

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: P1271548

Luminaire Tested: P3AS09R209827DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271548
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R209827DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

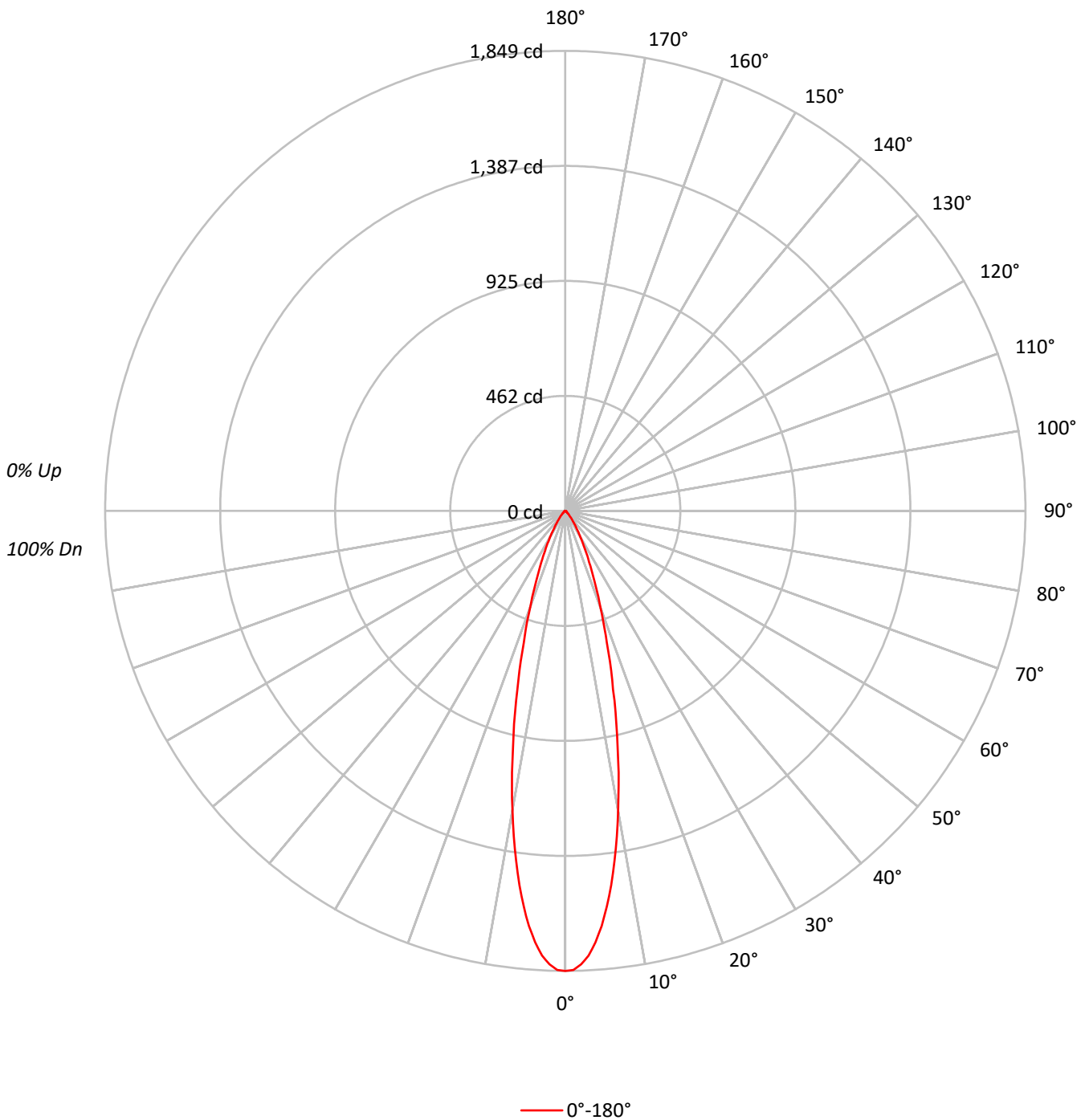
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 527.0 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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

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Luminous Intensity Polar Plot





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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 95 | | |
| 2 | 110 | 106 | 102 | 100 | 108 | 104 | 101 | 98 | 101 | 98 | 96 | 98 | 96 | 94 | 95 | 94 | 92 | 91 | | |
| 3 | 106 | 100 | 96 | 93 | 104 | 99 | 95 | 92 | 97 | 93 | 91 | 94 | 92 | 89 | 92 | 90 | 88 | 87 | | |
| 4 | 102 | 96 | 91 | 88 | 100 | 95 | 90 | 87 | 92 | 89 | 86 | 91 | 88 | 85 | 89 | 86 | 84 | 83 | | |
| 5 | 98 | 91 | 87 | 83 | 97 | 90 | 86 | 83 | 89 | 85 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 79 | | |
| 6 | 95 | 87 | 83 | 79 | 93 | 87 | 82 | 79 | 85 | 81 | 78 | 84 | 81 | 78 | 83 | 80 | 77 | 76 | | |
| 7 | 91 | 84 | 79 | 76 | 90 | 83 | 79 | 76 | 82 | 78 | 75 | 81 | 78 | 75 | 80 | 77 | 75 | 73 | | |
| 8 | 88 | 81 | 76 | 73 | 87 | 80 | 76 | 73 | 79 | 75 | 72 | 78 | 75 | 72 | 78 | 74 | 72 | 71 | | |
| 9 | 85 | 78 | 73 | 70 | 85 | 77 | 73 | 70 | 77 | 73 | 70 | 76 | 72 | 69 | 75 | 72 | 69 | 68 | | |
| 10 | 83 | 75 | 71 | 68 | 82 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 70 | 67 | 73 | 69 | 67 | 66 | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 405472 |
| 5° | 368588 |
| 10° | 272406 |
| 15° | 168514 |
| 20° | 96235 |
| 25° | 54947 |
| 30° | 30815 |
| 35° | 16758 |
| 40° | 9189 |
| 45° | 5055 |
| 50° | 2968 |
| 55° | 2141 |
| 60° | 2017 |
| 65° | 1868 |
| 70° | 1603 |
| 75° | 1694 |
| 80° | 1263 |
| 85° | 1258 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5055 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 145.0 | 27.5 |
| 10°-20° | 207.0 | 39.3 |
| 20°-30° | 108.1 | 20.5 |
| 30°-40° | 41.8 | 7.9 |
| 40°-50° | 13.6 | 2.6 |
| 50°-60° | 5.3 | 1.0 |
| 60°-70° | 3.5 | 0.7 |
| 70°-80° | 2.0 | 0.4 |
| 80°-90° | 0.7 | 0.1 |
| 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° | 460.0 | 87.3 |
| 0°-40° | 501.8 | 95.2 |
| 0°-60° | 520.7 | 98.8 |
| 0°-90° | 527.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 527.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1849 | |
| 5° | 1674 | 145 |
| 15° | 742 | 207 |
| 25° | 227 | 108 |
| 35° | 63 | 42 |
| 45° | 16 | 14 |
| 55° | 6 | 5 |
| 65° | 4 | 4 |
| 75° | 2 | 2 |
| 85° | 0 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1849.1 |
| 1° | 1845.5 |
| 2° | 1823.6 |
| 3° | 1790.0 |
| 4° | 1738.1 |
| 5° | 1674.5 |
| 6° | 1599.1 |
| 7° | 1515.6 |
| 8° | 1418.9 |
| 9° | 1324.7 |
| 10° | 1223.4 |
| 12.5° | 972.4 |
| 15° | 742.3 |
| 17.5° | 555.4 |
| 20° | 412.4 |
| 22.5° | 305.5 |
| 25° | 227.1 |
| 27.5° | 167.5 |
| 30° | 121.7 |
| 32.5° | 88.1 |
| 35° | 62.6 |
| 37.5° | 45.3 |
| 40° | 32.1 |
| 42.5° | 22.9 |
| 45° | 16.3 |
| 47.5° | 11.7 |
| 50° | 8.7 |
| 52.5° | 6.6 |
| 55° | 5.6 |
| 57.5° | 5.1 |
| 60° | 4.6 |
| 62.5° | 4.1 |
| 65° | 3.6 |
| 67.5° | 3.1 |
| 70° | 2.5 |
| 72.5° | 2.5 |
| 75° | 2.0 |
| 77.5° | 1.5 |
| 80° | 1.0 |
| 82.5° | 1.0 |
| 85° | 0.5 |
| 87.5° | 0.5 |
| 90° | 0.0 |

(END OF REPORT)