

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: P1263334

Luminaire Tested: P3AS20R159727D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159727D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

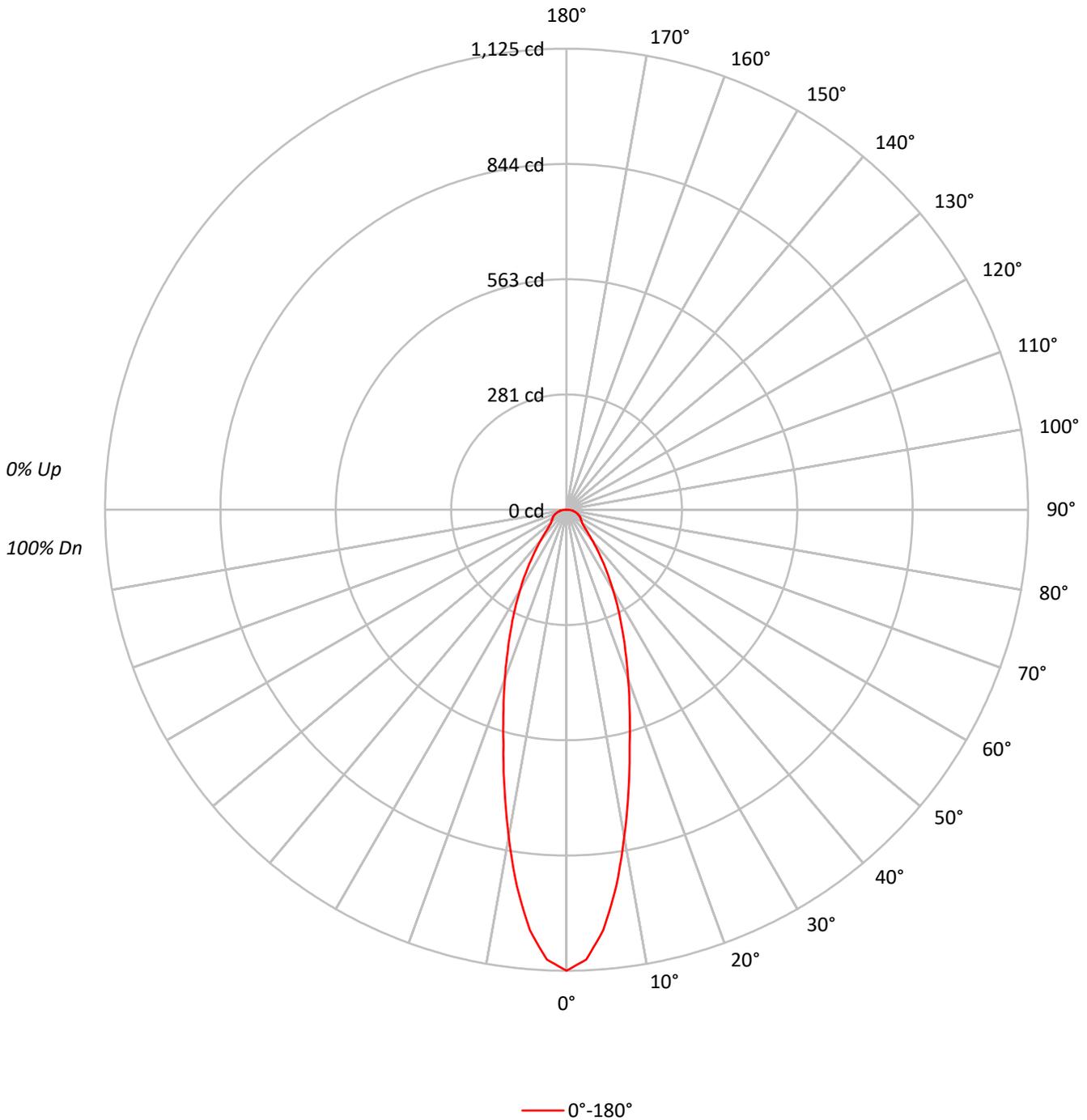
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 659.0 lumens
Efficiency: N/A
Efficacy: 22.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1263334
CATALOG NUMBER: P3AS20R159727D010 E3PHLP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1263334
 CATALOG NUMBER: P3AS20R159727D010 E3PHLP1MW

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 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 95 | 93 | 92 | 95 | 93 | 92 | 90 |
| 2 | 105 | 99 | 94 | 90 | 102 | 97 | 92 | 89 | 94 | 90 | 87 | 91 | 87 | 85 | 88 | 85 | 83 | 88 | 85 | 83 | 81 |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 80 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 82 | 79 | 76 | 74 |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 72 | 81 | 76 | 71 | 79 | 74 | 71 | 77 | 73 | 70 | 77 | 73 | 70 | 68 |
| 5 | 88 | 78 | 72 | 67 | 86 | 77 | 71 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 65 | 72 | 68 | 65 | 63 |
| 6 | 83 | 73 | 67 | 62 | 82 | 73 | 66 | 62 | 71 | 65 | 61 | 70 | 65 | 61 | 68 | 64 | 60 | 68 | 64 | 60 | 59 |
| 7 | 79 | 69 | 62 | 58 | 78 | 68 | 62 | 58 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 65 | 60 | 57 | 55 |
| 8 | 75 | 65 | 59 | 54 | 74 | 65 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 61 | 57 | 53 | 61 | 57 | 53 | 52 |
| 9 | 72 | 62 | 55 | 51 | 71 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 51 | 58 | 54 | 50 | 58 | 54 | 50 | 49 |
| 10 | 69 | 59 | 52 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 56 | 51 | 48 | 56 | 51 | 48 | 46 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 246647 |
| 5° | 226480 |
| 10° | 180446 |
| 15° | 134870 |
| 20° | 102419 |
| 25° | 77545 |
| 30° | 57376 |
| 35° | 40984 |
| 40° | 28053 |
| 45° | 19630 |
| 50° | 16716 |
| 55° | 16401 |
| 60° | 17016 |
| 65° | 18005 |
| 70° | 18336 |
| 75° | 19063 |
| 80° | 20583 |
| 85° | 20631 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 24024 cd/sqm



TEST NUMBER: P1263334
 CATALOG NUMBER: P3AS20R159727D010 E3PHLP1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 91.1 | 13.8 |
| 10°-20° | 166.6 | 25.3 |
| 20°-30° | 147.6 | 22.4 |
| 30°-40° | 96.7 | 14.7 |
| 40°-50° | 51.7 | 7.8 |
| 50°-60° | 39.1 | 5.9 |
| 60°-70° | 33.6 | 5.1 |
| 70°-80° | 23.2 | 3.5 |
| 80°-90° | 9.5 | 1.4 |
| 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° | 405.4 | 61.5 |
| 0°-40° | 502.1 | 76.2 |
| 0°-60° | 592.8 | 89.9 |
| 0°-90° | 659.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 659.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1125 | |
| 5° | 1029 | 91 |
| 15° | 594 | 167 |
| 25° | 320 | 148 |
| 35° | 153 | 97 |
| 45° | 63 | 52 |
| 55° | 43 | 39 |
| 65° | 35 | 34 |
| 75° | 22 | 23 |
| 85° | 8 | 9 |
| 90° | 0 | |



TEST NUMBER: P1263334
CATALOG NUMBER: P3AS20R159727D010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 1124.8 |
| 2.5° | 1098.3 |
| 5° | 1028.9 |
| 7.5° | 926.8 |
| 10° | 810.4 |
| 12.5° | 698.2 |
| 15° | 594.1 |
| 17.5° | 510.4 |
| 20° | 438.9 |
| 22.5° | 375.6 |
| 25° | 320.5 |
| 27.5° | 271.5 |
| 30° | 226.6 |
| 32.5° | 187.8 |
| 35° | 153.1 |
| 37.5° | 122.5 |
| 40° | 98.0 |
| 42.5° | 77.6 |
| 45° | 63.3 |
| 47.5° | 55.1 |
| 50° | 49.0 |
| 52.5° | 47.0 |
| 55° | 42.9 |
| 57.5° | 40.8 |
| 60° | 38.8 |
| 62.5° | 36.7 |
| 65° | 34.7 |
| 67.5° | 30.6 |
| 70° | 28.6 |
| 72.5° | 24.5 |
| 75° | 22.5 |
| 77.5° | 18.4 |
| 80° | 16.3 |
| 82.5° | 14.3 |
| 85° | 8.2 |
| 87.5° | 4.1 |
| 90° | 0.0 |

(END OF REPORT)