  | 379.6  | 382.5  | 388.3  | 389.3  |
| 20°   | 286.9  | 288.3  | 290.3  | 295.6  | 294.1  |
| 22.5° | 214.5  | 217.0  | 218.9  | 221.3  | 222.8  |
| 25°   | 161.6  | 161.6  | 165.0  | 166.5  | 167.5  |
| 27.5° | 120.4  | 121.3  | 123.8  | 125.7  | 125.2  |
| 30°   | 90.8   | 92.2   | 93.7   | 94.6   | 95.1   |
| 32.5° | 69.9   | 69.9   | 71.3   | 72.8   | 73.3   |
| 35°   | 52.9   | 53.9   | 54.8   | 55.8   | 55.8   |
| 37.5° | 41.3   | 41.7   | 42.7   | 43.2   | 43.2   |
| 40°   | 32.5   | 32.5   | 33.5   | 34.0   | 34.0   |
| 42.5° | 25.7   | 26.2   | 26.7   | 27.2   | 27.2   |
| 45°   | 20.9   | 20.9   | 21.4   | 21.8   | 21.8   |
| 47.5° | 17.0   | 17.0   | 17.5   | 18.0   | 18.0   |
| 50°   | 14.1   | 14.6   | 14.6   | 15.0   | 15.0   |
| 52.5° | 12.1   | 12.1   | 12.1   | 12.6   | 12.6   |
| 55°   | 10.2   | 10.2   | 10.7   | 10.7   | 10.7   |
| 57.5° | 8.7    | 8.7    | 8.7    | 9.2    | 9.2    |
| 60°   | 7.8    | 7.8    | 7.8    | 7.8    | 7.8    |
| 62.5° | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    |
| 65°   | 5.8    | 5.8    | 5.8    | 5.8    | 5.8    |
| 67.5° | 4.9    | 4.9    | 4.9    | 5.3    | 5.3    |
| 70°   | 3.9    | 4.4    | 4.4    | 4.4    | 4.4    |
| 72.5° | 3.4    | 3.4    | 3.4    | 3.4    | 3.4    |
| 75°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 77.5° | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    |
| 80°   | 1.5    | 1.9    | 1.9    | 1.9    | 1.9    |
| 82.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 85°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)