

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: P1253078

Luminaire Tested: P3AS24R409030D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1253078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R409030D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

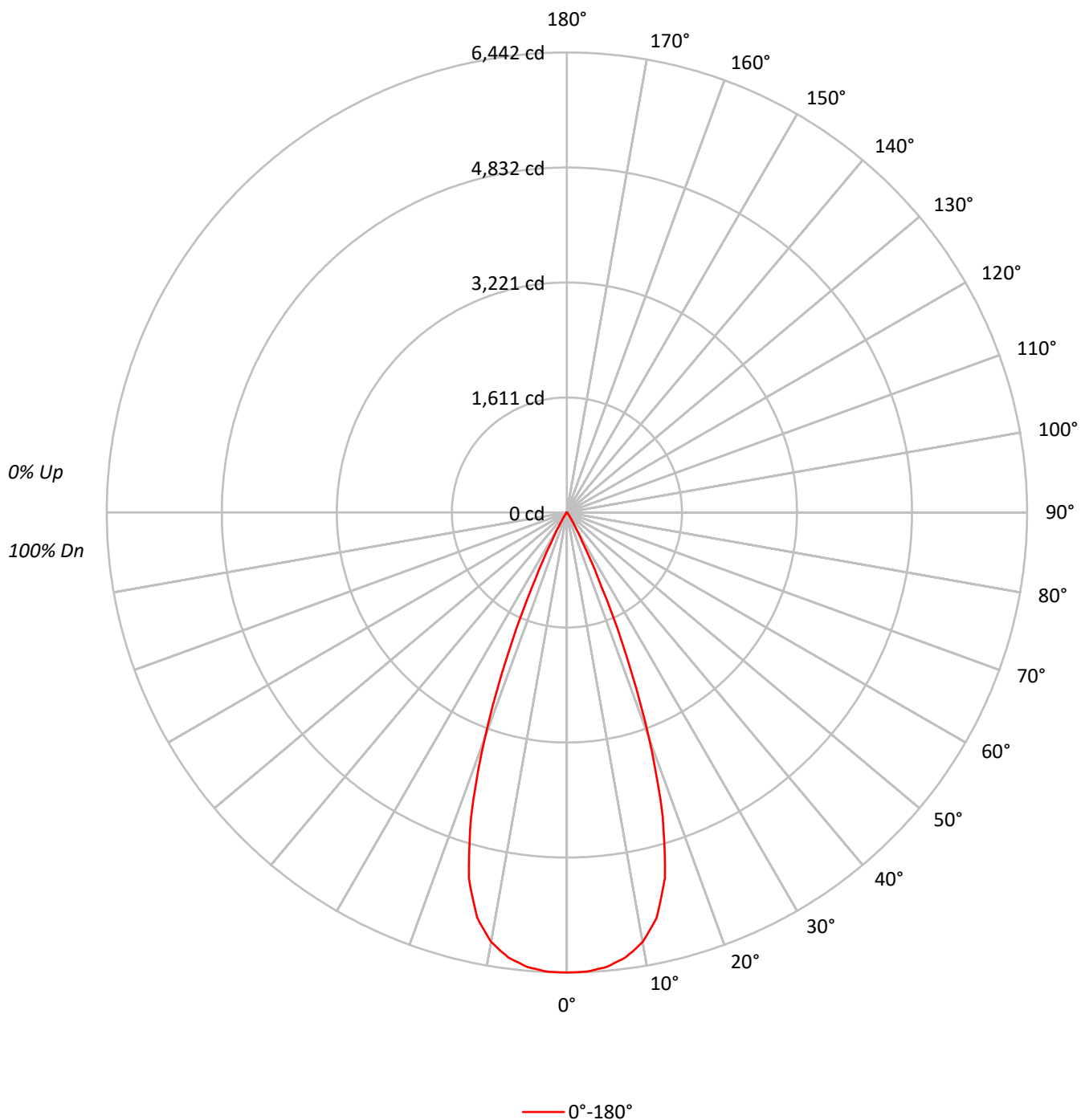
Lumens per Lamp: N/A
Luminaire Lumens: 2682.9 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85		89	86	84		88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82	79	77	76
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80	77	75	73
9	87	80	76	73	87	80	76	73	79	75	72		78	75	72		77	74	72	71
10	85	77	73	70	84	77	73	70	76	73	70		76	72	70		75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1412672
5°	1405874
10°	1360051
15°	1203299
20°	785072
25°	278121
30°	58971
35°	19434
40°	7099
45°	2357
50°	1944
55°	2179
60°	1667
65°	1972
70°	1218
75°	1610
80°	2399
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 3192 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.0	22.4
10°-20°	1399.5	52.2
20°-30°	607.3	22.6
30°-40°	56.0	2.1
40°-50°	7.9	0.3
50°-60°	4.9	0.2
60°-70°	3.5	0.1
70°-80°	2.0	0.1
80°-90°	0.8	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°	2607.8	97.2
0°-40°	2663.8	99.3
0°-60°	2676.6	99.8
0°-90°	2682.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2682.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6442	
5°	6387	601
15°	5300	1400
25°	1150	607
35°	73	56
45°	8	8
55°	6	5
65°	4	4
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6442.3
2.5°	6434.6
5°	6386.9
7.5°	6285.7
10°	6108.1
12.5°	5808.4
15°	5300.5
17.5°	4458.4
20°	3364.3
22.5°	2184.3
25°	1149.5
27.5°	494.5
30°	232.9
32.5°	126.0
35°	72.6
37.5°	43.9
40°	24.8
42.5°	13.4
45°	7.6
47.5°	5.7
50°	5.7
52.5°	5.7
55°	5.7
57.5°	5.7
60°	3.8
62.5°	3.8
65°	3.8
67.5°	3.8
70°	1.9
72.5°	1.9
75°	1.9
77.5°	1.9
80°	1.9
82.5°	1.9
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)