

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: P1313802

Luminaire Tested: P3SQAS20R709730D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313802  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R709730D010 E3SQCLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCLDWW1MW TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

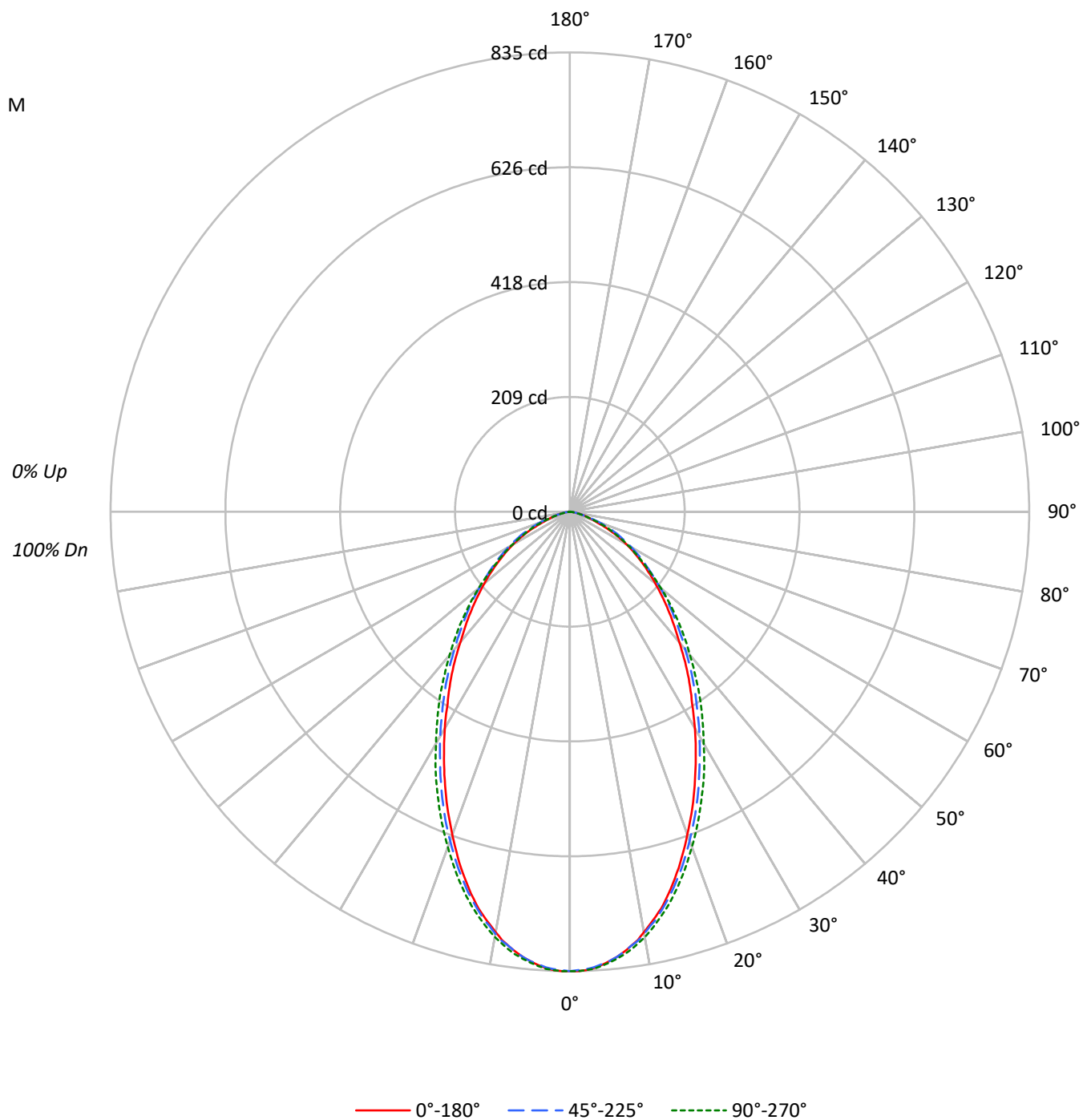
Lumens per Lamp: N/A  
Luminaire Lumens: 1254.0 lumens  
Efficiency: N/A  
Efficacy: 43.5 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 98  | 96  |  | 97  | 95  | 93  |  | 94  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  |  | 88  | 84  | 81  |  | 85  |
| 3   | 95  | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  |  | 80  | 75  | 71  |  | 77  |
| 4   | 89  | 78  | 71  | 65  | 87  | 77  | 70  | 65  | 75  | 69  | 64  |  | 73  | 67  | 63  |  | 71  |
| 5   | 83  | 71  | 64  | 58  | 81  | 70  | 63  | 58  | 68  | 62  | 57  |  | 67  | 61  | 57  |  | 65  |
| 6   | 77  | 65  | 58  | 52  | 75  | 64  | 57  | 52  | 63  | 56  | 51  |  | 61  | 55  | 51  |  | 60  |
| 7   | 72  | 60  | 52  | 47  | 70  | 59  | 52  | 47  | 58  | 51  | 47  |  | 57  | 51  | 46  |  | 55  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 42  |  | 53  | 47  | 42  |  | 51  |
| 9   | 64  | 52  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 44  | 39  |  | 49  | 43  | 39  |  | 48  |
| 10  | 60  | 48  | 41  | 36  | 59  | 48  | 41  | 36  | 47  | 40  | 36  |  | 46  | 40  | 36  |  | 45  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 143823 | 143823 | 143823 |
| 5°  | 141762 | 141762 | 142281 |
| 10° | 135706 | 136249 | 137298 |
| 15° | 126467 | 127554 | 129177 |
| 20° | 114456 | 116673 | 118891 |
| 25° | 102253 | 105123 | 108011 |
| 30° | 90424  | 93745  | 96748  |
| 35° | 79662  | 83173  | 86684  |
| 40° | 69515  | 73269  | 76327  |
| 45° | 61645  | 64982  | 67198  |
| 50° | 54417  | 57257  | 58061  |
| 55° | 47772  | 50504  | 49153  |
| 60° | 41230  | 44365  | 42298  |
| 65° | 32723  | 38306  | 34598  |
| 70° | 23667  | 29760  | 25933  |
| 75° | 18166  | 19164  | 16170  |
| 80° | 12001  | 12001  | 9025   |
| 85° | 5928   | 5928   | 5928   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 67198 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 77.0   | 6.1       |
| 10°-20°   | 199.9  | 15.9      |
| 20°-30°   | 254.0  | 20.3      |
| 30°-40°   | 247.1  | 19.7      |
| 40°-50°   | 205.4  | 16.4      |
| 50°-60°   | 148.1  | 11.8      |
| 60°-70°   | 87.2   | 7.0       |
| 70°-80°   | 30.9   | 2.5       |
| 80°-90°   | 4.5    | 0.4       |
| 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°    | 530.8  | 42.3      |
| 0°-40°    | 777.9  | 62.0      |
| 0°-60°    | 1131.4 | 90.2      |
| 0°-90°    | 1254.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1254.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 835 | 835   | 835 | 835   | 835 |      |
| 5°  | 820 | 818   | 820 | 820   | 823 | 77   |
| 15° | 709 | 709   | 715 | 720   | 724 | 198  |
| 25° | 538 | 544   | 553 | 564   | 568 | 247  |
| 35° | 379 | 384   | 396 | 406   | 412 | 237  |
| 45° | 253 | 258   | 267 | 273   | 276 | 196  |
| 55° | 159 | 164   | 168 | 167   | 164 | 143  |
| 65° | 80  | 86    | 94  | 89    | 85  | 80   |
| 75° | 27  | 29    | 29  | 26    | 24  | 30   |
| 85° | 3   | 3     | 3   | 3     | 3   | 5    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 835.1 | 835.1 | 835.1 | 835.1 | 835.1 |
| 1°    | 835.1 | 833.6 | 833.6 | 833.6 | 835.1 |
| 2°    | 833.6 | 832.1 | 832.1 | 832.1 | 833.6 |
| 3°    | 830.6 | 829.1 | 829.1 | 829.1 | 832.1 |
| 4°    | 826.1 | 823.0 | 824.5 | 824.5 | 827.6 |
| 5°    | 820.0 | 818.5 | 820.0 | 820.0 | 823.0 |
| 6°    | 813.9 | 812.4 | 813.9 | 813.9 | 817.0 |
| 7°    | 806.4 | 804.8 | 806.4 | 807.9 | 810.9 |
| 8°    | 797.3 | 795.7 | 797.3 | 798.8 | 803.3 |
| 9°    | 788.2 | 786.6 | 789.7 | 791.2 | 794.2 |
| 10°   | 776.0 | 776.0 | 779.1 | 780.6 | 785.1 |
| 11°   | 763.9 | 763.9 | 766.9 | 770.0 | 774.5 |
| 12°   | 751.8 | 751.8 | 756.3 | 759.4 | 762.4 |
| 13°   | 739.7 | 738.1 | 742.7 | 745.7 | 750.3 |
| 14°   | 724.5 | 723.0 | 729.1 | 733.6 | 738.1 |
| 15°   | 709.3 | 709.3 | 715.4 | 720.0 | 724.5 |
| 17.5° | 668.4 | 669.9 | 677.5 | 683.6 | 688.1 |
| 20°   | 624.5 | 629.0 | 636.6 | 644.2 | 648.7 |
| 22.5° | 582.0 | 585.1 | 595.7 | 604.8 | 609.3 |
| 25°   | 538.1 | 544.1 | 553.2 | 563.8 | 568.4 |
| 27.5° | 495.6 | 501.7 | 510.8 | 521.4 | 529.0 |
| 30°   | 454.7 | 459.3 | 471.4 | 482.0 | 486.5 |
| 32.5° | 413.8 | 419.8 | 432.0 | 442.6 | 448.6 |
| 35°   | 378.9 | 383.5 | 395.6 | 406.2 | 412.3 |
| 37.5° | 344.1 | 348.6 | 360.7 | 369.8 | 374.4 |
| 40°   | 309.2 | 316.8 | 325.9 | 335.0 | 339.5 |
| 42.5° | 280.4 | 286.5 | 295.6 | 303.1 | 307.7 |
| 45°   | 253.1 | 257.7 | 266.8 | 272.8 | 275.9 |
| 47.5° | 227.4 | 231.9 | 241.0 | 244.0 | 245.5 |
| 50°   | 203.1 | 207.7 | 213.7 | 215.2 | 216.7 |
| 52.5° | 180.4 | 183.4 | 189.5 | 189.5 | 187.9 |
| 55°   | 159.1 | 163.7 | 168.2 | 166.7 | 163.7 |
| 57.5° | 139.4 | 141.0 | 148.5 | 145.5 | 142.5 |
| 60°   | 119.7 | 122.8 | 128.8 | 125.8 | 122.8 |
| 62.5° | 100.0 | 103.1 | 110.6 | 107.6 | 103.1 |
| 65°   | 80.3  | 86.4  | 94.0  | 89.4  | 84.9  |
| 67.5° | 60.6  | 68.2  | 75.8  | 71.2  | 68.2  |
| 70°   | 47.0  | 53.0  | 59.1  | 54.6  | 51.5  |
| 72.5° | 36.4  | 39.4  | 42.4  | 39.4  | 36.4  |
| 75°   | 27.3  | 28.8  | 28.8  | 25.8  | 24.3  |
| 77.5° | 19.7  | 21.2  | 18.2  | 15.2  | 15.2  |
| 80°   | 12.1  | 13.6  | 12.1  | 9.1   | 9.1   |
| 82.5° | 6.1   | 7.6   | 6.1   | 6.1   | 6.1   |
| 85°   | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   |
| 87.5° | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |



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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)