

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: P1274780

Luminaire Tested: P3AS20R409830D010 E3DLP1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274780
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: P3AS20R409830D010 E3DLP1GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , E3DLP1GPH TRIM
Light Source: -
Ballast/Driver: -

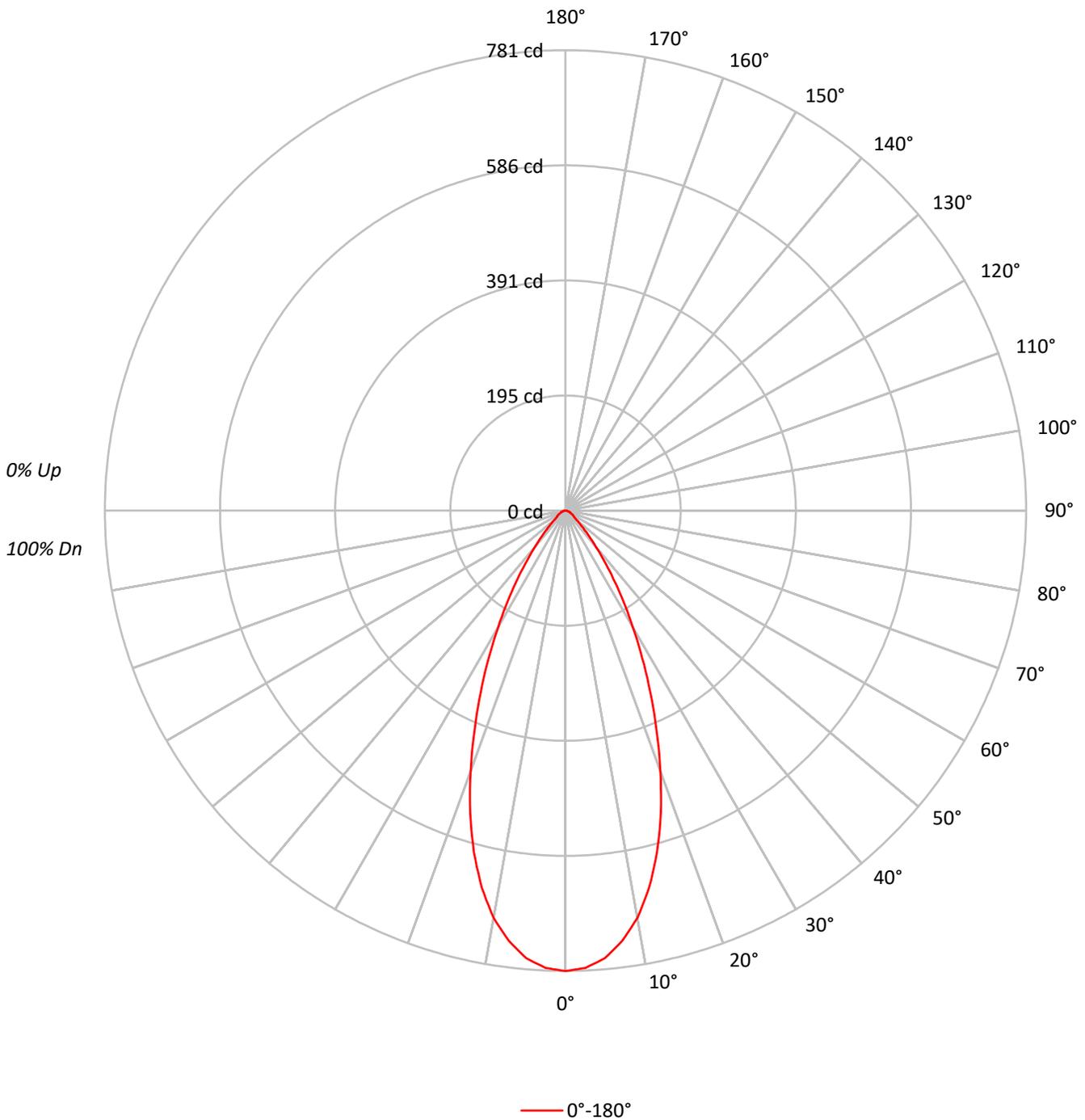
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 550.0 lumens
Efficiency: N/A
Efficacy: 20.1 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

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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 171258 |
| 5° | 167796 |
| 10° | 156221 |
| 15° | 136164 |
| 20° | 109723 |
| 25° | 82263 |
| 30° | 57832 |
| 35° | 37878 |
| 40° | 22929 |
| 45° | 13707 |
| 50° | 8187 |
| 55° | 6576 |
| 60° | 5921 |
| 65° | 5033 |
| 70° | 4809 |
| 75° | 3813 |
| 80° | 3788 |
| 85° | 3774 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13707 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 70.8 | 12.9 |
| 10°-20° | 165.2 | 30.0 |
| 20°-30° | 155.7 | 28.3 |
| 30°-40° | 90.0 | 16.4 |
| 40°-50° | 35.9 | 6.5 |
| 50°-60° | 15.9 | 2.9 |
| 60°-70° | 9.8 | 1.8 |
| 70°-80° | 5.1 | 0.9 |
| 80°-90° | 1.6 | 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° | 391.7 | 71.2 |
| 0°-40° | 481.7 | 87.6 |
| 0°-60° | 533.4 | 97.0 |
| 0°-90° | 550.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 550.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 781 | |
| 5° | 762 | 71 |
| 15° | 600 | 165 |
| 25° | 340 | 156 |
| 35° | 142 | 90 |
| 45° | 44 | 36 |
| 55° | 17 | 16 |
| 65° | 10 | 10 |
| 75° | 4 | 5 |
| 85° | 2 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 781.0 |
| 2.5° | 776.5 |
| 5° | 762.3 |
| 7.5° | 736.1 |
| 10° | 701.6 |
| 12.5° | 655.2 |
| 15° | 599.8 |
| 17.5° | 537.6 |
| 20° | 470.2 |
| 22.5° | 402.9 |
| 25° | 340.0 |
| 27.5° | 281.5 |
| 30° | 228.4 |
| 32.5° | 182.0 |
| 35° | 141.5 |
| 37.5° | 107.1 |
| 40° | 80.1 |
| 42.5° | 59.9 |
| 45° | 44.2 |
| 47.5° | 32.2 |
| 50° | 24.0 |
| 52.5° | 19.5 |
| 55° | 17.2 |
| 57.5° | 15.7 |
| 60° | 13.5 |
| 62.5° | 11.2 |
| 65° | 9.7 |
| 67.5° | 8.2 |
| 70° | 7.5 |
| 72.5° | 6.0 |
| 75° | 4.5 |
| 77.5° | 3.7 |
| 80° | 3.0 |
| 82.5° | 2.2 |
| 85° | 1.5 |
| 87.5° | 0.7 |
| 90° | 0.0 |

(END OF REPORT)