

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: P1276852

Luminaire Tested: P3AS20R409835D010 E3DLP1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409835D010 E3DLP1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , E3DLP1LI TRIM
Light Source: -
Ballast/Driver: -

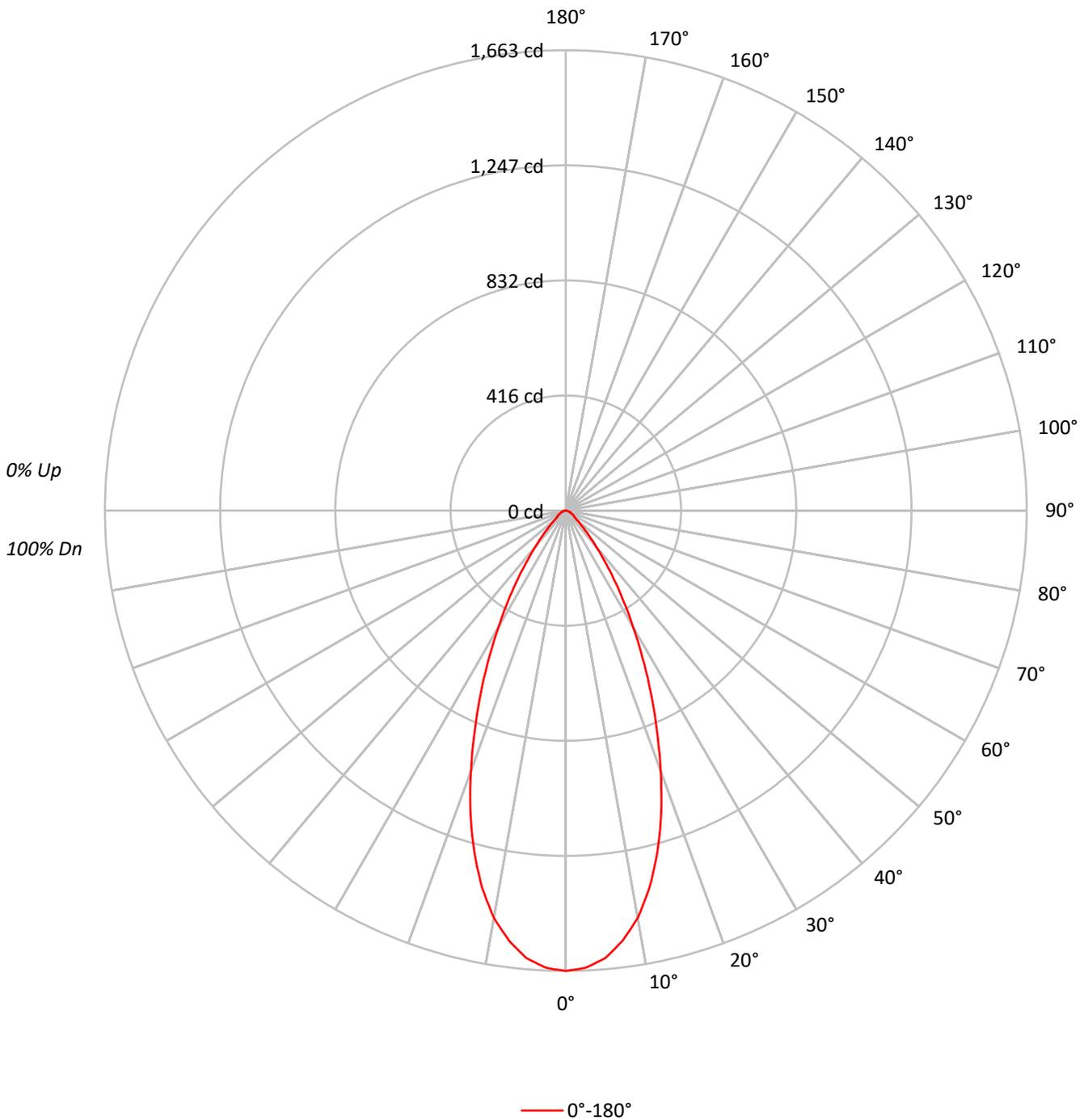
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1171.0 lumens
Efficiency: N/A
Efficacy: 42.7 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1276852
CATALOG NUMBER: P3AS20R409835D010 E3DLP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1276852
 CATALOG NUMBER: P3AS20R409835D010 E3DLP1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 100 | 100 |
| 1 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 93 | 93 | 93 | 93 |
| 2 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 93 | 97 | 94 | 91 | 94 | 92 | 89 | 92 | 89 | 88 | 86 | 86 | 86 | 86 |
| 3 | 102 | 95 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 84 | 89 | 85 | 83 | 86 | 84 | 81 | 80 | 80 | 80 | 80 |
| 4 | 97 | 89 | 83 | 79 | 95 | 88 | 83 | 79 | 86 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 74 | 74 | 74 | 74 |
| 5 | 92 | 83 | 77 | 73 | 90 | 82 | 77 | 73 | 81 | 76 | 72 | 79 | 75 | 71 | 77 | 74 | 71 | 69 | 69 | 69 | 69 |
| 6 | 87 | 78 | 72 | 68 | 86 | 78 | 72 | 68 | 76 | 71 | 67 | 75 | 70 | 67 | 73 | 69 | 66 | 65 | 65 | 65 | 65 |
| 7 | 83 | 74 | 68 | 64 | 82 | 73 | 68 | 63 | 72 | 67 | 63 | 71 | 66 | 63 | 70 | 66 | 62 | 61 | 61 | 61 | 61 |
| 8 | 79 | 70 | 64 | 60 | 78 | 69 | 64 | 60 | 68 | 63 | 59 | 67 | 63 | 59 | 66 | 62 | 59 | 58 | 58 | 58 | 58 |
| 9 | 76 | 66 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 63 | 59 | 56 | 54 | 54 | 54 | 54 |
| 10 | 72 | 63 | 57 | 53 | 71 | 62 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 51 | 51 | 51 | 51 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 364620 |
| 5° | 357252 |
| 10° | 332615 |
| 15° | 289900 |
| 20° | 233634 |
| 25° | 175123 |
| 30° | 123108 |
| 35° | 80656 |
| 40° | 48834 |
| 45° | 29181 |
| 50° | 17398 |
| 55° | 14031 |
| 60° | 12587 |
| 65° | 10740 |
| 70° | 10194 |
| 75° | 8133 |
| 80° | 8082 |
| 85° | 8051 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29181 cd/sqm



TEST NUMBER: P1276852
 CATALOG NUMBER: P3AS20R409835D010 E3DLP1LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 150.7 | 12.9 |
| 10°-20° | 351.7 | 30.0 |
| 20°-30° | 331.4 | 28.3 |
| 30°-40° | 191.7 | 16.4 |
| 40°-50° | 76.4 | 6.5 |
| 50°-60° | 33.8 | 2.9 |
| 60°-70° | 20.9 | 1.8 |
| 70°-80° | 11.0 | 0.9 |
| 80°-90° | 3.5 | 0.3 |
| 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° | 833.9 | 71.2 |
| 0°-40° | 1025.5 | 87.6 |
| 0°-60° | 1135.7 | 97.0 |
| 0°-90° | 1171.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1171.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1663 | |
| 5° | 1623 | 151 |
| 15° | 1277 | 352 |
| 25° | 724 | 331 |
| 35° | 301 | 192 |
| 45° | 94 | 76 |
| 55° | 37 | 34 |
| 65° | 21 | 21 |
| 75° | 10 | 11 |
| 85° | 3 | 3 |
| 90° | 0 | |



TEST NUMBER: P1276852
CATALOG NUMBER: P3AS20R409835D010 E3DLP1LI

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1662.8 |
| 2.5° | 1653.2 |
| 5° | 1623.0 |
| 7.5° | 1567.2 |
| 10° | 1493.8 |
| 12.5° | 1395.0 |
| 15° | 1277.0 |
| 17.5° | 1144.7 |
| 20° | 1001.2 |
| 22.5° | 857.7 |
| 25° | 723.8 |
| 27.5° | 599.4 |
| 30° | 486.2 |
| 32.5° | 387.4 |
| 35° | 301.3 |
| 37.5° | 228.0 |
| 40° | 170.6 |
| 42.5° | 127.5 |
| 45° | 94.1 |
| 47.5° | 68.6 |
| 50° | 51.0 |
| 52.5° | 41.5 |
| 55° | 36.7 |
| 57.5° | 33.5 |
| 60° | 28.7 |
| 62.5° | 23.9 |
| 65° | 20.7 |
| 67.5° | 17.5 |
| 70° | 15.9 |
| 72.5° | 12.8 |
| 75° | 9.6 |
| 77.5° | 8.0 |
| 80° | 6.4 |
| 82.5° | 4.8 |
| 85° | 3.2 |
| 87.5° | 1.6 |
| 90° | 0.0 |

(END OF REPORT)