

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: P1288109

Luminaire Tested: P3A05R20W2N902750DE010 E3D1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R20W2N902750DE010 E3D1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

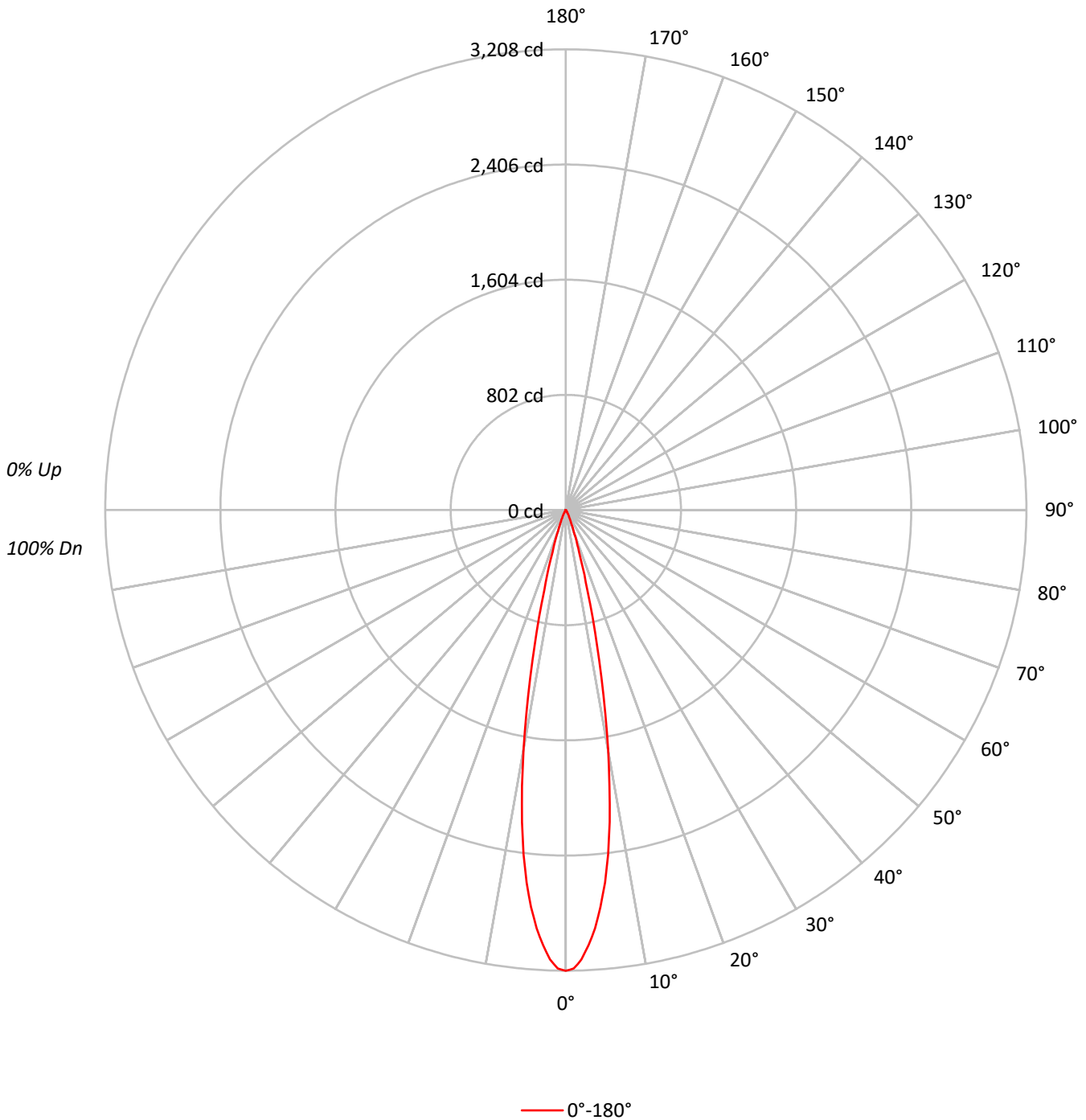
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 453.1 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P1288109
CATALOG NUMBER: P3A05R20W2N902750DE010 E3D1MW_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1288109
 CATALOG NUMBER: P3A05R20W2N902750DE010 E3D1MW_2700K

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 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 116 | 114 | 112 | 110 | 113 | 112 | 110 | 109 | 108 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 112 | 109 | 106 | 104 | 110 | 108 | 105 | 103 | 104 | 103 | 101 | 102 | 100 | 99 | 99 | 98 | 97 | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99 | 102 | 99 | 97 | 99 | 98 | 96 | 97 | 96 | 95 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 107 | 102 | 99 | 96 | 105 | 101 | 98 | 96 | 99 | 97 | 94 | 97 | 95 | 93 | 96 | 94 | 92 | 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 104 | 99 | 96 | 93 | 103 | 98 | 95 | 93 | 97 | 94 | 92 | 95 | 93 | 91 | 94 | 92 | 91 | 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 102 | 97 | 93 | 91 | 101 | 96 | 93 | 90 | 95 | 92 | 90 | 94 | 91 | 89 | 92 | 90 | 89 | 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 100 | 94 | 91 | 88 | 99 | 94 | 91 | 88 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 89 | 87 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 98 | 92 | 89 | 86 | 97 | 92 | 89 | 86 | 91 | 88 | 86 | 90 | 88 | 86 | 89 | 87 | 85 | 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 96 | 90 | 87 | 85 | 95 | 90 | 87 | 85 | 89 | 86 | 84 | 89 | 86 | 84 | 88 | 86 | 84 | 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 94 | 89 | 85 | 83 | 93 | 88 | 85 | 83 | 88 | 85 | 83 | 87 | 84 | 83 | 86 | 84 | 82 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 703562 |
| 5° | 610674 |
| 10° | 377325 |
| 15° | 131056 |
| 20° | 40253 |
| 25° | 14227 |
| 30° | 5267 |
| 35° | 2115 |
| 40° | 1116 |
| 45° | 434 |
| 50° | 239 |
| 55° | 268 |
| 60° | 307 |
| 65° | 208 |
| 70° | 256 |
| 75° | 339 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 434 cd/sqm



TEST NUMBER: P1288109

CATALOG NUMBER: P3A05R20W2N902750DE010 E3D1MW_2700K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 230.2 | 50.8 |
| 10°-20° | 182.7 | 40.3 |
| 20°-30° | 31.6 | 7.0 |
| 30°-40° | 5.8 | 1.3 |
| 40°-50° | 1.3 | 0.3 |
| 50°-60° | 0.6 | 0.1 |
| 60°-70° | 0.4 | 0.1 |
| 70°-80° | 0.4 | 0.1 |
| 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° | 444.6 | 98.1 |
| 0°-40° | 450.3 | 99.4 |
| 0°-60° | 452.2 | 99.8 |
| 0°-90° | 453.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 453.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 3208 | |
| 5° | 2774 | 230 |
| 15° | 577 | 183 |
| 25° | 59 | 32 |
| 35° | 8 | 6 |
| 45° | 1 | 1 |
| 55° | 1 | 1 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: P1288109
CATALOG NUMBER: P3A05R20W2N902750DE010 E3D1MW_2700K

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 3208.5 |
| 1° | 3193.1 |
| 2° | 3132.1 |
| 3° | 3034.2 |
| 4° | 2919.5 |
| 5° | 2774.3 |
| 6° | 2607.9 |
| 7° | 2414.3 |
| 8° | 2193.7 |
| 9° | 1946.0 |
| 10° | 1694.6 |
| 12.5° | 1068.9 |
| 15° | 577.3 |
| 17.5° | 308.4 |
| 20° | 172.5 |
| 22.5° | 98.6 |
| 25° | 58.8 |
| 27.5° | 35.9 |
| 30° | 20.8 |
| 32.5° | 12.2 |
| 35° | 7.9 |
| 37.5° | 5.4 |
| 40° | 3.9 |
| 42.5° | 2.5 |
| 45° | 1.4 |
| 47.5° | 0.7 |
| 50° | 0.7 |
| 52.5° | 0.7 |
| 55° | 0.7 |
| 57.5° | 0.7 |
| 60° | 0.7 |
| 62.5° | 0.4 |
| 65° | 0.4 |
| 67.5° | 0.4 |
| 70° | 0.4 |
| 72.5° | 0.4 |
| 75° | 0.4 |
| 77.5° | 0.4 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)