

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: P1265904

Luminaire Tested: P3AS20R509730D010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509730D010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

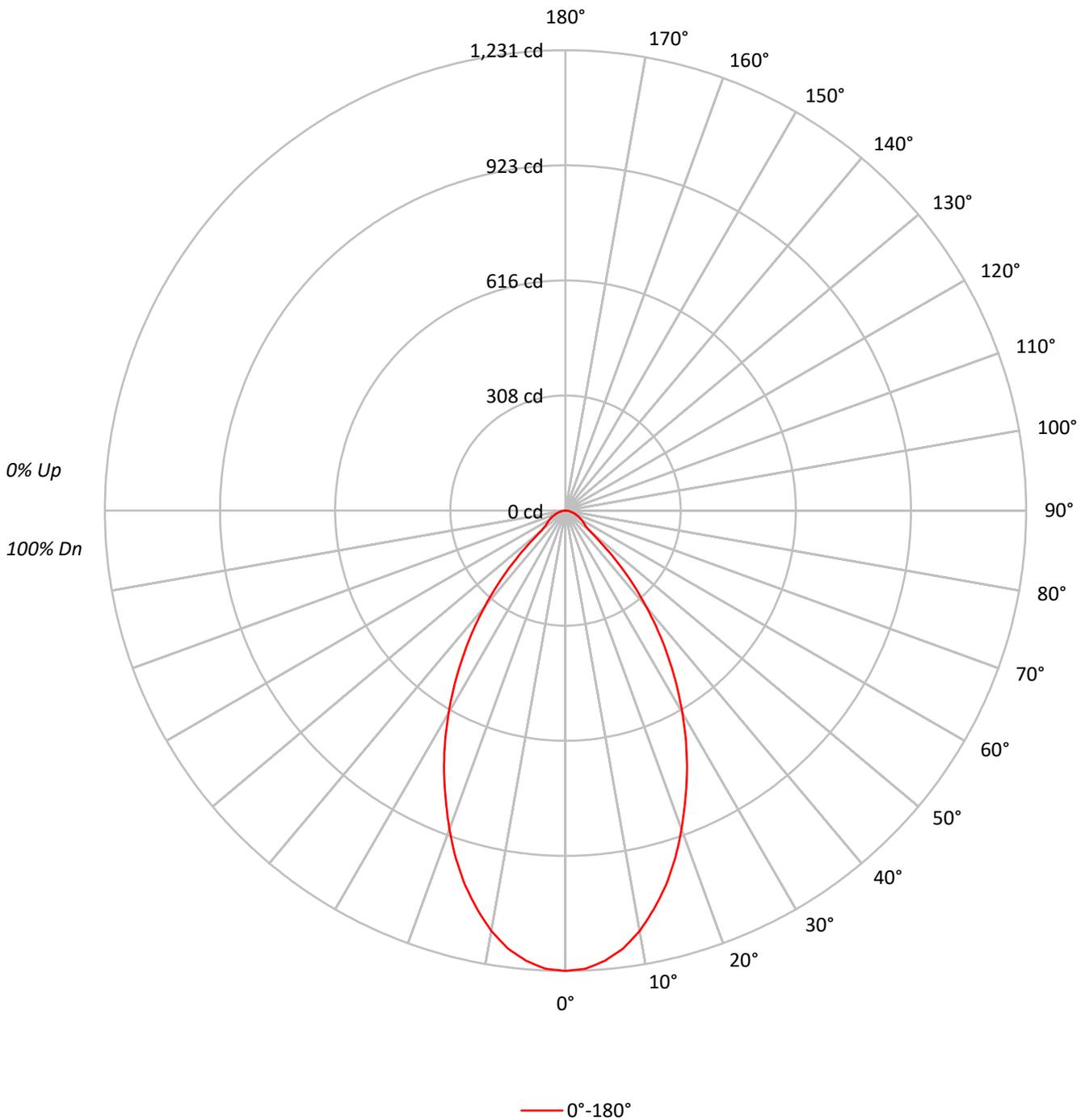
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1328.0 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 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

TEST NUMBER: P1265904
CATALOG NUMBER: P3AS20R509730D010 E3DLD1H

Luminous Intensity Polar Plot





TEST NUMBER: P1265904
 CATALOG NUMBER: P3AS20R509730D010 E3DLD1H

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 | 100 | | | 100 |
| 1 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 95 | 94 | 93 | 91 | | | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 86 | 84 | 83 | | | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 75 | | | 75 |
| 4 | 93 | 85 | 78 | 73 | 91 | 83 | 77 | 73 | 81 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 69 | | | 69 |
| 5 | 88 | 78 | 72 | 67 | 86 | 77 | 71 | 66 | 75 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 63 | | | 63 |
| 6 | 83 | 73 | 66 | 61 | 81 | 72 | 65 | 61 | 70 | 65 | 60 | 69 | 64 | 60 | 67 | 63 | 59 | 58 | | | 58 |
| 7 | 78 | 68 | 61 | 56 | 77 | 67 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 63 | 59 | 55 | 53 | | | 53 |
| 8 | 74 | 63 | 57 | 52 | 73 | 63 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 51 | 59 | 55 | 51 | 50 | | | 50 |
| 9 | 70 | 59 | 53 | 48 | 69 | 59 | 52 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 46 | | | 46 |
| 10 | 66 | 56 | 49 | 45 | 65 | 55 | 49 | 45 | 54 | 49 | 45 | 54 | 48 | 45 | 53 | 48 | 45 | 43 | | | 43 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 269869 |
| 5° | 265903 |
| 10° | 254126 |
| 15° | 235348 |
| 20° | 211512 |
| 25° | 185914 |
| 30° | 158126 |
| 35° | 128225 |
| 40° | 96323 |
| 45° | 62053 |
| 50° | 29475 |
| 55° | 23168 |
| 60° | 21928 |
| 65° | 20443 |
| 70° | 18465 |
| 75° | 16691 |
| 80° | 15280 |
| 85° | 15347 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 62053 cd/sqm



TEST NUMBER: P1265904
 CATALOG NUMBER: P3AS20R509730D010 E3DLD1H

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 113.2 | 8.5 |
| 10°-20° | 289.0 | 21.8 |
| 20°-30° | 351.2 | 26.4 |
| 30°-40° | 297.8 | 22.4 |
| 40°-50° | 154.7 | 11.7 |
| 50°-60° | 55.8 | 4.2 |
| 60°-70° | 38.6 | 2.9 |
| 70°-80° | 21.0 | 1.6 |
| 80°-90° | 6.6 | 0.5 |
| 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° | 753.5 | 56.7 |
| 0°-40° | 1051.3 | 79.2 |
| 0°-60° | 1261.8 | 95.0 |
| 0°-90° | 1328.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1328.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1231 | |
| 5° | 1208 | 113 |
| 15° | 1037 | 289 |
| 25° | 768 | 351 |
| 35° | 479 | 298 |
| 45° | 200 | 155 |
| 55° | 61 | 56 |
| 65° | 39 | 39 |
| 75° | 20 | 21 |
| 85° | 6 | 7 |
| 90° | 0 | |



TEST NUMBER: P1265904
CATALOG NUMBER: P3AS20R509730D010 E3DLD1H

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 1230.7 |
| 2.5° | 1226.2 |
| 5° | 1208.0 |
| 7.5° | 1180.7 |
| 10° | 1141.3 |
| 12.5° | 1091.3 |
| 15° | 1036.7 |
| 17.5° | 974.6 |
| 20° | 906.4 |
| 22.5° | 836.7 |
| 25° | 768.4 |
| 27.5° | 697.2 |
| 30° | 624.5 |
| 32.5° | 551.7 |
| 35° | 479.0 |
| 37.5° | 407.7 |
| 40° | 336.5 |
| 42.5° | 268.3 |
| 45° | 200.1 |
| 47.5° | 133.4 |
| 50° | 86.4 |
| 52.5° | 66.7 |
| 55° | 60.6 |
| 57.5° | 54.6 |
| 60° | 50.0 |
| 62.5° | 44.0 |
| 65° | 39.4 |
| 67.5° | 33.3 |
| 70° | 28.8 |
| 72.5° | 24.3 |
| 75° | 19.7 |
| 77.5° | 15.2 |
| 80° | 12.1 |
| 82.5° | 9.1 |
| 85° | 6.1 |
| 87.5° | 3.0 |
| 90° | 0.0 |

(END OF REPORT)