

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: P1295460

Luminaire Tested: P3AS13R15W2N902750DE010 E3PHLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R15W2N902750DE010 E3PHLD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

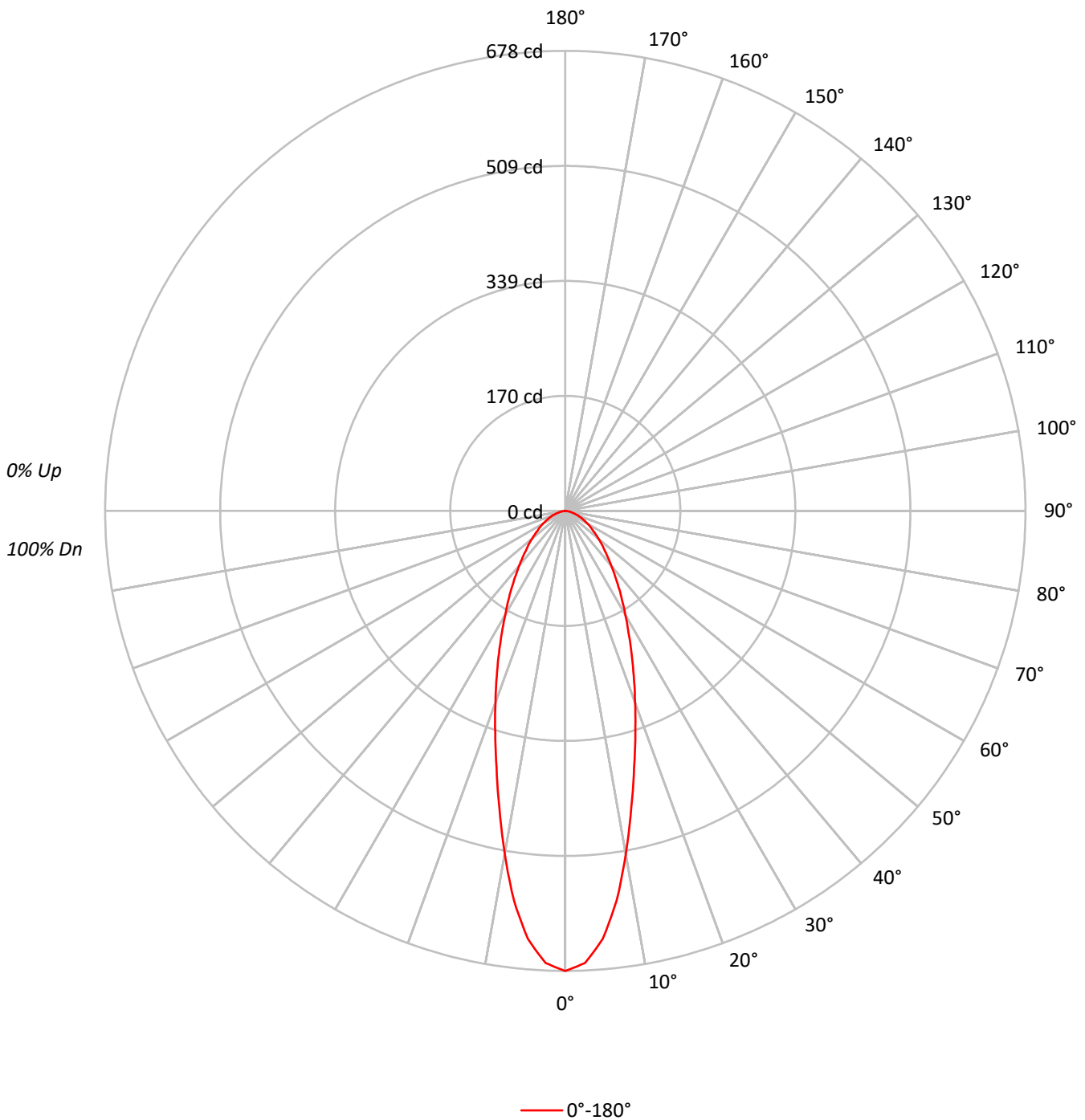
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 511.0 lumens
Efficiency: N/A
Efficacy: 41.5 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1295460
CATALOG NUMBER: P3AS13R15W2N902750DE010 E3PHLD1MW_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P1295460

CATALOG NUMBER: P3AS13R15W2N902750DE010 E3PHLD1MW_4000K

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 | 101 | 102 | 100 | 97 | 98 | 96 | 95 | 95 | 93 | 92 | 95 | 93 | 92 | 90 |
| 2 | 104 | 98 | 93 | 89 | 102 | 97 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 85 | 82 | 87 | 85 | 82 | 80 |
| 3 | 98 | 90 | 84 | 79 | 96 | 88 | 83 | 78 | 85 | 81 | 77 | 83 | 79 | 75 | 81 | 77 | 74 | 81 | 77 | 74 | 72 |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 75 | 71 | 67 | 66 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 70 | 65 | 62 | 70 | 65 | 62 | 60 |
| 6 | 81 | 71 | 63 | 58 | 79 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 57 | 65 | 60 | 57 | 55 |
| 7 | 77 | 66 | 59 | 54 | 75 | 65 | 58 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 61 | 56 | 53 | 51 |
| 8 | 72 | 61 | 55 | 50 | 71 | 61 | 54 | 50 | 60 | 54 | 49 | 59 | 53 | 49 | 58 | 53 | 49 | 58 | 53 | 49 | 47 |
| 9 | 69 | 58 | 51 | 47 | 68 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 46 | 54 | 49 | 46 | 44 |
| 10 | 65 | 54 | 48 | 44 | 64 | 54 | 48 | 44 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 47 | 43 | 52 | 47 | 43 | 42 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 148694 |
| 5° | 139401 |
| 10° | 114315 |
| 15° | 88809 |
| 20° | 70099 |
| 25° | 55866 |
| 30° | 44842 |
| 35° | 36594 |
| 40° | 30171 |
| 45° | 25367 |
| 50° | 21799 |
| 55° | 18848 |
| 60° | 16709 |
| 65° | 14528 |
| 70° | 12951 |
| 75° | 10421 |
| 80° | 8461 |
| 85° | 5535 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25367 cd/sqm



TEST NUMBER: P1295460

CATALOG NUMBER: P3AS13R15W2N902750DE010 E3PHLD1MW_4000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 56.6 | 11.1 |
| 10°-20° | 109.6 | 21.4 |
| 20°-30° | 106.5 | 20.8 |
| 30°-40° | 86.1 | 16.8 |
| 40°-50° | 63.9 | 12.5 |
| 50°-60° | 44.6 | 8.7 |
| 60°-70° | 28.0 | 5.5 |
| 70°-80° | 13.3 | 2.6 |
| 80°-90° | 2.4 | 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° | 272.7 | 53.4 |
| 0°-40° | 358.7 | 70.2 |
| 0°-60° | 467.3 | 91.4 |
| 0°-90° | 511.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 511.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 678 | |
| 5° | 633 | 57 |
| 15° | 391 | 110 |
| 25° | 231 | 107 |
| 35° | 137 | 86 |
| 45° | 82 | 64 |
| 55° | 49 | 45 |
| 65° | 28 | 28 |
| 75° | 12 | 13 |
| 85° | 2 | 2 |
| 90° | 0 | |



TEST NUMBER: P1295460
CATALOG NUMBER: P3AS13R15W2N902750DE010 E3PHLD1MW_4000K

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 678.1 |
| 2.5° | 666.9 |
| 5° | 633.3 |
| 7.5° | 579.5 |
| 10° | 513.4 |
| 12.5° | 448.4 |
| 15° | 391.2 |
| 17.5° | 343.0 |
| 20° | 300.4 |
| 22.5° | 263.4 |
| 25° | 230.9 |
| 27.5° | 201.8 |
| 30° | 177.1 |
| 32.5° | 155.8 |
| 35° | 136.7 |
| 37.5° | 119.9 |
| 40° | 105.4 |
| 42.5° | 93.0 |
| 45° | 81.8 |
| 47.5° | 72.9 |
| 50° | 63.9 |
| 52.5° | 56.0 |
| 55° | 49.3 |
| 57.5° | 43.7 |
| 60° | 38.1 |
| 62.5° | 32.5 |
| 65° | 28.0 |
| 67.5° | 23.5 |
| 70° | 20.2 |
| 72.5° | 15.7 |
| 75° | 12.3 |
| 77.5° | 9.0 |
| 80° | 6.7 |
| 82.5° | 3.4 |
| 85° | 2.2 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)