

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: P1313381

Luminaire Tested: P3SQAS13R209730DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209730DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

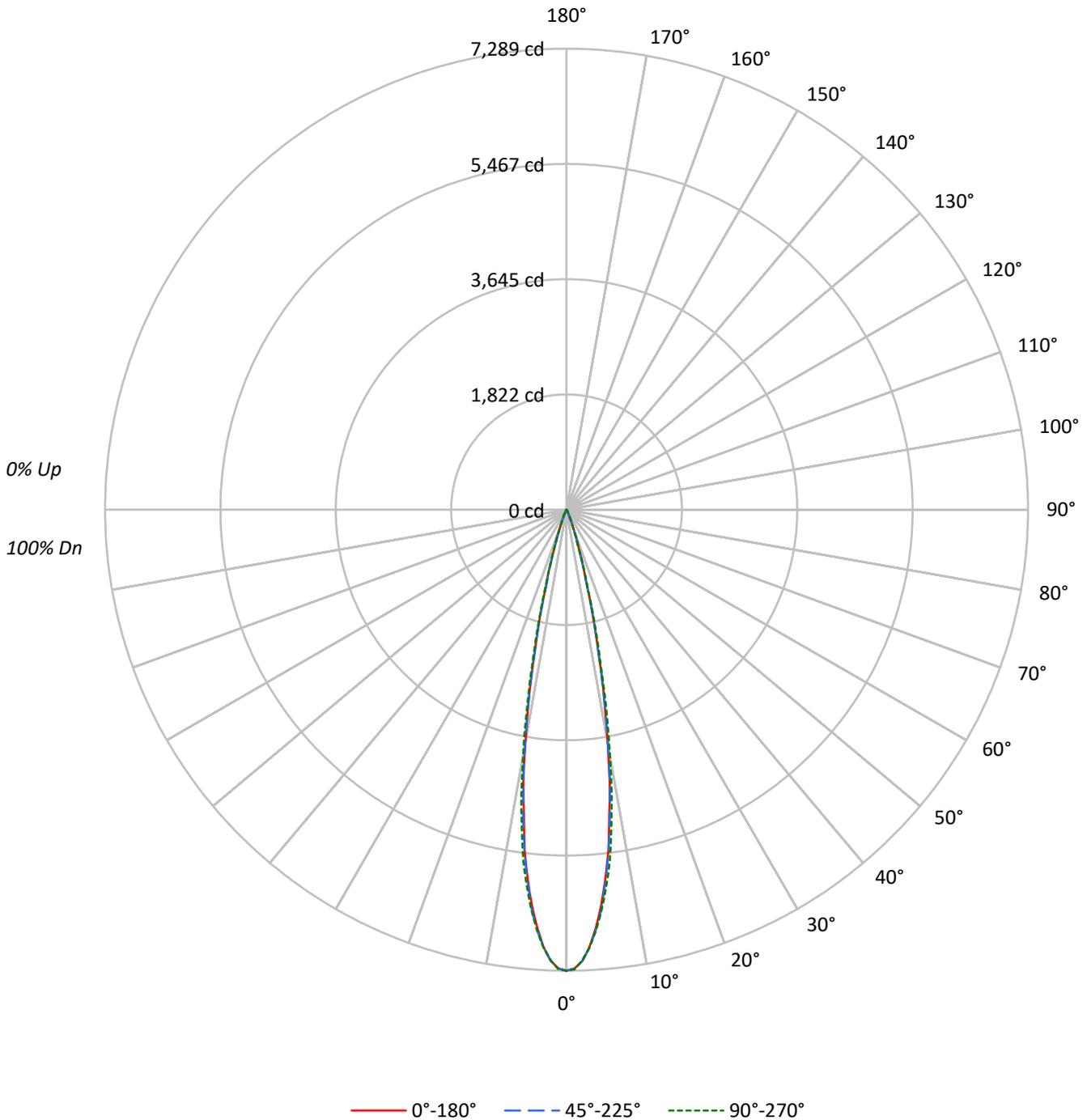
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 979.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
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 (A_{in}): 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: P1313381
CATALOG NUMBER: P3SQAS13R209730DE010 E3SQPH1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1313381
 CATALOG NUMBER: P3SQAS13R209730DE010 E3SQPH1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 100 | 98 |
| 2 | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99 | 99 | 98 | 97 | 97 | 98 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98 | 100 | 98 | 97 | 98 | 96 | 95 | 95 | 98 | 96 | 94 |
| 4 | 107 | 103 | 99 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 95 | 93 | 96 | 95 | 93 | 92 |
| 5 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 92 | 95 | 93 | 92 | 91 |
| 6 | 103 | 98 | 94 | 92 | 102 | 97 | 94 | 91 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 90 | 93 | 91 | 90 | 89 |
| 7 | 101 | 95 | 92 | 90 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 89 | 92 | 90 | 88 | 92 | 90 | 88 | 87 |
| 8 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 91 | 88 | 87 | 86 |
| 9 | 97 | 92 | 88 | 86 | 96 | 91 | 88 | 86 | 91 | 88 | 86 | 90 | 87 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 85 |
| 10 | 95 | 90 | 87 | 85 | 95 | 90 | 87 | 85 | 89 | 86 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 83 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1255314 | 1255314 | 1255314 |
| 5° | 1084445 | 1094558 | 1098621 |
| 10° | 652825 | 658928 | 691718 |
| 15° | 225797 | 220519 | 238081 |
| 20° | 59308 | 55789 | 55954 |
| 25° | 12922 | 15582 | 17729 |
| 30° | 5548 | 5548 | 5727 |
| 35° | 3112 | 2754 | 2943 |
| 40° | 1371 | 1574 | 1754 |
| 45° | 414 | 633 | 633 |
| 50° | 241 | 241 | 241 |
| 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: 22.5°
 Vertical Angle: 45°
 Luminance: 633 cd/sqm



TEST NUMBER: P1313381

CATALOG NUMBER: P3SQAS13R209730DE010 E3SQPH1MMS

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 521.3 | 53.3 |
| 10°-20° | 396.9 | 40.5 |
| 20°-30° | 49.1 | 5.0 |
| 30°-40° | 9.3 | 0.9 |
| 40°-50° | 2.2 | 0.2 |
| 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 |
| 0°-30° | 967.3 | 98.8 |
| 0°-40° | 976.6 | 99.8 |
| 0°-60° | 979.0 | 100.0 |
| 0°-90° | 979.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 979.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 7289 | 7289 | 7289 | 7289 | 7289 | |
| 5° | 6273 | 6268 | 6331 | 6327 | 6355 | 517 |
| 15° | 1266 | 1221 | 1237 | 1311 | 1335 | 397 |
| 25° | 68 | 78 | 82 | 86 | 93 | 47 |
| 35° | 15 | 15 | 13 | 14 | 14 | 10 |
| 45° | 2 | 3 | 3 | 3 | 3 | 2 |
| 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 | 0 |



TEST NUMBER: P1313381

CATALOG NUMBER: P3SQAS13R209730DE010 E3SQPH1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 7288.9 | 7288.9 | 7288.9 | 7288.9 | 7288.9 |
| 1° | 7254.9 | 7246.2 | 7253.2 | 7238.4 | 7268.9 |
| 2° | 7138.9 | 7130.2 | 7130.2 | 7121.5 | 7125.8 |
| 3° | 6922.6 | 6936.6 | 6927.9 | 6909.5 | 6933.1 |
| 4° | 6627.8 | 6643.5 | 6657.5 | 6658.3 | 6661.8 |
| 5° | 6272.8 | 6268.5 | 6331.3 | 6326.9 | 6354.8 |
| 6° | 5868.1 | 5862.9 | 5889.9 | 5935.3 | 5991.1 |
| 7° | 5423.3 | 5359.6 | 5432.0 | 5523.6 | 5598.6 |
| 8° | 4847.7 | 4864.2 | 4914.0 | 5022.1 | 5082.3 |
| 9° | 4359.2 | 4262.4 | 4368.0 | 4497.0 | 4562.5 |
| 10° | 3733.0 | 3654.5 | 3767.9 | 3903.9 | 3955.4 |
| 12.5° | 2349.7 | 2281.7 | 2318.3 | 2461.3 | 2484.0 |
| 15° | 1266.4 | 1221.1 | 1236.8 | 1310.9 | 1335.3 |
| 17.5° | 646.3 | 605.3 | 596.6 | 643.7 | 648.9 |
| 20° | 323.6 | 314.0 | 304.4 | 308.8 | 305.3 |
| 22.5° | 150.0 | 163.1 | 161.4 | 152.6 | 163.1 |
| 25° | 68.0 | 77.6 | 82.0 | 85.5 | 93.3 |
| 27.5° | 41.9 | 40.1 | 46.2 | 49.7 | 50.6 |
| 30° | 27.9 | 27.0 | 27.9 | 28.8 | 28.8 |
| 32.5° | 20.1 | 19.2 | 18.3 | 18.3 | 19.2 |
| 35° | 14.8 | 14.8 | 13.1 | 14.0 | 14.0 |
| 37.5° | 10.5 | 10.5 | 9.6 | 10.5 | 10.5 |
| 40° | 6.1 | 7.0 | 7.0 | 7.0 | 7.8 |
| 42.5° | 3.5 | 4.4 | 4.4 | 4.4 | 4.4 |
| 45° | 1.7 | 2.6 | 2.6 | 2.6 | 2.6 |
| 47.5° | 0.9 | 0.9 | 0.9 | 1.7 | 1.7 |
| 50° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 52.5° | 0.9 | 0.0 | 0.0 | 0.0 | 0.9 |
| 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 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)