

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: P1309197

Luminaire Tested: P3SQAS13R609035DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309197  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R609035DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

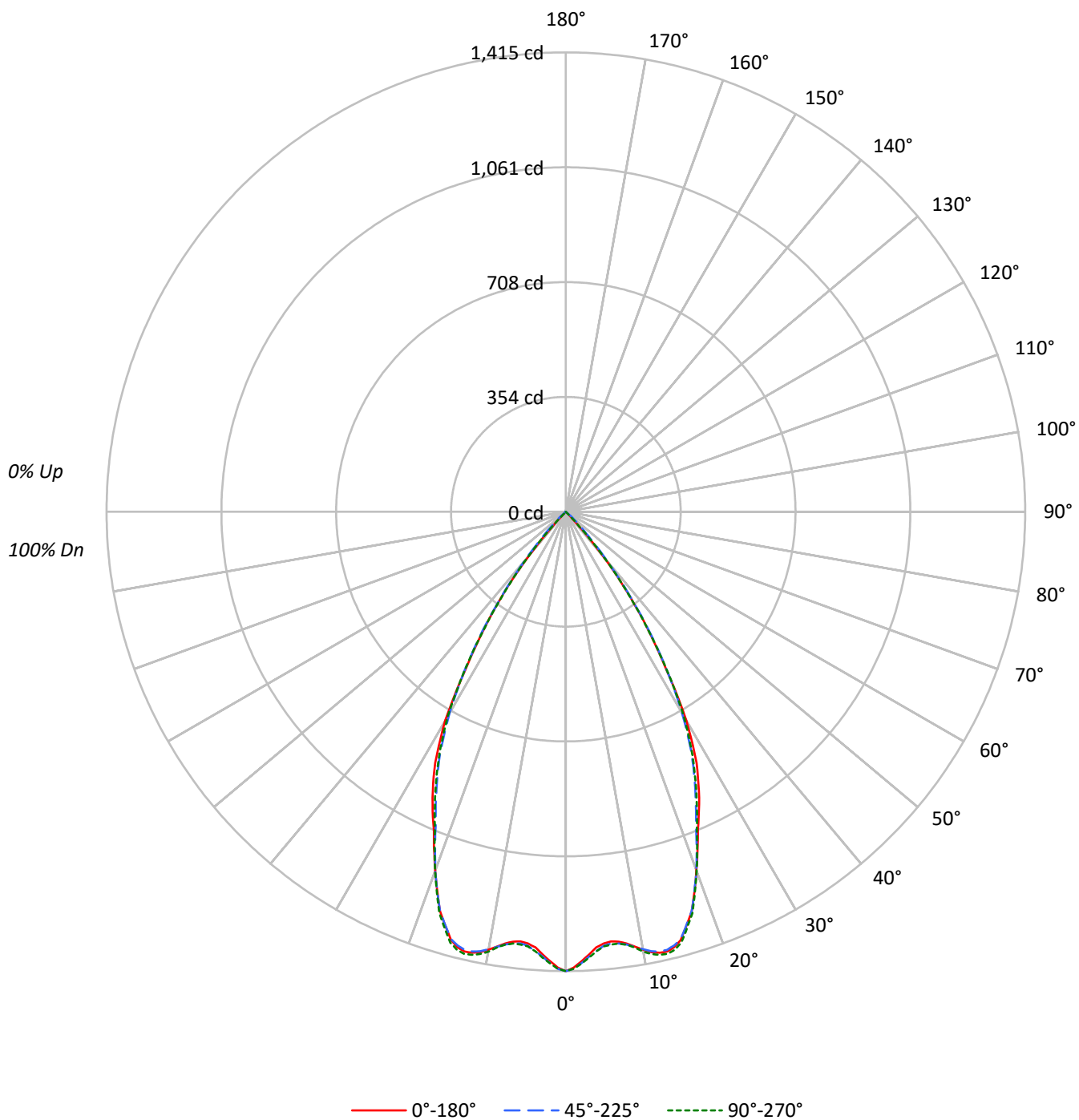
Lumens per Lamp: N/A  
Luminaire Lumens: 1254.0 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1309197

CATALOG NUMBER: P3SQAS13R609035DE010 E3SQCD1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1309197

CATALOG NUMBER: P3SQAS13R609035DE010 E3SQCD1MMS

**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 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 94  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  | 96  | 93  | 91  | 93  | 91  | 89  | 88  | 88  | 88  |
| 3   | 103 | 97  | 92  | 88  | 101 | 96  | 91  | 88  | 93  | 89  | 86  | 91  | 88  | 85  | 88  | 86  | 84  | 82  | 82  | 82  |
| 4   | 98  | 91  | 86  | 81  | 96  | 90  | 85  | 81  | 88  | 83  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 77  | 77  | 77  |
| 5   | 93  | 85  | 80  | 76  | 92  | 84  | 79  | 75  | 83  | 78  | 75  | 81  | 77  | 74  | 79  | 76  | 73  | 72  | 72  | 72  |
| 6   | 89  | 80  | 74  | 70  | 87  | 79  | 74  | 70  | 78  | 73  | 70  | 77  | 72  | 69  | 75  | 72  | 69  | 67  | 67  | 67  |
| 7   | 85  | 76  | 70  | 66  | 83  | 75  | 69  | 65  | 74  | 69  | 65  | 72  | 68  | 65  | 71  | 67  | 64  | 63  | 63  | 63  |
| 8   | 81  | 71  | 66  | 62  | 79  | 71  | 65  | 61  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 61  | 59  | 59  | 59  |
| 9   | 77  | 67  | 62  | 58  | 76  | 67  | 61  | 58  | 66  | 61  | 57  | 65  | 61  | 57  | 64  | 60  | 57  | 56  | 56  | 56  |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 54  | 53  | 53  | 53  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 243695 | 243695 | 243695 |
| 5°  | 230795 | 232006 | 232351 |
| 10° | 239585 | 239235 | 240634 |
| 15° | 243555 | 243198 | 244981 |
| 20° | 215532 | 215532 | 215899 |
| 25° | 184706 | 179195 | 180715 |
| 30° | 147757 | 142388 | 144575 |
| 35° | 91667  | 93559  | 91457  |
| 40° | 40243  | 44290  | 41367  |
| 45° | 487    | 14370  | 1218   |
| 50° | 0      | 1608   | 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: 14370 cd/sqm

TEST NUMBER: P1309197

CATALOG NUMBER: P3SQAS13R609035DE010 E3SQCD1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 129.2  | 10.3      |
| 10°-20°   | 374.6  | 29.9      |
| 20°-30°   | 434.9  | 34.7      |
| 30°-40°   | 273.9  | 21.8      |
| 40°-50°   | 41.1   | 3.3       |
| 50°-60°   | 0.2    | 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°    | 938.8  | 74.9      |
| 0°-40°    | 1212.6 | 96.7      |
| 0°-60°    | 1254.0 | 100.0     |
| 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°  | 1415 | 1415  | 1415 | 1415  | 1415 |      |
| 5°  | 1335 | 1340  | 1342 | 1345  | 1344 | 129  |
| 15° | 1366 | 1361  | 1364 | 1373  | 1374 | 374  |
| 25° | 972  | 961   | 943  | 947   | 951  | 442  |
| 35° | 436  | 437   | 445  | 436   | 435  | 272  |
| 45° | 2    | 19    | 59   | 25    | 5    | 27   |
| 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: P1309197

CATALOG NUMBER: P3SQAS13R609035DE010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°   | 22.5° | 45°  | 67.5° | 90°  |
|-------|------|-------|------|-------|------|
| 0°    | 1415 | 1415  | 1415 | 1415  | 1415 |
| 1°    | 1404 | 1408  | 1408 | 1409  | 1408 |
| 2°    | 1385 | 1391  | 1391 | 1394  | 1392 |
| 3°    | 1366 | 1371  | 1372 | 1376  | 1375 |
| 4°    | 1345 | 1353  | 1356 | 1358  | 1357 |
| 5°    | 1335 | 1340  | 1342 | 1345  | 1344 |
| 6°    | 1331 | 1335  | 1337 | 1340  | 1340 |
| 7°    | 1334 | 1337  | 1340 | 1342  | 1340 |
| 8°    | 1343 | 1346  | 1346 | 1350  | 1347 |
| 9°    | 1356 | 1357  | 1357 | 1362  | 1359 |
| 10°   | 1370 | 1368  | 1368 | 1375  | 1376 |
| 11°   | 1382 | 1380  | 1379 | 1386  | 1388 |
| 12°   | 1389 | 1385  | 1385 | 1394  | 1395 |
| 13°   | 1390 | 1385  | 1385 | 1394  | 1397 |
| 14°   | 1382 | 1376  | 1377 | 1387  | 1390 |
| 15°   | 1366 | 1361  | 1364 | 1373  | 1374 |
| 17.5° | 1290 | 1287  | 1289 | 1295  | 1296 |
| 20°   | 1176 | 1174  | 1176 | 1176  | 1178 |
| 22.5° | 1063 | 1058  | 1048 | 1054  | 1055 |
| 25°   | 972  | 961   | 943  | 947   | 951  |
| 27.5° | 872  | 858   | 839  | 844   | 845  |
| 30°   | 743  | 736   | 716  | 721   | 727  |
| 32.5° | 574  | 593   | 581  | 580   | 581  |
| 35°   | 436  | 437   | 445  | 436   | 435  |
| 37.5° | 305  | 306   | 312  | 302   | 303  |
| 40°   | 179  | 192   | 197  | 193   | 184  |
| 42.5° | 56   | 99    | 112  | 97    | 62   |
| 45°   | 2    | 19    | 59   | 25    | 5    |
| 47.5° | 0    | 1     | 28   | 2     | 0    |
| 50°   | 0    | 0     | 6    | 0     | 0    |
| 52.5° | 0    | 0     | 1    | 0     | 0    |
| 55°   | 0    | 0     | 0    | 0     | 0    |
| 57.5° | 0    | 0     | 0    | 0     | 0    |
| 60°   | 0    | 0     | 0    | 0     | 0    |
| 62.5° | 0    | 0     | 0    | 0     | 0    |
| 65°   | 0    | 0     | 0    | 0     | 0    |
| 67.5° | 0    | 0     | 0    | 0     | 0    |
| 70°   | 0    | 0     | 0    | 0     | 0    |
| 72.5° | 0    | 0     | 0    | 0     | 0    |
| 75°   | 0    | 0     | 0    | 0     | 0    |
| 77.5° | 0    | 0     | 0    | 0     | 0    |
| 80°   | 0    | 0     | 0    | 0     | 0    |
| 82.5° | 0    | 0     | 0    | 0     | 0    |
| 85°   | 0    | 0     | 0    | 0     | 0    |
| 87.5° | 0    | 0     | 0    | 0     | 0    |



TEST NUMBER: P1309197

CATALOG NUMBER: P3SQAS13R609035DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

|     | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|----|-------|-----|-------|-----|
| 90° | 0  | 0     | 0   | 0     | 0   |

(END OF REPORT)