

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: P1247323

Luminaire Tested: P3A17R409024DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247323
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: P3A17R409024DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

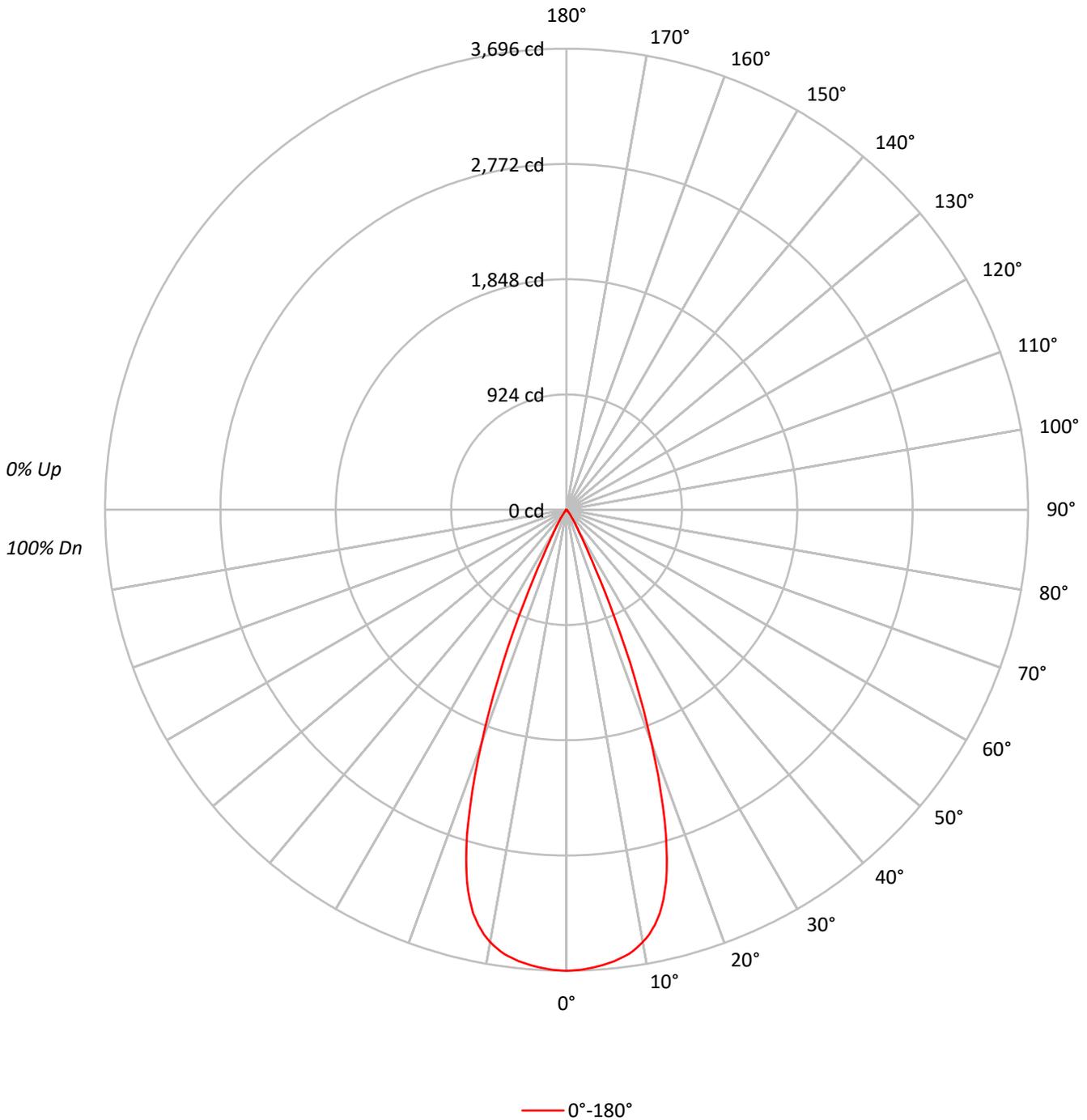
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1590.0 lumens
Efficiency: N/A
Efficacy: 75.0 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): 21.2
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°	810461
5°	804620
10°	783553
15°	699913
20°	464094
25°	173865
30°	46513
35°	18176
40°	6527
45°	3101
50°	955
55°	421
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3101 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.9	21.7
10°-20°	816.9	51.4
20°-30°	370.5	23.3
30°-40°	48.0	3.0
40°-50°	8.3	0.5
50°-60°	1.0	0.1
60°-70°	0.4	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°	1532.3	96.4
0°-40°	1580.4	99.4
0°-60°	1589.7	100.0
0°-90°	1590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1590.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3696	
5°	3655	345
15°	3083	817
25°	719	370
35°	68	48
45°	10	8
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3696.0
1°	3693.8
2°	3688.2
3°	3679.8
4°	3669.3
5°	3655.4
6°	3639.2
7°	3619.2
8°	3594.7
9°	3561.3
10°	3519.0
11°	3469.4
12°	3403.2
13°	3321.4
14°	3214.5
15°	3083.1
16°	2915.6
17°	2724.7
18°	2495.4
19°	2253.2
20°	1988.8
21°	1724.4
22°	1463.9
23°	1204.5
24°	949.6
25°	718.6
26°	532.1
27°	389.6
28°	292.8
29°	227.7
30°	183.7
31°	152.0
32°	126.9
32.5°	115.8
33°	104.6
34°	85.2
35°	67.9
36°	53.4
37°	42.3
37.5°	37.9
38°	33.4
39°	27.8
40°	22.8
42.5°	15.0
45°	10.0



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	6.1
50°	2.8
52.5°	1.1
55°	1.1
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
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)