

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: P1313496

Luminaire Tested: P3SQAS13R709730DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R709730DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

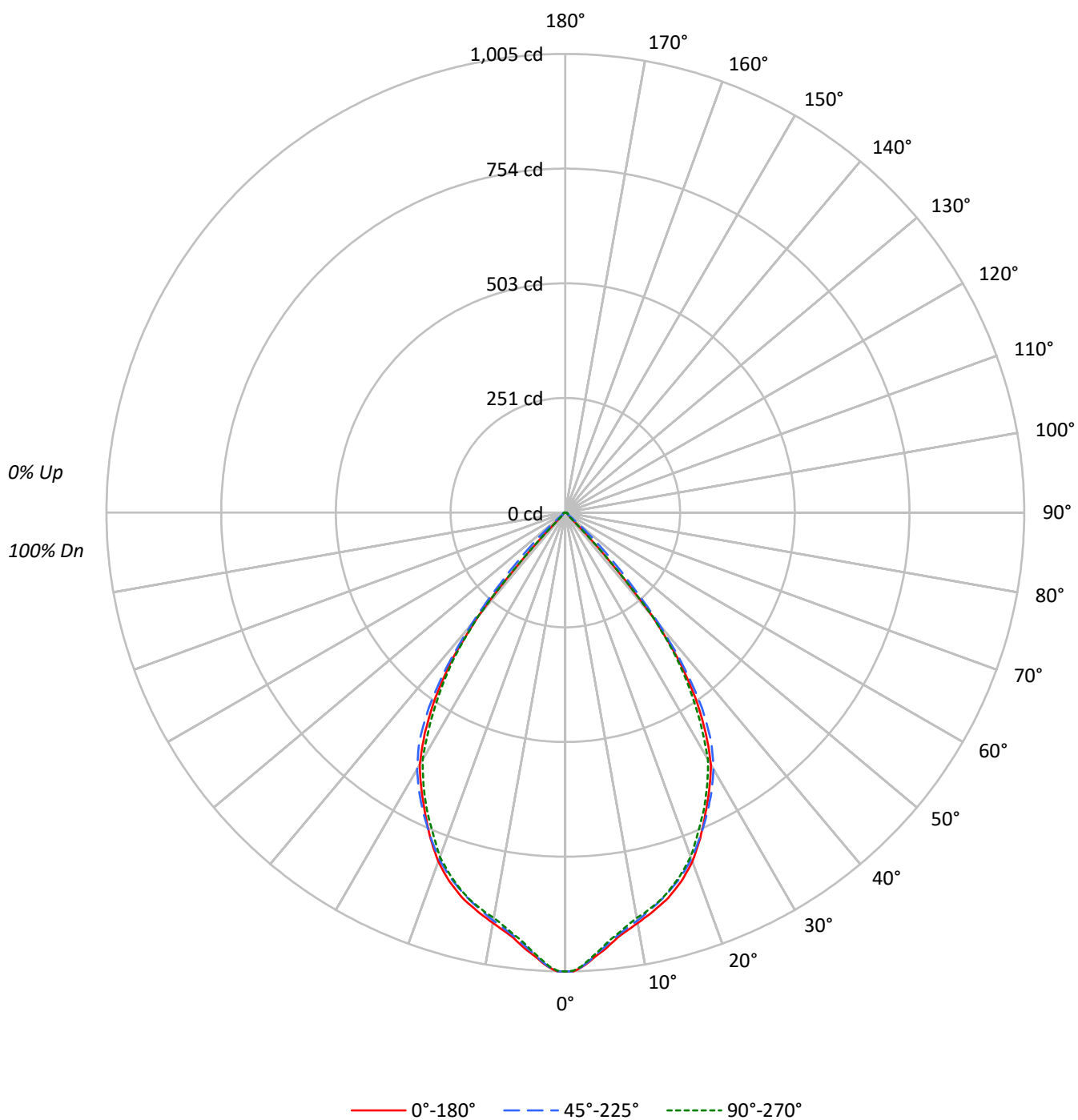
Lumens per Lamp: N/A  
Luminaire Lumens: 1072.0 lumens  
Efficiency: N/A  
Efficacy: 73.4 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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

TEST NUMBER: P1313496

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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   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  |  | 94  | 91  | 89  |  | 91  |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  |
| 4   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 77  | 84  | 80  | 76  |  | 82  | 78  | 75  |  | 81  |
| 5   | 91  | 82  | 76  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  |  | 77  | 73  | 69  |  | 76  |
| 6   | 86  | 76  | 70  | 65  | 84  | 75  | 69  | 65  | 74  | 69  | 65  |  | 72  | 68  | 64  |  | 71  |
| 7   | 81  | 71  | 65  | 60  | 80  | 70  | 64  | 60  | 69  | 64  | 60  |  | 68  | 63  | 59  |  | 67  |
| 8   | 77  | 67  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 59  | 56  |  | 64  | 59  | 55  |  | 63  |
| 9   | 73  | 62  | 56  | 52  | 72  | 62  | 56  | 52  | 61  | 56  | 52  |  | 60  | 55  | 52  |  | 59  |
| 10  | 69  | 59  | 53  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 173153 | 173153 | 173153 |
| 5°  | 166432 | 165533 | 164928 |
| 10° | 159665 | 158756 | 157689 |
| 15° | 155654 | 153942 | 153782 |
| 20° | 149131 | 148013 | 147060 |
| 25° | 138073 | 139062 | 136420 |
| 30° | 126817 | 129084 | 124231 |
| 35° | 104597 | 109538 | 100560 |
| 40° | 66592  | 71695  | 66592  |
| 45° | 4676   | 30981  | 5090   |
| 50° | 2090   | 6296   | 2090   |
| 55° | 2342   | 2342   | 2342   |
| 60° | 2411   | 2411   | 2411   |
| 65° | 2119   | 2486   | 2119   |
| 70° | 2216   | 2618   | 2216   |
| 75° | 2329   | 2329   | 2329   |
| 80° | 2579   | 2579   | 2579   |
| 85° | 1778   | 3359   | 1778   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 30981 cd/sqm

TEST NUMBER: P1313496

CATALOG NUMBER: P3SQAS13R709730DE010 E3SQCD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 89.7   | 8.4       |
| 10°-20°   | 242.9  | 22.7      |
| 20°-30°   | 333.9  | 31.1      |
| 30°-40°   | 305.8  | 28.5      |
| 40°-50°   | 81.2   | 7.6       |
| 50°-60°   | 7.2    | 0.7       |
| 60°-70°   | 5.9    | 0.6       |
| 70°-80°   | 4.0    | 0.4       |
| 80°-90°   | 1.5    | 0.1       |
| 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°    | 666.5  | 62.2      |
| 0°-40°    | 972.3  | 90.7      |
| 0°-60°    | 1060.7 | 98.9      |
| 0°-90°    | 1072.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1072.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1005 | 1005  | 1005 | 1005  | 1005 |      |
| 5°  | 963  | 958   | 958  | 956   | 954  | 90   |
| 15° | 873  | 865   | 863  | 863   | 862  | 245  |
| 25° | 727  | 729   | 732  | 723   | 718  | 334  |
| 35° | 498  | 505   | 521  | 498   | 478  | 302  |
| 45° | 19   | 65    | 127  | 66    | 21   | 58   |
| 55° | 8    | 8     | 8    | 8     | 8    | 7    |
| 65° | 5    | 6     | 6    | 6     | 5    | 5    |
| 75° | 4    | 4     | 4    | 4     | 4    | 4    |
| 85° | 1    | 2     | 2    | 2     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1313496

CATALOG NUMBER: P3SQAS13R709730DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1005.4 | 1005.4 | 1005.4 | 1005.4 | 1005.4 |
| 1°    | 1005.4 | 1003.6 | 1005.4 | 1005.4 | 1003.6 |
| 2°    | 997.5  | 995.8  | 996.7  | 995.8  | 994.9  |
| 3°    | 986.2  | 983.6  | 984.5  | 982.7  | 981.0  |
| 4°    | 973.1  | 970.5  | 970.5  | 969.7  | 967.9  |
| 5°    | 962.7  | 958.3  | 957.5  | 955.7  | 954.0  |
| 6°    | 950.5  | 946.1  | 945.3  | 942.7  | 940.9  |
| 7°    | 938.3  | 934.8  | 933.9  | 930.5  | 930.5  |
| 8°    | 928.7  | 924.4  | 924.4  | 920.0  | 920.0  |
| 9°    | 920.9  | 915.6  | 915.6  | 912.2  | 910.4  |
| 10°   | 913.0  | 907.8  | 907.8  | 903.5  | 901.7  |
| 11°   | 905.2  | 900.8  | 899.1  | 896.5  | 895.6  |
| 12°   | 898.2  | 892.1  | 890.4  | 889.5  | 887.8  |
| 13°   | 889.5  | 883.4  | 881.7  | 880.8  | 879.9  |
| 14°   | 881.7  | 873.8  | 873.0  | 871.2  | 872.1  |
| 15°   | 873.0  | 865.1  | 863.4  | 863.4  | 862.5  |
| 17.5° | 846.0  | 840.7  | 838.1  | 836.4  | 834.6  |
| 20°   | 813.7  | 809.4  | 807.6  | 804.1  | 802.4  |
| 22.5° | 771.9  | 771.0  | 770.2  | 765.8  | 758.8  |
| 25°   | 726.6  | 729.2  | 731.8  | 723.1  | 717.9  |
| 27.5° | 683.0  | 690.0  | 692.6  | 683.9  | 672.6  |
| 30°   | 637.7  | 643.8  | 649.1  | 636.9  | 624.7  |
| 32.5° | 572.4  | 587.2  | 595.0  | 581.1  | 553.2  |
| 35°   | 497.5  | 505.3  | 521.0  | 497.5  | 478.3  |
| 37.5° | 410.3  | 414.7  | 426.9  | 411.2  | 398.1  |
| 40°   | 296.2  | 309.3  | 318.9  | 309.3  | 296.2  |
| 42.5° | 133.3  | 186.4  | 210.8  | 196.9  | 139.4  |
| 45°   | 19.2   | 65.3   | 127.2  | 66.2   | 20.9   |
| 47.5° | 7.8    | 10.5   | 66.2   | 9.6    | 7.8    |
| 50°   | 7.8    | 7.8    | 23.5   | 7.8    | 7.8    |
| 52.5° | 7.8    | 7.8    | 8.7    | 7.8    | 7.8    |
| 55°   | 7.8    | 7.8    | 7.8    | 7.8    | 7.8    |
| 57.5° | 7.0    | 7.0    | 7.8    | 7.0    | 7.0    |
| 60°   | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 62.5° | 6.1    | 7.0    | 7.0    | 7.0    | 6.1    |
| 65°   | 5.2    | 6.1    | 6.1    | 6.1    | 5.2    |
| 67.5° | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    |
| 70°   | 4.4    | 5.2    | 5.2    | 5.2    | 4.4    |
| 72.5° | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    |
| 75°   | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    |
| 77.5° | 2.6    | 3.5    | 3.5    | 3.5    | 2.6    |
| 80°   | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 82.5° | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    |
| 85°   | 0.9    | 1.7    | 1.7    | 1.7    | 0.9    |
| 87.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |



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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)