

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: P1271313

Luminaire Tested: P3AS05R409827DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R409827DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

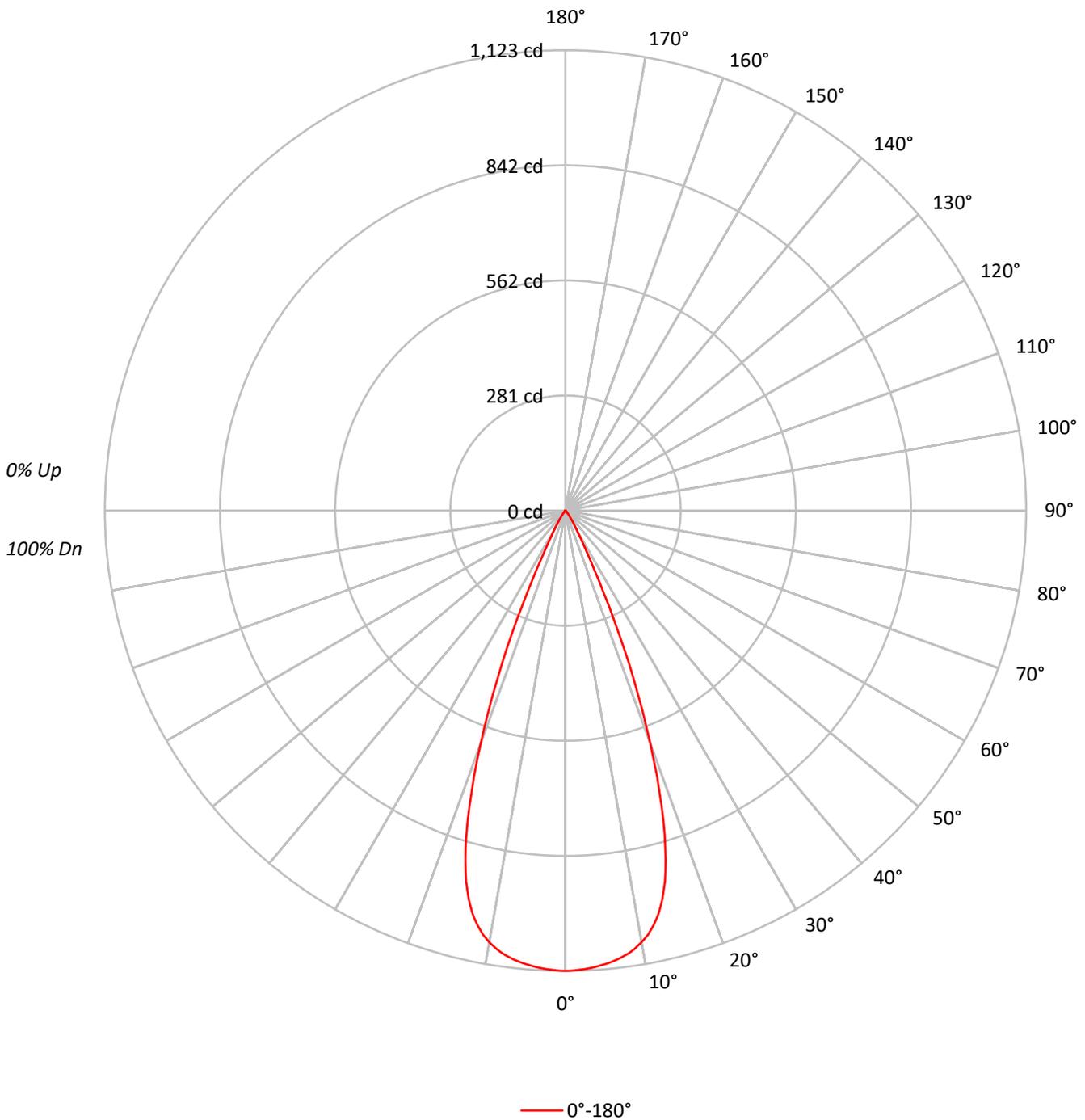
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 483.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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 | 100 | | | | 100 |
| 1 | 115 | 112 | 110 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 98 | 98 | 96 | | | | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 96 | 95 | 94 | 92 | | | | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 100 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 93 | 91 | 90 | 88 | | | | 88 |
| 4 | 103 | 97 | 93 | 90 | 101 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 85 | | | | 85 |
| 5 | 99 | 93 | 89 | 85 | 98 | 92 | 88 | 85 | 91 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 | | | | 82 |
| 6 | 96 | 89 | 85 | 81 | 95 | 89 | 84 | 81 | 87 | 83 | 81 | 86 | 83 | 80 | 85 | 82 | 80 | 79 | | | | 79 |
| 7 | 93 | 86 | 81 | 78 | 92 | 85 | 81 | 78 | 84 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 77 | 76 | | | | 76 |
| 8 | 90 | 83 | 78 | 75 | 89 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 74 | 79 | 76 | 74 | 73 | | | | 73 |
| 9 | 87 | 80 | 75 | 72 | 86 | 79 | 75 | 72 | 78 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 71 | 70 | | | | 70 |
| 10 | 84 | 77 | 72 | 70 | 83 | 77 | 72 | 69 | 76 | 72 | 69 | 75 | 72 | 69 | 74 | 71 | 69 | 68 | | | | 68 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 246186 |
| 5° | 244419 |
| 10° | 238027 |
| 15° | 212623 |
| 20° | 140992 |
| 25° | 52818 |
| 30° | 14129 |
| 35° | 5514 |
| 40° | 1975 |
| 45° | 930 |
| 50° | 273 |
| 55° | 115 |
| 60° | 88 |
| 65° | 104 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 930 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 104.8 | 21.7 |
| 10°-20° | 248.2 | 51.4 |
| 20°-30° | 112.5 | 23.3 |
| 30°-40° | 14.6 | 3.0 |
| 40°-50° | 2.5 | 0.5 |
| 50°-60° | 0.3 | 0.1 |
| 60°-70° | 0.1 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 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° | 465.5 | 96.4 |
| 0°-40° | 480.1 | 99.4 |
| 0°-60° | 482.9 | 100.0 |
| 0°-90° | 483.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 483.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1123 | |
| 5° | 1110 | 105 |
| 15° | 937 | 248 |
| 25° | 218 | 113 |
| 35° | 21 | 15 |
| 45° | 3 | 3 |
| 55° | 0 | 0 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1122.7 |
| 1° | 1122.1 |
| 2° | 1120.4 |
| 3° | 1117.8 |
| 4° | 1114.6 |
| 5° | 1110.4 |
| 6° | 1105.5 |
| 7° | 1099.4 |
| 8° | 1092.0 |
| 9° | 1081.8 |
| 10° | 1069.0 |
| 11° | 1053.9 |
| 12° | 1033.8 |
| 13° | 1008.9 |
| 14° | 976.5 |
| 15° | 936.6 |
| 16° | 885.7 |
| 17° | 827.7 |
| 18° | 758.0 |
| 19° | 684.5 |
| 20° | 604.2 |
| 21° | 523.8 |
| 22° | 444.7 |
| 23° | 365.9 |
| 24° | 288.5 |
| 25° | 218.3 |
| 26° | 161.6 |
| 27° | 118.4 |
| 28° | 88.9 |
| 29° | 69.2 |
| 30° | 55.8 |
| 31° | 46.2 |
| 32° | 38.6 |
| 32.5° | 35.2 |
| 33° | 31.8 |
| 34° | 25.9 |
| 35° | 20.6 |
| 36° | 16.2 |
| 37° | 12.9 |
| 37.5° | 11.5 |
| 38° | 10.1 |
| 39° | 8.5 |
| 40° | 6.9 |
| 42.5° | 4.6 |
| 45° | 3.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|-------|-----|
| 47.5° | 1.9 |
| 50° | 0.8 |
| 52.5° | 0.3 |
| 55° | 0.3 |
| 57.5° | 0.2 |
| 60° | 0.2 |
| 62.5° | 0.2 |
| 65° | 0.2 |
| 67.5° | 0.0 |
| 70° | 0.0 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)