

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: P1318372

Luminaire Tested: P3SQAS20R709835D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318372  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R709835D010 E3SQCLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

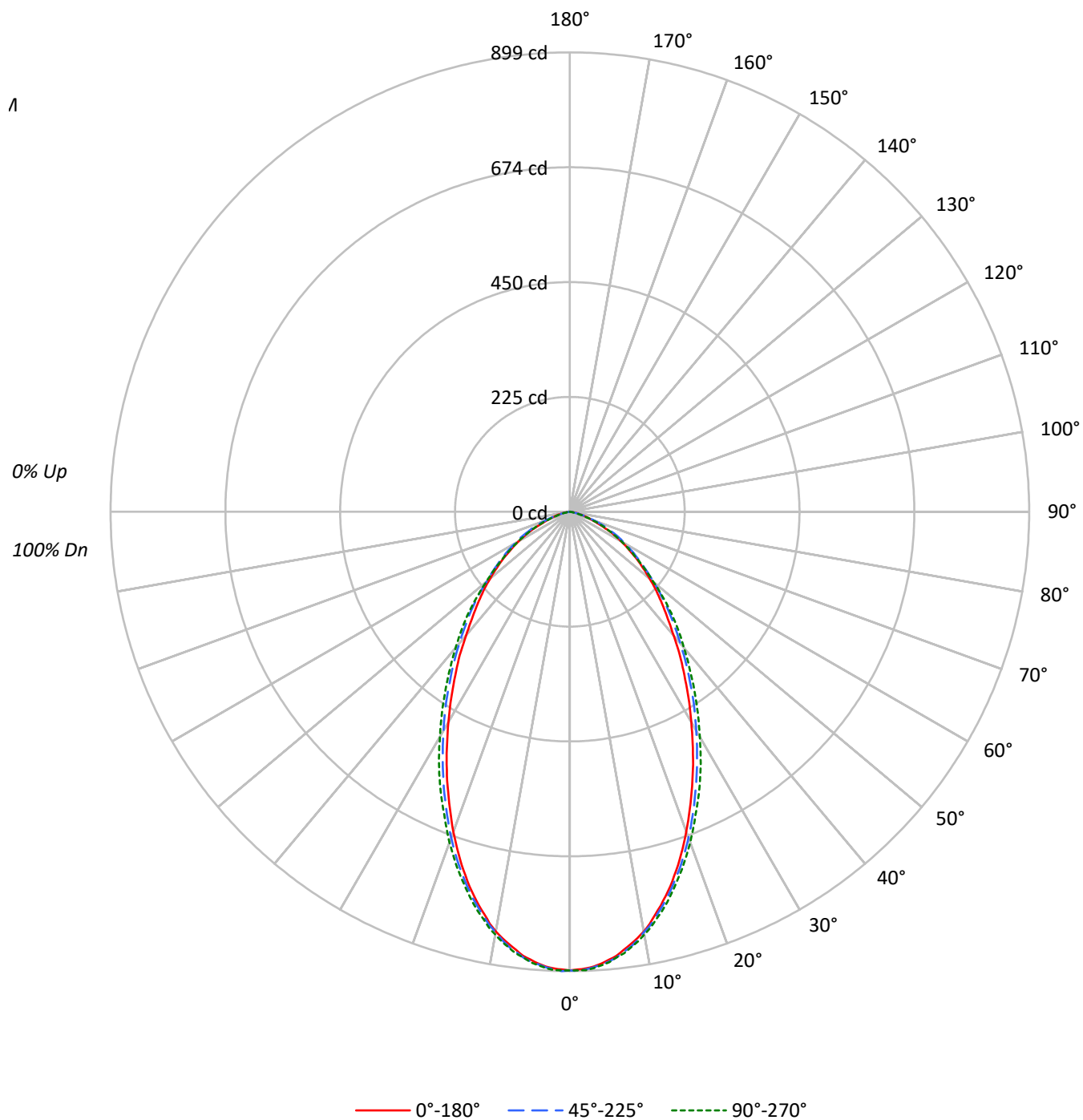
Lumens per Lamp: N/A  
Luminaire Lumens: 1285.0 lumens  
Efficiency: N/A  
Efficacy: 46.9 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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 | 102 | 109 | 106 | 103 | 100 | 101 | 99  | 97  |  | 98  | 96  | 94  |  | 94  |
| 2   | 103 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  |  | 89  | 85  | 82  |  | 86  |
| 3   | 96  | 87  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  |  | 81  | 76  | 72  |  | 78  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  |  | 74  | 69  | 64  |  | 72  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  |  | 67  | 62  | 58  |  | 66  |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 53  |  | 62  | 56  | 52  |  | 61  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 48  |  | 58  | 52  | 47  |  | 56  |
| 8   | 68  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  |  | 53  | 48  | 43  |  | 52  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 154587 | 154587 | 154587 |
| 5°  | 152152 | 152705 | 152965 |
| 10° | 145814 | 146094 | 146934 |
| 15° | 135310 | 136451 | 137593 |
| 20° | 122135 | 124481 | 126222 |
| 25° | 108163 | 111185 | 113921 |
| 30° | 94481  | 98279  | 101143 |
| 35° | 82122  | 86474  | 89165  |
| 40° | 70976  | 75630  | 78148  |
| 45° | 62132  | 66394  | 68343  |
| 50° | 54685  | 57230  | 57230  |
| 55° | 47381  | 49783  | 48342  |
| 60° | 40093  | 42849  | 40645  |
| 65° | 31175  | 35739  | 32479  |
| 70° | 22458  | 26486  | 22458  |
| 75° | 16968  | 15903  | 12709  |
| 80° | 11108  | 7934   | 3174   |
| 85° | 3162   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 68343 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 82.8   | 6.4       |
| 10°-20°   | 213.6  | 16.6      |
| 20°-30°   | 268.1  | 20.9      |
| 30°-40°   | 256.1  | 19.9      |
| 40°-50°   | 208.2  | 16.2      |
| 50°-60°   | 145.8  | 11.3      |
| 60°-70°   | 82.3   | 6.4       |
| 70°-80°   | 26.1   | 2.0       |
| 80°-90°   | 2.0    | 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°    | 564.5  | 43.9      |
| 0°-40°    | 820.6  | 63.9      |
| 0°-60°    | 1174.6 | 91.4      |
| 0°-90°    | 1285.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1285.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 898 | 898   | 898 | 898   | 898 |      |
| 5°  | 880 | 882   | 883 | 882   | 885 | 83   |
| 15° | 759 | 760   | 765 | 767   | 772 | 212  |
| 25° | 569 | 576   | 585 | 595   | 600 | 261  |
| 35° | 391 | 397   | 411 | 419   | 424 | 245  |
| 45° | 255 | 262   | 273 | 277   | 281 | 198  |
| 55° | 158 | 159   | 166 | 163   | 161 | 141  |
| 65° | 76  | 81    | 88  | 83    | 80  | 77   |
| 75° | 26  | 26    | 24  | 21    | 19  | 27   |
| 85° | 2   | 2     | 0   | 0     | 0   | 3    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 897.6 | 897.6 | 897.6 | 897.6 | 897.6 |
| 1°    | 896.0 | 897.6 | 899.2 | 896.0 | 897.6 |
| 2°    | 894.4 | 896.0 | 896.0 | 894.4 | 897.6 |
| 3°    | 891.2 | 892.8 | 892.8 | 891.2 | 894.4 |
| 4°    | 886.4 | 888.0 | 888.0 | 886.4 | 889.6 |
| 5°    | 880.1 | 881.7 | 883.3 | 881.7 | 884.8 |
| 6°    | 873.7 | 875.3 | 876.9 | 875.3 | 876.9 |
| 7°    | 864.1 | 867.3 | 867.3 | 867.3 | 870.5 |
| 8°    | 854.6 | 857.7 | 859.3 | 857.7 | 860.9 |
| 9°    | 845.0 | 846.6 | 848.2 | 848.2 | 851.4 |
| 10°   | 833.8 | 835.4 | 835.4 | 837.0 | 840.2 |
| 11°   | 821.1 | 821.1 | 824.3 | 824.3 | 829.0 |
| 12°   | 805.1 | 806.7 | 809.9 | 811.5 | 814.7 |
| 13°   | 790.8 | 792.4 | 795.6 | 797.2 | 801.9 |
| 14°   | 774.8 | 778.0 | 781.2 | 782.8 | 787.6 |
| 15°   | 758.9 | 760.5 | 765.3 | 766.9 | 771.7 |
| 17.5° | 714.3 | 715.9 | 723.8 | 727.0 | 731.8 |
| 20°   | 666.4 | 671.2 | 679.2 | 684.0 | 688.7 |
| 22.5° | 617.0 | 621.8 | 631.4 | 639.3 | 642.5 |
| 25°   | 569.2 | 575.6 | 585.1 | 594.7 | 599.5 |
| 27.5° | 521.3 | 527.7 | 538.9 | 548.4 | 554.8 |
| 30°   | 475.1 | 481.5 | 494.2 | 502.2 | 508.6 |
| 32.5° | 432.1 | 438.4 | 452.8 | 460.8 | 465.5 |
| 35°   | 390.6 | 397.0 | 411.3 | 419.3 | 424.1 |
| 37.5° | 353.9 | 360.3 | 373.1 | 381.0 | 384.2 |
| 40°   | 315.7 | 323.6 | 336.4 | 344.4 | 347.6 |
| 42.5° | 283.8 | 290.2 | 302.9 | 309.3 | 314.1 |
| 45°   | 255.1 | 261.5 | 272.6 | 277.4 | 280.6 |
| 47.5° | 229.6 | 232.8 | 242.3 | 243.9 | 247.1 |
| 50°   | 204.1 | 207.3 | 213.6 | 215.2 | 213.6 |
| 52.5° | 180.2 | 183.3 | 188.1 | 186.5 | 186.5 |
| 55°   | 157.8 | 159.4 | 165.8 | 162.6 | 161.0 |
| 57.5° | 135.5 | 138.7 | 145.1 | 140.3 | 138.7 |
| 60°   | 116.4 | 119.6 | 124.4 | 121.2 | 118.0 |
| 62.5° | 97.3  | 98.8  | 106.8 | 100.4 | 97.3  |
| 65°   | 76.5  | 81.3  | 87.7  | 82.9  | 79.7  |
| 67.5° | 57.4  | 65.4  | 71.7  | 65.4  | 62.2  |
| 70°   | 44.6  | 47.8  | 52.6  | 49.4  | 44.6  |
| 72.5° | 33.5  | 35.1  | 36.7  | 33.5  | 30.3  |
| 75°   | 25.5  | 25.5  | 23.9  | 20.7  | 19.1  |
| 77.5° | 17.5  | 17.5  | 14.3  | 9.6   | 9.6   |
| 80°   | 11.2  | 11.2  | 8.0   | 3.2   | 3.2   |
| 82.5° | 4.8   | 4.8   | 3.2   | 1.6   | 1.6   |
| 85°   | 1.6   | 1.6   | 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)