

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: P1255099

Luminaire Tested: P3AS17R409035DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255099
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: P3AS17R409035DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

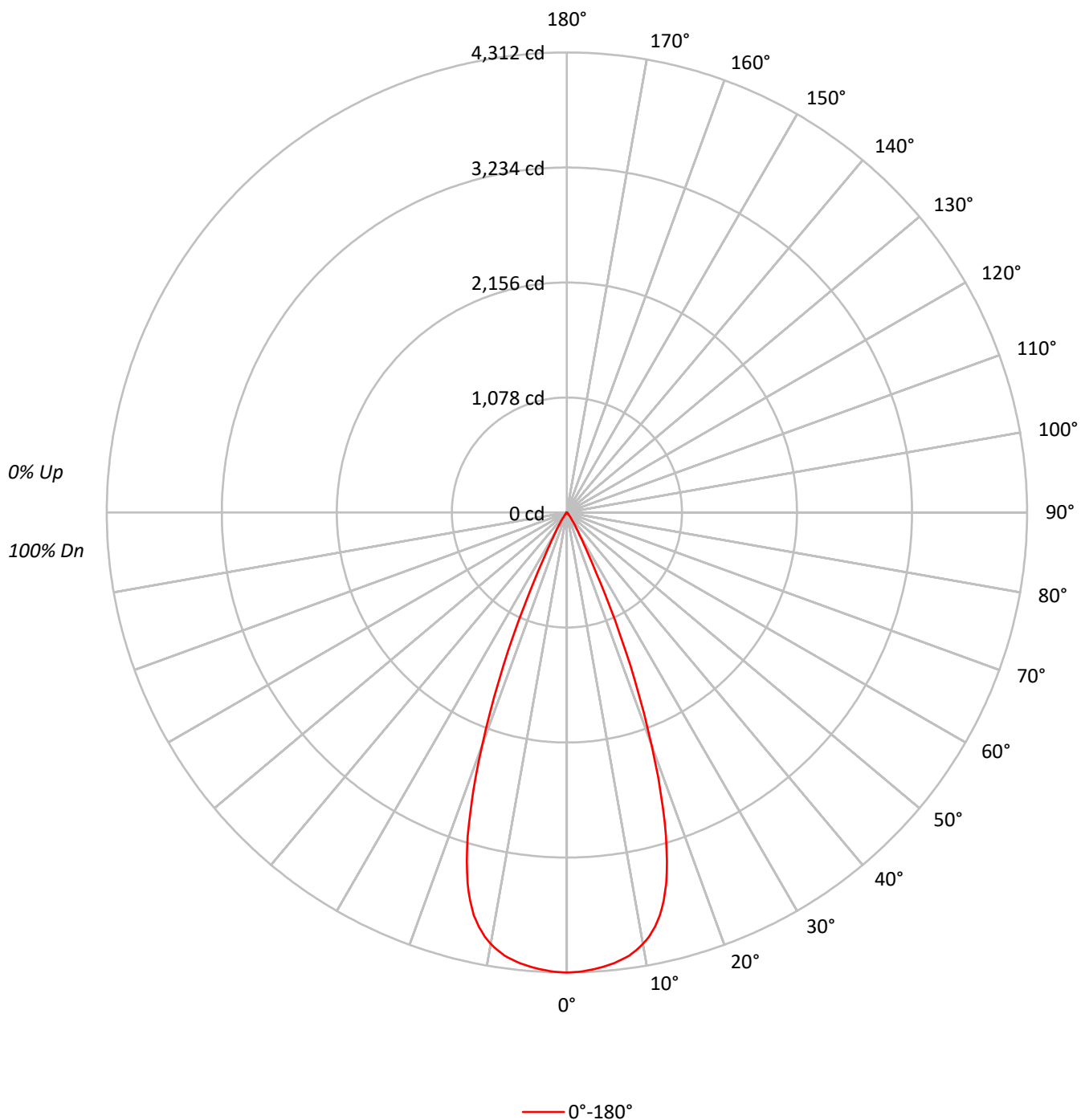
Lumens per Lamp: N/A
Luminaire Lumens: 1854.9 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1255099

CATALOG NUMBER: P3AS17R409035DE010 E3D1LI

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	945538
5°	938716
10°	914145
15°	816577
20°	541450
25°	202850
30°	54262
35°	21201
40°	7614
45°	3628
50°	1092
55°	497
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3628 cd/sqm

TEST NUMBER: P1255099

CATALOG NUMBER: P3AS17R409035DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.4	21.7
10°-20°	953.1	51.4
20°-30°	432.2	23.3
30°-40°	56.0	3.0
40°-50°	9.7	0.5
50°-60°	1.1	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°	1787.7	96.4
0°-40°	1843.8	99.4
0°-60°	1854.6	100.0
0°-90°	1854.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1854.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4312	
5°	4265	402
15°	3597	953
25°	838	432
35°	79	56
45°	12	10
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1255099

CATALOG NUMBER: P3AS17R409035DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	4312.0
1°	4309.4
2°	4302.9
3°	4293.2
4°	4280.8
5°	4264.6
6°	4245.8
7°	4222.4
8°	4193.8
9°	4154.8
10°	4105.5
11°	4047.7
12°	3970.4
13°	3874.9
14°	3750.3
15°	3597.0
16°	3401.5
17°	3178.8
18°	2911.2
19°	2628.8
20°	2320.3
21°	2011.8
22°	1707.9
23°	1405.3
24°	1107.9
25°	838.4
26°	620.8
27°	454.6
28°	341.6
29°	265.6
30°	214.3
31°	177.3
32°	148.1
32.5°	135.1
33°	122.1
34°	99.4
35°	79.2
36°	62.3
37°	49.4
37.5°	44.2
38°	39.0
39°	32.5
40°	26.6
42.5°	17.5
45°	11.7



TEST NUMBER: P1255099

CATALOG NUMBER: P3AS17R409035DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	7.1
50°	3.2
52.5°	1.3
55°	1.3
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)