

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: P1307008

Luminaire Tested: P3SQAS17R159027DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307008  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R159027DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

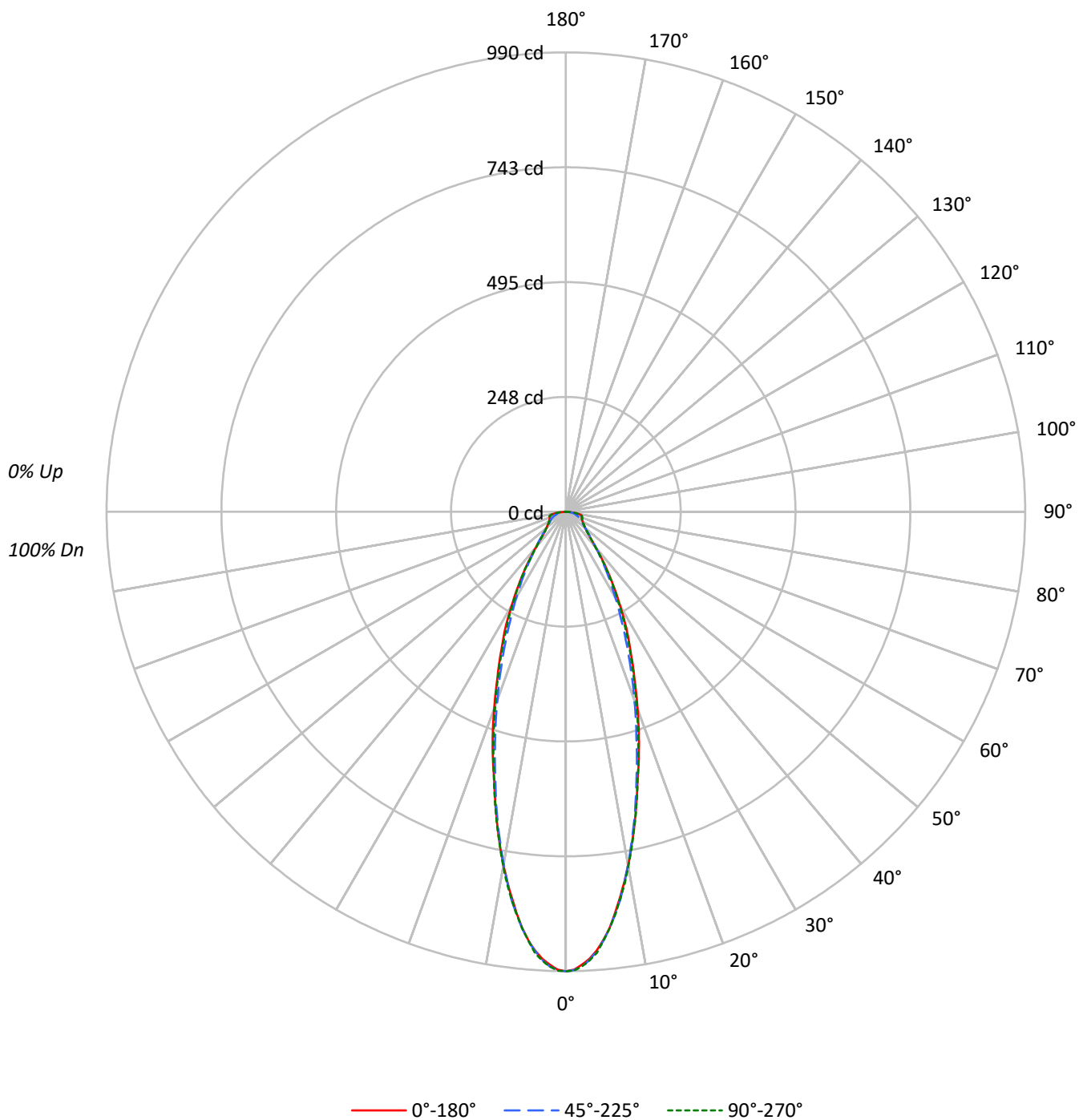
Lumens per Lamp: N/A  
Luminaire Lumens: 664.0 lumens  
Efficiency: N/A  
Efficacy: 31.3 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  |  | 97  | 95  | 94  |  | 94  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  |  | 90  | 86  | 83  |  | 87  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 86  | 81  | 77  |  | 83  | 79  | 76  |  | 81  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  |  | 77  | 73  | 69  |  | 75  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 64  |  | 72  | 68  | 64  |  | 71  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 70  | 64  | 60  |  | 68  | 63  | 59  |  | 67  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 60  | 56  | 66  | 60  | 56  |  | 64  | 59  | 55  |  | 63  |
| 8   | 74  | 64  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  |  | 61  | 56  | 52  |  | 60  |
| 9   | 71  | 60  | 54  | 49  | 70  | 60  | 53  | 49  | 59  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |
| 10  | 68  | 57  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 50  | 46  |  | 55  | 50  | 46  |  | 54  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 170587 | 170587 | 170587 |
| 5°  | 160208 | 160416 | 160416 |
| 10° | 135339 | 134902 | 135759 |
| 15° | 106426 | 104928 | 106640 |
| 20° | 82712  | 78973  | 81613  |
| 25° | 62443  | 58091  | 61512  |
| 30° | 46435  | 42358  | 45481  |
| 35° | 33156  | 30864  | 32651  |
| 40° | 22460  | 22729  | 22190  |
| 45° | 16708  | 17585  | 16708  |
| 50° | 14522  | 14522  | 14522  |
| 55° | 14082  | 13362  | 14082  |
| 60° | 14501  | 13261  | 14088  |
| 65° | 15689  | 13733  | 15689  |
| 70° | 18782  | 13948  | 18782  |
| 75° | 24022  | 14440  | 24022  |
| 80° | 29853  | 15472  | 28663  |
| 85° | 23712  | 14227  | 26084  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 29853 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 83.5   | 12.6      |
| 10°-20°   | 165.1  | 24.9      |
| 20°-30°   | 146.0  | 22.0      |
| 30°-40°   | 95.9   | 14.4      |
| 40°-50°   | 56.0   | 8.4       |
| 50°-60°   | 41.2   | 6.2       |
| 60°-70°   | 35.2   | 5.3       |
| 70°-80°   | 29.0   | 4.4       |
| 80°-90°   | 12.0   | 1.8       |
| 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°    | 394.6  | 59.4      |
| 0°-40°    | 490.5  | 73.9      |
| 0°-60°    | 587.8  | 88.5      |
| 0°-90°    | 664.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 664.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 990 | 990   | 990 | 990   | 990 |      |
| 5°  | 927 | 927   | 928 | 929   | 928 | 83   |
| 15° | 597 | 597   | 588 | 596   | 598 | 167  |
| 25° | 329 | 318   | 306 | 314   | 324 | 152  |
| 35° | 158 | 152   | 147 | 150   | 155 | 99   |
| 45° | 69  | 70    | 72  | 70    | 69  | 55   |
| 55° | 47  | 46    | 44  | 46    | 47  | 42   |
| 65° | 38  | 35    | 34  | 35    | 38  | 38   |
| 75° | 36  | 26    | 22  | 28    | 36  | 37   |
| 85° | 12  | 13    | 7   | 12    | 13  | 14   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 |
| 1°    | 986.9 | 988.1 | 988.1 | 989.3 | 989.3 |
| 2°    | 977.2 | 979.7 | 980.9 | 980.9 | 980.9 |
| 3°    | 965.2 | 966.4 | 967.6 | 968.8 | 968.8 |
| 4°    | 948.4 | 949.6 | 949.6 | 952.0 | 953.2 |
| 5°    | 926.7 | 926.7 | 927.9 | 929.1 | 927.9 |
| 6°    | 901.4 | 901.4 | 902.6 | 902.6 | 902.6 |
| 7°    | 871.3 | 872.5 | 873.7 | 875.0 | 873.7 |
| 8°    | 838.8 | 840.0 | 843.7 | 843.7 | 842.5 |
| 9°    | 806.4 | 807.6 | 807.6 | 811.2 | 811.2 |
| 10°   | 773.9 | 773.9 | 771.4 | 773.9 | 776.3 |
| 12.5° | 686.0 | 684.8 | 681.2 | 684.8 | 687.2 |
| 15°   | 596.9 | 596.9 | 588.5 | 595.7 | 598.1 |
| 17.5° | 524.7 | 513.9 | 505.5 | 512.7 | 518.7 |
| 20°   | 451.3 | 440.5 | 430.9 | 438.1 | 445.3 |
| 22.5° | 385.1 | 376.7 | 364.7 | 371.9 | 380.3 |
| 25°   | 328.6 | 317.7 | 305.7 | 314.1 | 323.7 |
| 27.5° | 281.6 | 267.2 | 255.1 | 264.8 | 273.2 |
| 30°   | 233.5 | 223.9 | 213.0 | 220.2 | 228.7 |
| 32.5° | 192.6 | 185.3 | 176.9 | 182.9 | 190.2 |
| 35°   | 157.7 | 151.6 | 146.8 | 150.4 | 155.3 |
| 37.5° | 126.4 | 124.0 | 121.6 | 122.8 | 122.8 |
| 40°   | 99.9  | 101.1 | 101.1 | 101.1 | 98.7  |
| 42.5° | 81.8  | 83.0  | 85.4  | 83.0  | 81.8  |
| 45°   | 68.6  | 69.8  | 72.2  | 69.8  | 68.6  |
| 47.5° | 60.2  | 61.4  | 62.6  | 60.2  | 60.2  |
| 50°   | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  |
| 52.5° | 50.5  | 49.3  | 49.3  | 49.3  | 50.5  |
| 55°   | 46.9  | 45.7  | 44.5  | 45.7  | 46.9  |
| 57.5° | 43.3  | 42.1  | 40.9  | 42.1  | 43.3  |
| 60°   | 42.1  | 39.7  | 38.5  | 39.7  | 40.9  |
| 62.5° | 39.7  | 37.3  | 36.1  | 37.3  | 39.7  |
| 65°   | 38.5  | 34.9  | 33.7  | 34.9  | 38.5  |
| 67.5° | 37.3  | 32.5  | 30.1  | 32.5  | 37.3  |
| 70°   | 37.3  | 30.1  | 27.7  | 31.3  | 37.3  |
| 72.5° | 36.1  | 28.9  | 24.1  | 28.9  | 36.1  |
| 75°   | 36.1  | 26.5  | 21.7  | 27.7  | 36.1  |
| 77.5° | 33.7  | 24.1  | 18.1  | 25.3  | 33.7  |
| 80°   | 30.1  | 21.7  | 15.6  | 22.9  | 28.9  |
| 82.5° | 21.7  | 18.1  | 12.0  | 18.1  | 21.7  |
| 85°   | 12.0  | 13.2  | 7.2   | 12.0  | 13.2  |
| 87.5° | 1.2   | 3.6   | 2.4   | 7.2   | 6.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)