

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: P1249768

Luminaire Tested: P3AS17R559027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R559027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

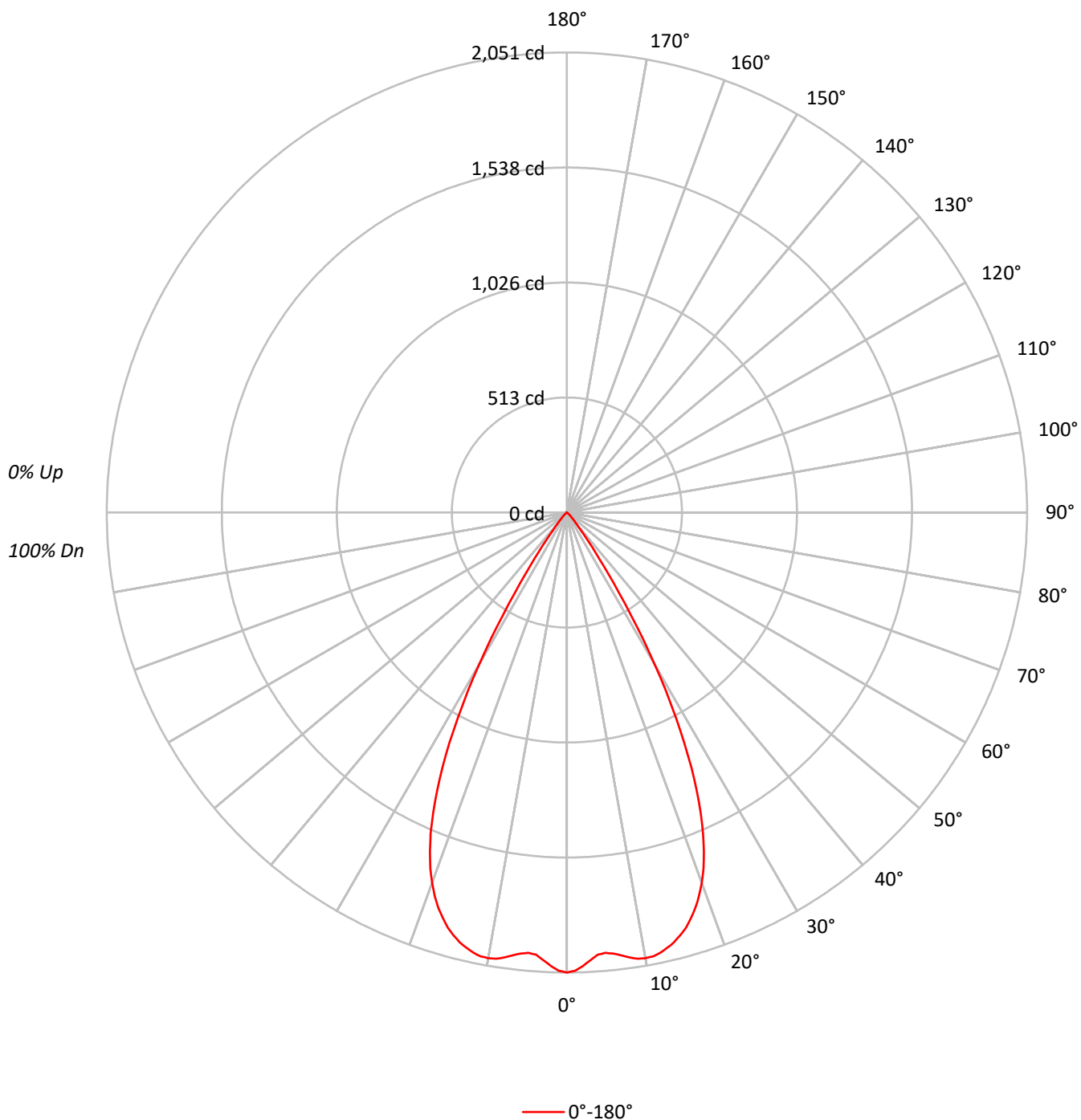
Lumens per Lamp: N/A
Luminaire Lumens: 1551.0 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1249768

CATALOG NUMBER: P3AS17R559027DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1249768

CATALOG NUMBER: P3AS17R559027DE010 E3D1LI

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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	449767
5°	433853
10°	449357
15°	443022
20°	410026
25°	331616
30°	198739
35°	67351
40°	18549
45°	8218
50°	2422
55°	459
60°	263
65°	311
70°	385
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8218 cd/sqm

TEST NUMBER: P1249768

CATALOG NUMBER: P3AS17R559027DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.7	12.3
10°-20°	543.3	35.0
20°-30°	604.0	38.9
30°-40°	188.0	12.1
40°-50°	22.6	1.5
50°-60°	1.8	0.1
60°-70°	0.6	0.0
70°-80°	0.1	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°	1338.0	86.3
0°-40°	1526.0	98.4
0°-60°	1550.3	100.0
0°-90°	1551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1551.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2051	
5°	1971	191
15°	1952	543
25°	1371	604
35°	252	188
45°	26	23
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1249768

CATALOG NUMBER: P3AS17R559027DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2051.1
1°	2043.5
2°	2023.4
3°	1998.7
4°	1976.3
5°	1971.0
6°	1976.9
7°	1989.3
8°	2003.4
9°	2014.6
10°	2018.1
11°	2015.8
12°	2006.3
13°	1991.6
14°	1974.5
15°	1951.5
16°	1925.0
17°	1891.4
18°	1853.7
19°	1808.4
20°	1757.1
21°	1698.8
22°	1629.8
23°	1553.8
24°	1466.6
25°	1370.6
26°	1265.1
27°	1153.1
28°	1033.5
29°	910.4
30°	784.9
31°	658.8
32°	535.6
32.5°	480.8
33°	424.2
34°	328.2
35°	251.6
36°	191.5
37°	142.0
37.5°	121.4
38°	105.5
39°	80.1
40°	64.8
42.5°	41.2
45°	26.5



TEST NUMBER: P1249768

CATALOG NUMBER: P3AS17R559027DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	15.9
50°	7.1
52.5°	2.4
55°	1.2
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
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)