

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: P1314276

Luminaire Tested: P3SQAS09R559735DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314276  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R559735DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

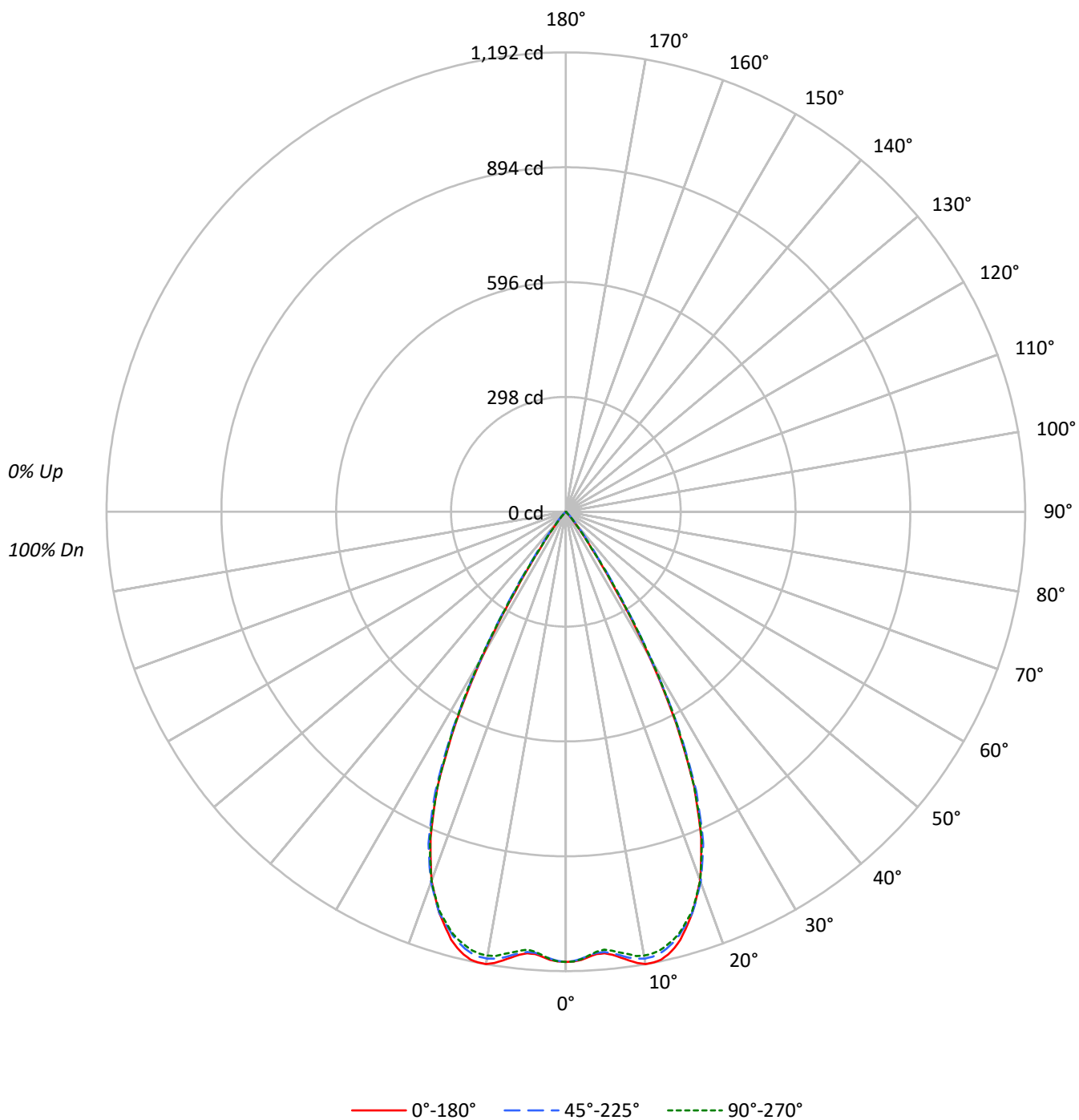
Lumens per Lamp: N/A  
Luminaire Lumens: 888.0 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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: P1314276

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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 | 102 | 102 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 91  | 91  | 89  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  | 92  | 90  | 87  | 90  | 88  | 86  | 86  | 86  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 81  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  | 84  | 80  | 77  | 82  | 79  | 77  | 77  | 77  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  | 80  | 76  | 73  | 79  | 75  | 73  | 73  | 73  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 72  | 69  | 69  | 69  | 67  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 65  | 65  | 64  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  | 69  | 65  | 62  | 69  | 65  | 62  | 62  | 62  | 61  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 59  | 66  | 62  | 59  | 59  | 59  | 58  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 201156 | 201156 | 201156 |
| 5°  | 198864 | 198277 | 197222 |
| 10° | 208439 | 205938 | 204504 |
| 15° | 204971 | 202778 | 202065 |
| 20° | 186703 | 187454 | 186831 |
| 25° | 149779 | 152116 | 149779 |
| 30° | 85970  | 88137  | 88813  |
| 35° | 24515  | 29539  | 25229  |
| 40° | 6295   | 9038   | 6430   |
| 45° | 658    | 3166   | 487    |
| 50° | 0      | 536    | 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: 3166 cd/sqm

TEST NUMBER: P1314276

CATALOG NUMBER: P3SQAS09R559735DE010 E3SQCD1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 110.9  | 12.5      |
| 10°-20°   | 316.5  | 35.6      |
| 20°-30°   | 348.6  | 39.3      |
| 30°-40°   | 104.1  | 11.7      |
| 40°-50°   | 8.0    | 0.9       |
| 50°-60°   | 0.1    | 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°    | 775.9  | 87.4      |
| 0°-40°    | 880.0  | 99.1      |
| 0°-60°    | 888.0  | 100.0     |
| 0°-90°    | 888.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 888.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1168 | 1168  | 1168 | 1168  | 1168 |      |
| 5°  | 1150 | 1148  | 1147 | 1142  | 1141 | 112  |
| 15° | 1150 | 1141  | 1137 | 1133  | 1133 | 319  |
| 25° | 788  | 788   | 800  | 799   | 788  | 345  |
| 35° | 117  | 124   | 140  | 128   | 120  | 96   |
| 45° | 3    | 7     | 13   | 7     | 2    | 5    |
| 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    |      |

TEST NUMBER: P1314276

CATALOG NUMBER: P3SQAS09R559735DE010 E3SQCD1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1168.0 | 1168.0 | 1168.0 | 1168.0 | 1168.0 |
| 1°    | 1167.3 | 1167.3 | 1166.0 | 1165.3 | 1167.3 |
| 2°    | 1163.9 | 1163.9 | 1160.5 | 1159.8 | 1161.9 |
| 3°    | 1156.4 | 1155.8 | 1153.0 | 1151.0 | 1152.3 |
| 4°    | 1150.3 | 1148.9 | 1146.9 | 1143.5 | 1144.2 |
| 5°    | 1150.3 | 1148.3 | 1146.9 | 1142.1 | 1140.8 |
| 6°    | 1155.8 | 1154.4 | 1151.7 | 1146.9 | 1145.5 |
| 7°    | 1165.3 | 1162.6 | 1159.8 | 1153.7 | 1152.3 |
| 8°    | 1175.5 | 1173.5 | 1168.0 | 1161.9 | 1159.2 |
| 9°    | 1185.8 | 1181.0 | 1174.2 | 1168.0 | 1167.3 |
| 10°   | 1191.9 | 1185.1 | 1177.6 | 1170.1 | 1169.4 |
| 11°   | 1191.2 | 1185.1 | 1176.2 | 1169.4 | 1168.7 |
| 12°   | 1188.5 | 1179.6 | 1172.1 | 1163.9 | 1164.6 |
| 13°   | 1178.9 | 1170.8 | 1163.3 | 1157.1 | 1155.8 |
| 14°   | 1166.0 | 1158.5 | 1151.7 | 1145.5 | 1146.2 |
| 15°   | 1149.6 | 1141.4 | 1137.3 | 1132.6 | 1133.3 |
| 17.5° | 1091.7 | 1089.6 | 1091.7 | 1086.2 | 1088.2 |
| 20°   | 1018.7 | 1016.7 | 1022.8 | 1020.1 | 1019.4 |
| 22.5° | 917.1  | 919.8  | 931.4  | 928.0  | 921.9  |
| 25°   | 788.2  | 788.2  | 800.5  | 799.1  | 788.2  |
| 27.5° | 620.5  | 625.3  | 632.8  | 636.2  | 628.0  |
| 30°   | 432.3  | 443.2  | 443.2  | 450.0  | 446.6  |
| 32.5° | 241.4  | 264.6  | 270.0  | 273.4  | 259.8  |
| 35°   | 116.6  | 124.1  | 140.5  | 128.2  | 120.0  |
| 37.5° | 55.9   | 59.3   | 75.7   | 61.4   | 57.3   |
| 40°   | 28.0   | 32.0   | 40.2   | 33.4   | 28.6   |
| 42.5° | 11.6   | 17.0   | 21.1   | 17.0   | 11.6   |
| 45°   | 2.7    | 6.8    | 13.0   | 6.8    | 2.0    |
| 47.5° | 0.0    | 0.7    | 6.1    | 1.4    | 0.0    |
| 50°   | 0.0    | 0.0    | 2.0    | 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)