

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: P1306231

Luminaire Tested: P3SQAS20R309024D010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306231  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R309024D010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

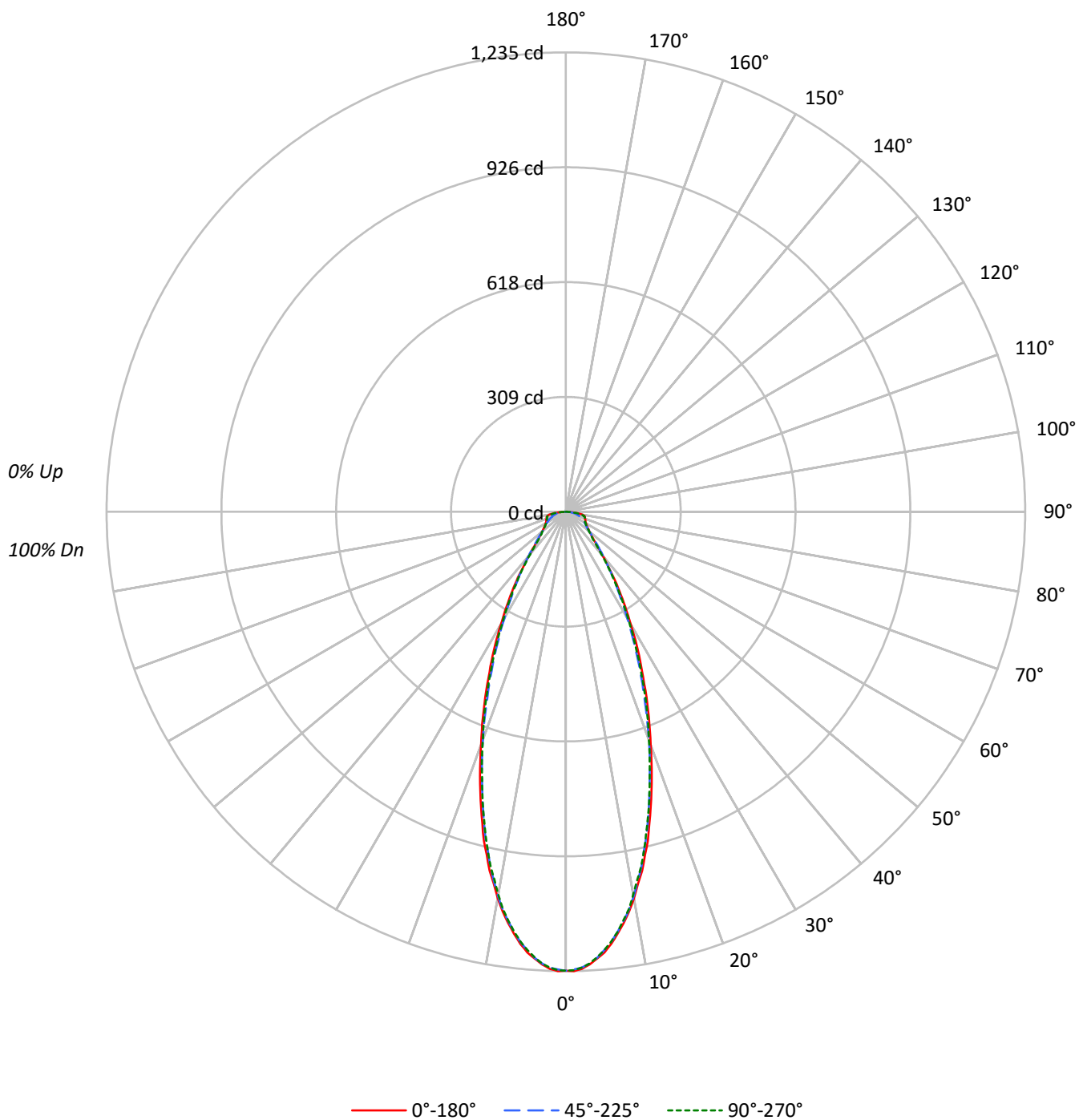
Lumens per Lamp: N/A  
Luminaire Lumens: 973.0 lumens  
Efficiency: N/A  
Efficacy: 33.8 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 99  | 96  |  | 97  | 95  | 93  |  | 94  |
| 2   | 104 | 98  | 92  | 88  | 102 | 96  | 91  | 87  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 86  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  |  | 83  | 78  | 75  |  | 80  |
| 4   | 92  | 82  | 76  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  |  | 77  | 72  | 68  |  | 75  |
| 5   | 86  | 76  | 69  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  |  | 72  | 67  | 63  |  | 70  |
| 6   | 82  | 71  | 64  | 59  | 80  | 70  | 64  | 59  | 69  | 63  | 59  |  | 67  | 62  | 58  |  | 66  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 60  | 55  | 65  | 59  | 55  |  | 63  | 58  | 54  |  | 62  |
| 8   | 74  | 63  | 56  | 51  | 72  | 62  | 56  | 51  | 61  | 55  | 51  |  | 60  | 55  | 51  |  | 59  |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  |  | 57  | 51  | 48  |  | 56  |
| 10  | 67  | 56  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  |  | 54  | 49  | 45  |  | 53  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 212506 | 212506 | 212506 |
| 5°  | 205589 | 204552 | 204552 |
| 10° | 184498 | 183466 | 182679 |
| 15° | 154638 | 152249 | 151981 |
| 20° | 122080 | 119624 | 119624 |
| 25° | 93455  | 89769  | 91460  |
| 30° | 69344  | 65785  | 67276  |
| 35° | 50122  | 47936  | 48251  |
| 40° | 34510  | 35184  | 33498  |
| 45° | 25769  | 26865  | 24673  |
| 50° | 22345  | 21970  | 21970  |
| 55° | 21018  | 20148  | 20568  |
| 60° | 21562  | 20012  | 21046  |
| 65° | 23677  | 20050  | 23065  |
| 70° | 27745  | 20243  | 26990  |
| 75° | 35666  | 21826  | 34735  |
| 80° | 44333  | 23605  | 41358  |
| 85° | 35371  | 23515  | 32407  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 44333 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 108.8  | 11.2      |
| 10°-20°   | 236.6  | 24.3      |
| 20°-30°   | 220.4  | 22.7      |
| 30°-40°   | 146.3  | 15.0      |
| 40°-50°   | 85.2   | 8.8       |
| 50°-60°   | 62.0   | 6.4       |
| 60°-70°   | 52.4   | 5.4       |
| 70°-80°   | 43.4   | 4.5       |
| 80°-90°   | 18.0   | 1.9       |
| 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°    | 565.8  | 58.2      |
| 0°-40°    | 712.1  | 73.2      |
| 0°-60°    | 859.2  | 88.3      |
| 0°-90°    | 973.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 973.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1234 | 1234  | 1234 | 1234  | 1234 |      |
| 5°  | 1189 | 1188  | 1183 | 1183  | 1183 | 109  |
| 15° | 867  | 858   | 854  | 852   | 852  | 240  |
| 25° | 492  | 483   | 472  | 474   | 481  | 227  |
| 35° | 238  | 234   | 228  | 230   | 230  | 150  |
| 45° | 106  | 107   | 110  | 104   | 101  | 85   |
| 55° | 70   | 68    | 67   | 68    | 68   | 64   |
| 65° | 58   | 52    | 49   | 52    | 57   | 58   |
| 75° | 54   | 40    | 33   | 40    | 52   | 55   |
| 85° | 18   | 21    | 12   | 19    | 16   | 21   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1233.9 | 1233.9 | 1233.9 | 1233.9 | 1233.9 |
| 1°    | 1235.4 | 1233.9 | 1230.9 | 1232.4 | 1232.4 |
| 2°    | 1229.4 | 1227.9 | 1226.4 | 1226.4 | 1226.4 |
| 3°    | 1219.0 | 1217.5 | 1216.0 | 1216.0 | 1216.0 |
| 4°    | 1204.1 | 1202.6 | 1202.6 | 1201.1 | 1201.1 |
| 5°    | 1189.2 | 1187.7 | 1183.2 | 1183.2 | 1183.2 |
| 6°    | 1168.3 | 1166.8 | 1163.8 | 1162.3 | 1162.3 |
| 7°    | 1143.0 | 1143.0 | 1138.5 | 1137.0 | 1138.5 |
| 8°    | 1116.1 | 1114.7 | 1111.7 | 1110.2 | 1110.2 |
| 9°    | 1087.8 | 1083.4 | 1083.4 | 1078.9 | 1081.9 |
| 10°   | 1055.0 | 1052.1 | 1049.1 | 1046.1 | 1044.6 |
| 11°   | 1017.8 | 1016.3 | 1011.8 | 1008.8 | 1007.4 |
| 12°   | 986.5  | 979.0  | 976.1  | 971.6  | 974.6  |
| 13°   | 946.3  | 941.8  | 934.3  | 932.8  | 934.3  |
| 14°   | 912.0  | 903.0  | 897.1  | 894.1  | 892.6  |
| 15°   | 867.3  | 858.3  | 853.9  | 852.4  | 852.4  |
| 17.5° | 767.4  | 761.5  | 749.6  | 749.6  | 749.6  |
| 20°   | 666.1  | 660.1  | 652.7  | 651.2  | 652.7  |
| 22.5° | 578.2  | 567.8  | 555.8  | 557.3  | 566.3  |
| 25°   | 491.8  | 482.8  | 472.4  | 473.9  | 481.3  |
| 27.5° | 418.7  | 406.8  | 396.4  | 399.4  | 403.8  |
| 30°   | 348.7  | 341.3  | 330.8  | 333.8  | 338.3  |
| 32.5° | 289.1  | 284.6  | 272.7  | 275.7  | 280.2  |
| 35°   | 238.4  | 234.0  | 228.0  | 229.5  | 229.5  |
| 37.5° | 190.7  | 190.7  | 189.3  | 187.8  | 186.3  |
| 40°   | 153.5  | 156.5  | 156.5  | 152.0  | 149.0  |
| 42.5° | 125.2  | 128.2  | 131.1  | 125.2  | 120.7  |
| 45°   | 105.8  | 107.3  | 110.3  | 104.3  | 101.3  |
| 47.5° | 92.4   | 92.4   | 95.4   | 90.9   | 89.4   |
| 50°   | 83.4   | 83.4   | 82.0   | 80.5   | 82.0   |
| 52.5° | 76.0   | 74.5   | 73.0   | 74.5   | 74.5   |
| 55°   | 70.0   | 68.5   | 67.1   | 68.5   | 68.5   |
| 57.5° | 65.6   | 64.1   | 62.6   | 62.6   | 64.1   |
| 60°   | 62.6   | 59.6   | 58.1   | 59.6   | 61.1   |
| 62.5° | 59.6   | 55.1   | 53.6   | 55.1   | 58.1   |
| 65°   | 58.1   | 52.2   | 49.2   | 52.2   | 56.6   |
| 67.5° | 56.6   | 49.2   | 44.7   | 49.2   | 55.1   |
| 70°   | 55.1   | 46.2   | 40.2   | 46.2   | 53.6   |
| 72.5° | 53.6   | 43.2   | 37.3   | 43.2   | 53.6   |
| 75°   | 53.6   | 40.2   | 32.8   | 40.2   | 52.2   |
| 77.5° | 50.7   | 37.3   | 28.3   | 37.3   | 49.2   |
| 80°   | 44.7   | 34.3   | 23.8   | 32.8   | 41.7   |
| 82.5° | 32.8   | 29.8   | 17.9   | 28.3   | 31.3   |
| 85°   | 17.9   | 20.9   | 11.9   | 19.4   | 16.4   |
| 87.5° | 3.0    | 4.5    | 3.0    | 8.9    | 6.0    |



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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)