

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: P1273437

Luminaire Tested: P3AS05R509830DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R509830DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

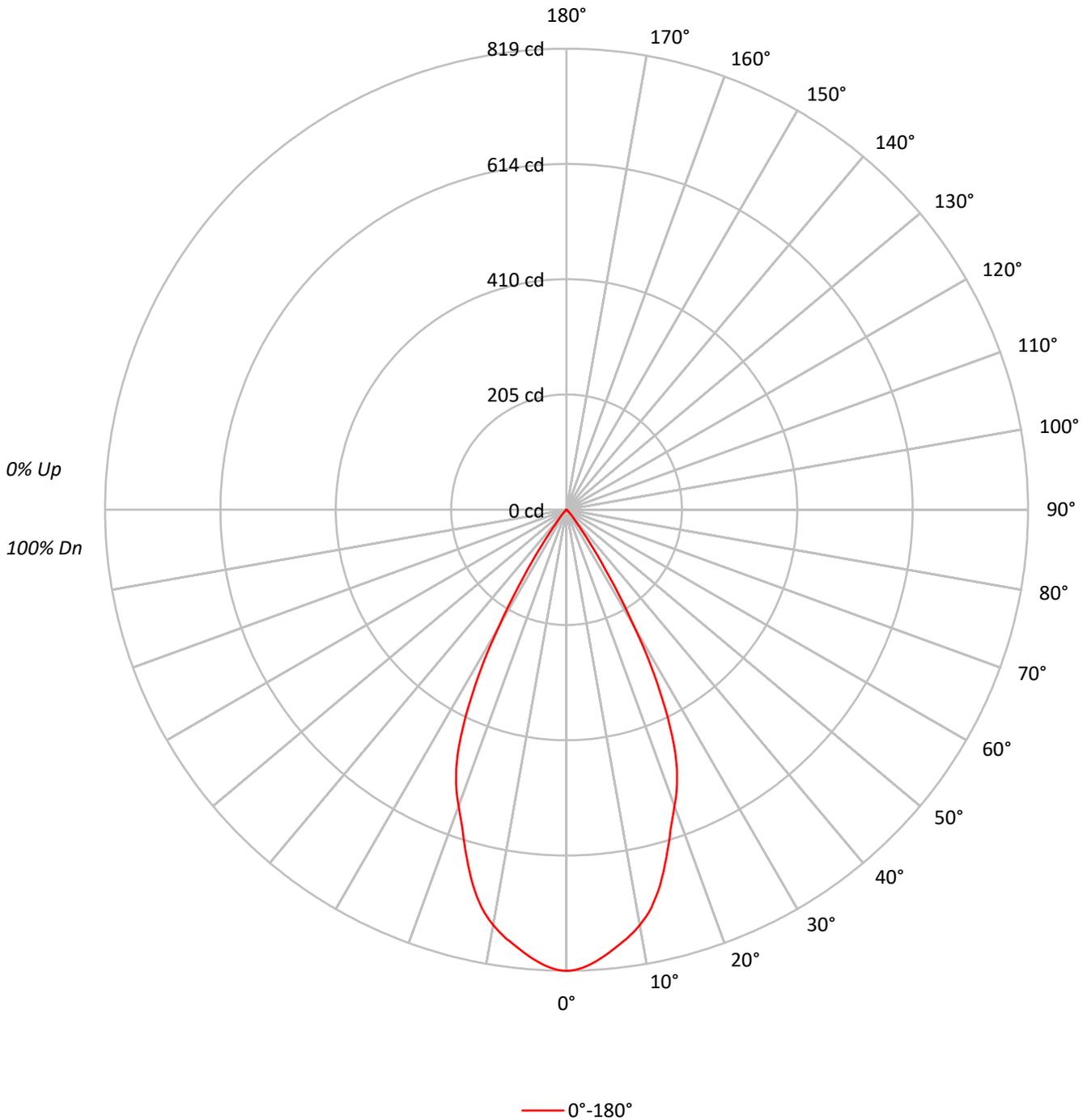
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 514.1 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1273437
CATALOG NUMBER: P3AS05R509830DE010 E3D1H

Luminous Intensity Polar Plot





TEST NUMBER: P1273437

CATALOG NUMBER: P3AS05R509830DE010 E3D1H

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 | 114 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 105 | 104 | 102 | 102 | 101 | 99 | 98 | 97 | 97 | 97 | 97 | 97 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 91 | 91 | 91 | 90 |
| 3 | 105 | 99 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 88 | 86 | 86 | 86 | 86 | 85 |
| 4 | 100 | 94 | 89 | 85 | 99 | 92 | 88 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 87 | 84 | 82 | 82 | 82 | 82 | 80 |
| 5 | 96 | 89 | 84 | 80 | 94 | 88 | 83 | 79 | 86 | 82 | 79 | 84 | 81 | 78 | 83 | 80 | 77 | 77 | 77 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 78 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 79 | 74 | 71 | 78 | 74 | 70 | 77 | 73 | 70 | 76 | 72 | 70 | 70 | 70 | 70 | 68 |
| 8 | 84 | 76 | 71 | 67 | 83 | 76 | 71 | 67 | 74 | 70 | 67 | 74 | 69 | 66 | 73 | 69 | 66 | 66 | 66 | 66 | 65 |
| 9 | 81 | 73 | 67 | 64 | 80 | 72 | 67 | 64 | 71 | 67 | 63 | 70 | 66 | 63 | 70 | 66 | 63 | 63 | 63 | 63 | 62 |
| 10 | 78 | 69 | 64 | 61 | 77 | 69 | 64 | 61 | 68 | 64 | 60 | 67 | 63 | 60 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 179613 |
| 5° | 174840 |
| 10° | 166842 |
| 15° | 151056 |
| 20° | 130678 |
| 25° | 107184 |
| 30° | 61579 |
| 35° | 19140 |
| 40° | 5153 |
| 45° | 1799 |
| 50° | 443 |
| 55° | 153 |
| 60° | 88 |
| 65° | 104 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1799 cd/sqm



TEST NUMBER: P1273437
 CATALOG NUMBER: P3AS05R509830DE010 E3D1H

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.4 | 14.5 |
| 10°-20° | 184.4 | 35.9 |
| 20°-30° | 193.8 | 37.7 |
| 30°-40° | 55.5 | 10.8 |
| 40°-50° | 5.4 | 1.1 |
| 50°-60° | 0.5 | 0.1 |
| 60°-70° | 0.2 | 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° | 452.5 | 88.0 |
| 0°-40° | 508.0 | 98.8 |
| 0°-60° | 513.9 | 100.0 |
| 0°-90° | 514.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 514.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 819 | |
| 5° | 794 | 74 |
| 15° | 665 | 184 |
| 25° | 443 | 194 |
| 35° | 72 | 55 |
| 45° | 6 | 5 |
| 55° | 0 | 0 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: P1273437
CATALOG NUMBER: P3AS05R509830DE010 E3D1H

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 819.1 |
| 1° | 817.9 |
| 2° | 814.2 |
| 3° | 809.0 |
| 4° | 801.9 |
| 5° | 794.3 |
| 6° | 786.1 |
| 7° | 777.4 |
| 8° | 769.3 |
| 9° | 759.8 |
| 10° | 749.3 |
| 11° | 737.2 |
| 12° | 723.2 |
| 13° | 705.8 |
| 14° | 686.9 |
| 15° | 665.4 |
| 16° | 642.5 |
| 17° | 620.4 |
| 18° | 597.7 |
| 19° | 577.8 |
| 20° | 560.0 |
| 21° | 543.0 |
| 22° | 523.5 |
| 23° | 501.2 |
| 24° | 475.1 |
| 25° | 443.0 |
| 26° | 408.2 |
| 27° | 369.4 |
| 28° | 330.8 |
| 29° | 289.1 |
| 30° | 243.2 |
| 31° | 200.2 |
| 32° | 160.7 |
| 32.5° | 143.4 |
| 33° | 126.0 |
| 34° | 96.7 |
| 35° | 71.5 |
| 36° | 52.4 |
| 37° | 39.0 |
| 37.5° | 33.7 |
| 38° | 29.2 |
| 39° | 22.7 |
| 40° | 18.0 |
| 42.5° | 10.2 |
| 45° | 5.8 |



TEST NUMBER: P1273437
CATALOG NUMBER: P3AS05R509830DE010 E3D1H

CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-----|
| 47.5° | 3.3 |
| 50° | 1.3 |
| 52.5° | 0.5 |
| 55° | 0.4 |
| 57.5° | 0.4 |
| 60° | 0.2 |
| 62.5° | 0.2 |
| 65° | 0.2 |
| 67.5° | 0.2 |
| 70° | 0.0 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)