

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: P1307214

Luminaire Tested: P3SQAS20R359027D010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R359027D010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

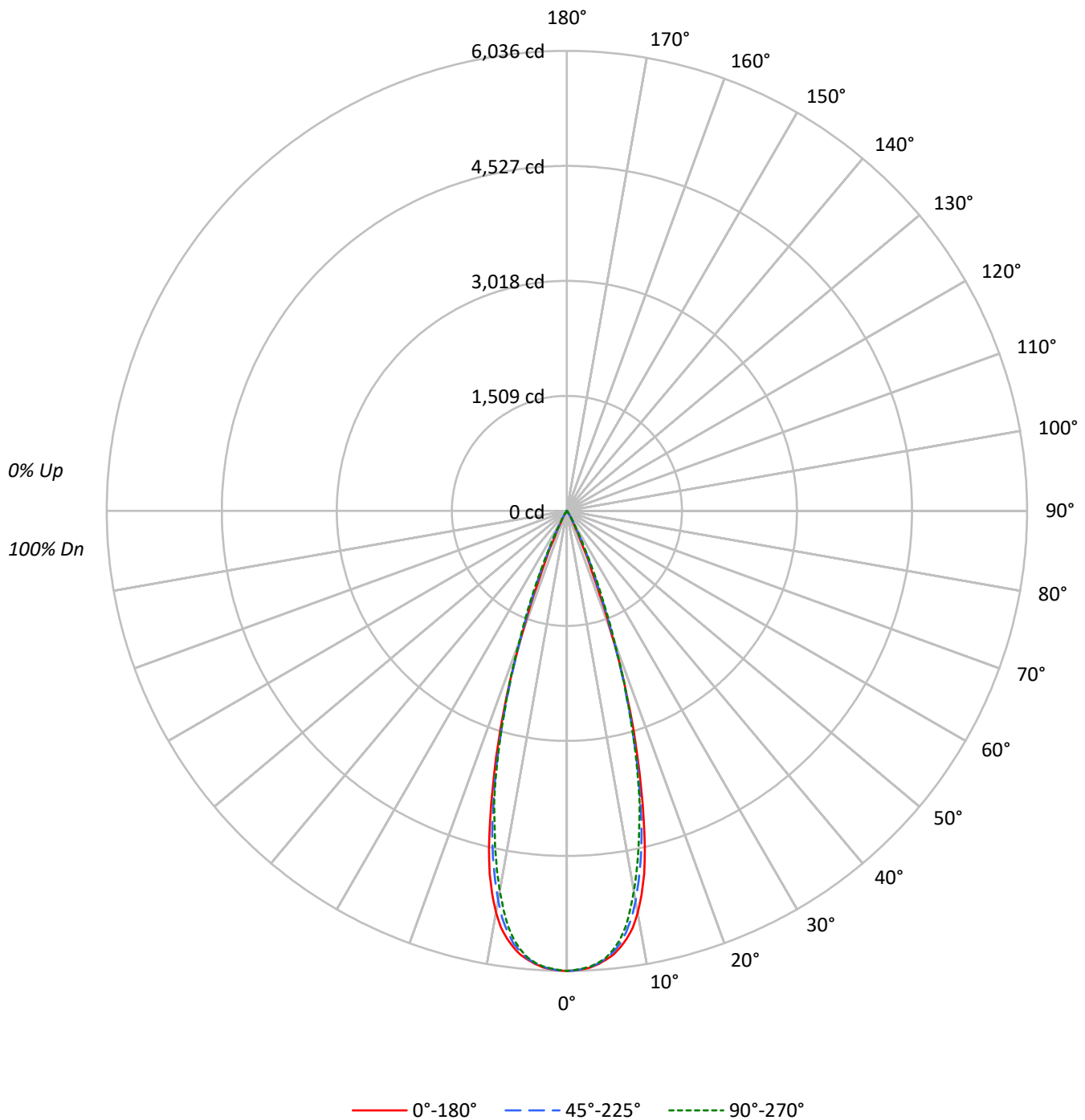
Lumens per Lamp: N/A  
Luminaire Lumens: 1832.0 lumens  
Efficiency: N/A  
Efficacy: 63.6 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  |  | 100 | 98  | 97  |  | 97  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  |  | 97  | 95  | 93  |  | 95  |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  |  | 92  | 89  | 87  |  | 90  |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  |  | 89  | 86  | 84  |  | 88  |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  |  | 84  | 81  | 79  |  | 83  |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  |  | 82  | 79  | 76  |  | 81  |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1039501 | 1039501 | 1039501 |
| 5°  | 1021655 | 1019459 | 1017281 |
| 10° | 936322  | 908184  | 886097  |
| 15° | 670454  | 649076  | 641195  |
| 20° | 310890  | 321594  | 332883  |
| 25° | 73768   | 104952  | 109455  |
| 30° | 21656   | 24799   | 27921   |
| 35° | 4983    | 7968    | 7296    |
| 40° | 1057    | 2136    | 1416    |
| 45° | 390     | 390     | 390     |
| 50° | 429     | 0       | 429     |
| 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: 453 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 541.9  | 29.6      |
| 10°-20°   | 968.7  | 52.9      |
| 20°-30°   | 291.5  | 15.9      |
| 30°-40°   | 27.9   | 1.5       |
| 40°-50°   | 1.9    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 1802.1 | 98.4      |
| 0°-40°    | 1830.0 | 99.9      |
| 0°-60°    | 1832.0 | 100.0     |
| 0°-90°    | 1832.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1832.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 6036 | 6036  | 6036 | 6036  | 6036 |      |
| 5°  | 5910 | 5908  | 5897 | 5889  | 5884 | 548  |
| 15° | 3760 | 3732  | 3640 | 3625  | 3596 | 993  |
| 25° | 388  | 428   | 552  | 576   | 576  | 250  |
| 35° | 24   | 32    | 38   | 41    | 35   | 22   |
| 45° | 2    | 2     | 2    | 2     | 2    | 2    |
| 55° | 0    | 0     | 0    | 0     | 0    | 1    |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 6035.8 | 6035.8 | 6035.8 | 6035.8 | 6035.8 |
| 1°    | 6032.6 | 6032.6 | 6029.5 | 6029.5 | 6023.2 |
| 2°    | 6018.4 | 6020.0 | 6013.7 | 6012.1 | 6007.4 |
| 3°    | 5996.4 | 5991.6 | 5991.6 | 5988.5 | 5985.3 |
| 4°    | 5961.6 | 5952.2 | 5949.0 | 5950.6 | 5944.3 |
| 5°    | 5909.6 | 5908.0 | 5896.9 | 5889.1 | 5884.3 |
| 6°    | 5852.8 | 5841.7 | 5818.0 | 5797.5 | 5792.8 |
| 7°    | 5767.5 | 5743.9 | 5723.4 | 5680.8 | 5674.4 |
| 8°    | 5663.4 | 5625.5 | 5581.3 | 5521.4 | 5518.2 |
| 9°    | 5535.6 | 5474.0 | 5412.5 | 5332.0 | 5303.6 |
| 10°   | 5354.1 | 5297.3 | 5193.2 | 5122.2 | 5066.9 |
| 11°   | 5128.5 | 5057.5 | 4935.9 | 4850.7 | 4805.0 |
| 12°   | 4872.8 | 4806.6 | 4664.5 | 4587.2 | 4522.5 |
| 13°   | 4544.6 | 4489.4 | 4356.8 | 4271.6 | 4221.1 |
| 14°   | 4164.3 | 4123.3 | 3997.0 | 3959.2 | 3941.8 |
| 15°   | 3760.3 | 3731.9 | 3640.4 | 3624.6 | 3596.2 |
| 17.5° | 2767.8 | 2720.5 | 2668.4 | 2677.8 | 2687.3 |
| 20°   | 1696.3 | 1762.6 | 1754.7 | 1789.4 | 1816.3 |
| 22.5° | 845.8  | 931.0  | 1030.4 | 1090.4 | 1120.4 |
| 25°   | 388.2  | 427.6  | 552.3  | 576.0  | 576.0  |
| 27.5° | 195.7  | 205.1  | 260.4  | 265.1  | 277.7  |
| 30°   | 108.9  | 116.8  | 124.7  | 138.9  | 140.4  |
| 32.5° | 55.2   | 64.7   | 67.9   | 75.7   | 72.6   |
| 35°   | 23.7   | 31.6   | 37.9   | 41.0   | 34.7   |
| 37.5° | 11.0   | 14.2   | 20.5   | 18.9   | 14.2   |
| 40°   | 4.7    | 6.3    | 9.5    | 7.9    | 6.3    |
| 42.5° | 3.2    | 3.2    | 4.7    | 3.2    | 3.2    |
| 45°   | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 47.5° | 1.6    | 1.6    | 0.0    | 1.6    | 1.6    |
| 50°   | 1.6    | 0.0    | 0.0    | 0.0    | 1.6    |
| 52.5° | 1.6    | 0.0    | 0.0    | 0.0    | 1.6    |
| 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)