

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: P1316535

Luminaire Tested: P3SQAS20R309827D010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R309827D010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

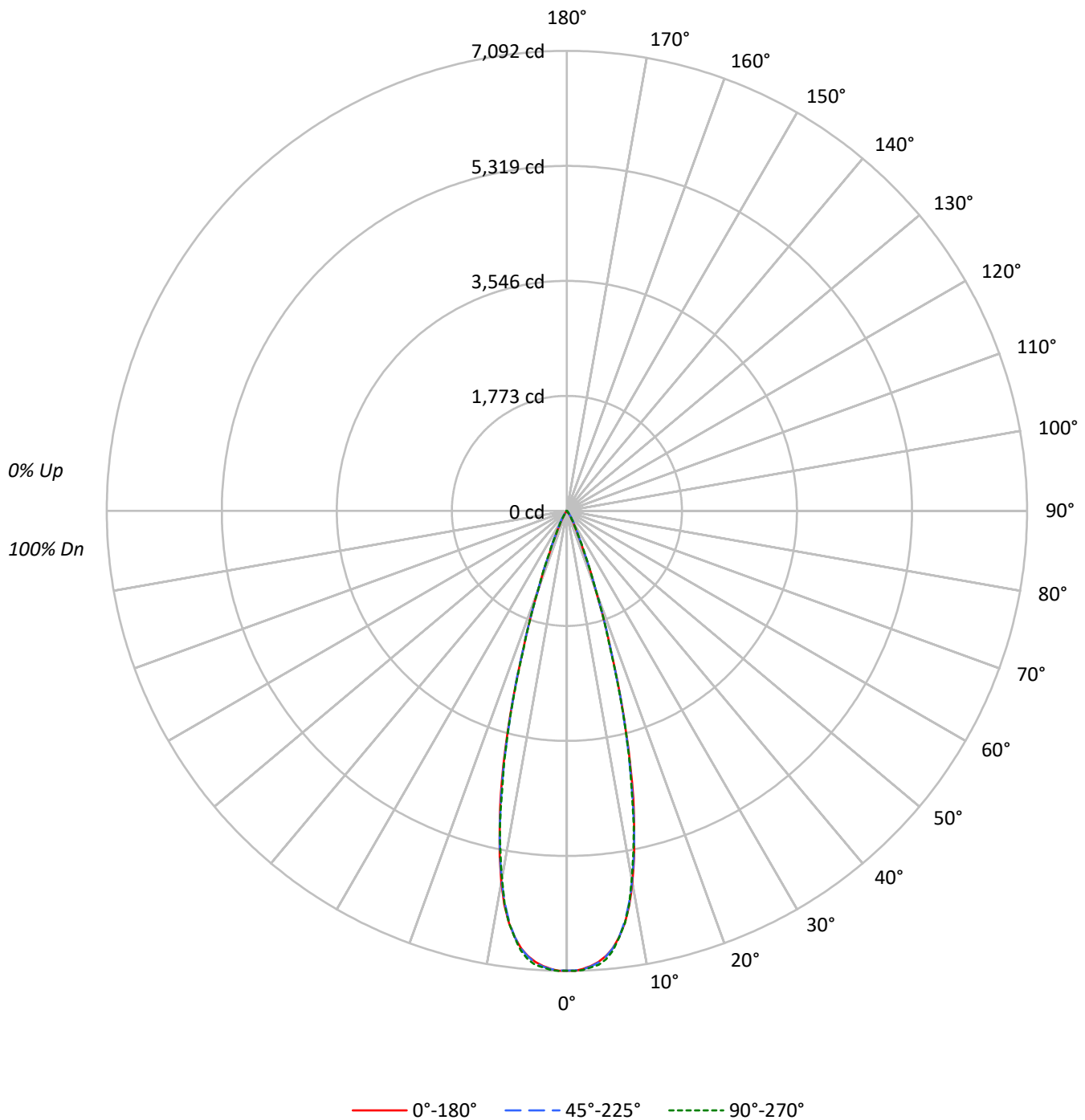
Lumens per Lamp: N/A  
Luminaire Lumens: 1829.0 lumens  
Efficiency: N/A  
Efficacy: 66.8 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99  | 99  | 97  | 96 | 95 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 95  | 94  | 95  | 94  | 92  | 91  | 90 | 89 |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 87 | 86 |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 86  | 85 | 84 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  | 87  | 85  | 82  | 87  | 84  | 82  | 81  | 80 | 79 |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 78 | 77 |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 76 | 75 |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 78  | 76  | 75  | 74 | 73 |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1220749 | 1220749 | 1220749 |
| 5°  | 1190991 | 1192461 | 1199099 |
| 10° | 1017186 | 1012465 | 1006501 |
| 15° | 627716  | 620370  | 622652  |
| 20° | 237250  | 238551  | 238276  |
| 25° | 72989   | 80020   | 76220   |
| 30° | 29412   | 37347   | 30546   |
| 35° | 8683    | 15852   | 8977    |
| 40° | 3507    | 6385    | 3507    |
| 45° | 682     | 2070    | 682     |
| 50° | 0       | 375     | 0       |
| 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: 45°

Vertical Angle: 45°

Luminance: 2070 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 625.2  | 34.2      |
| 10°-20°   | 925.6  | 50.6      |
| 20°-30°   | 229.6  | 12.6      |
| 30°-40°   | 43.1   | 2.4       |
| 40°-50°   | 5.4    | 0.3       |
| 50°-60°   | 0.0    | 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°    | 1780.4 | 97.3      |
| 0°-40°    | 1823.5 | 99.7      |
| 0°-60°    | 1829.0 | 100.0     |
| 0°-90°    | 1829.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1829.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7088 | 7088  | 7088 | 7088  | 7088 |      |
| 5°  | 6889 | 6886  | 6898 | 6909  | 6936 | 626  |
| 15° | 3521 | 3486  | 3479 | 3506  | 3492 | 930  |
| 25° | 384  | 410   | 421  | 420   | 401  | 221  |
| 35° | 41   | 54    | 75   | 56    | 43   | 35   |
| 45° | 3    | 4     | 8    | 6     | 3    | 3    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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°    | 7088.2 | 7088.2 | 7088.2 | 7088.2 | 7088.2 |
| 1°    | 7091.1 | 7085.4 | 7085.4 | 7076.9 | 7092.5 |
| 2°    | 7065.5 | 7059.8 | 7069.7 | 7062.6 | 7082.5 |
| 3°    | 7027.1 | 7020.0 | 7034.2 | 7038.4 | 7048.4 |
| 4°    | 6970.2 | 6964.5 | 6980.1 | 6988.7 | 7015.7 |
| 5°    | 6889.1 | 6886.2 | 6897.6 | 6909.0 | 6936.0 |
| 6°    | 6778.1 | 6773.9 | 6781.0 | 6795.2 | 6812.3 |
| 7°    | 6617.4 | 6608.9 | 6614.5 | 6617.4 | 6621.7 |
| 8°    | 6414.0 | 6401.2 | 6394.1 | 6409.7 | 6418.2 |
| 9°    | 6152.2 | 6138.0 | 6122.4 | 6116.7 | 6136.6 |
| 10°   | 5816.5 | 5795.2 | 5789.5 | 5775.3 | 5755.4 |
| 11°   | 5426.8 | 5409.7 | 5405.4 | 5379.8 | 5368.5 |
| 12°   | 4980.1 | 4971.6 | 4981.5 | 4965.9 | 4960.2 |
| 13°   | 4551.9 | 4497.9 | 4490.8 | 4460.9 | 4445.3 |
| 14°   | 4045.5 | 3995.8 | 3994.3 | 3978.7 | 4000.0 |
| 15°   | 3520.6 | 3486.5 | 3479.4 | 3506.4 | 3492.2 |
| 17.5° | 2244.7 | 2267.4 | 2261.7 | 2247.5 | 2223.3 |
| 20°   | 1294.5 | 1278.8 | 1301.6 | 1307.3 | 1300.1 |
| 22.5° | 689.9  | 695.6  | 699.9  | 716.9  | 728.3  |
| 25°   | 384.1  | 409.7  | 421.1  | 419.6  | 401.1  |
| 27.5° | 239.0  | 254.6  | 276.0  | 261.7  | 246.1  |
| 30°   | 147.9  | 160.7  | 187.8  | 162.2  | 153.6  |
| 32.5° | 79.7   | 101.0  | 120.9  | 101.0  | 82.5   |
| 35°   | 41.3   | 54.1   | 75.4   | 55.5   | 42.7   |
| 37.5° | 27.0   | 31.3   | 48.4   | 31.3   | 27.0   |
| 40°   | 15.6   | 19.9   | 28.4   | 19.9   | 15.6   |
| 42.5° | 7.1    | 11.4   | 15.6   | 11.4   | 7.1    |
| 45°   | 2.8    | 4.3    | 8.5    | 5.7    | 2.8    |
| 47.5° | 0.0    | 1.4    | 4.3    | 1.4    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.4    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)