

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: P1248202

Luminaire Tested: P3AS02R559027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248202
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: P3AS02R559027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

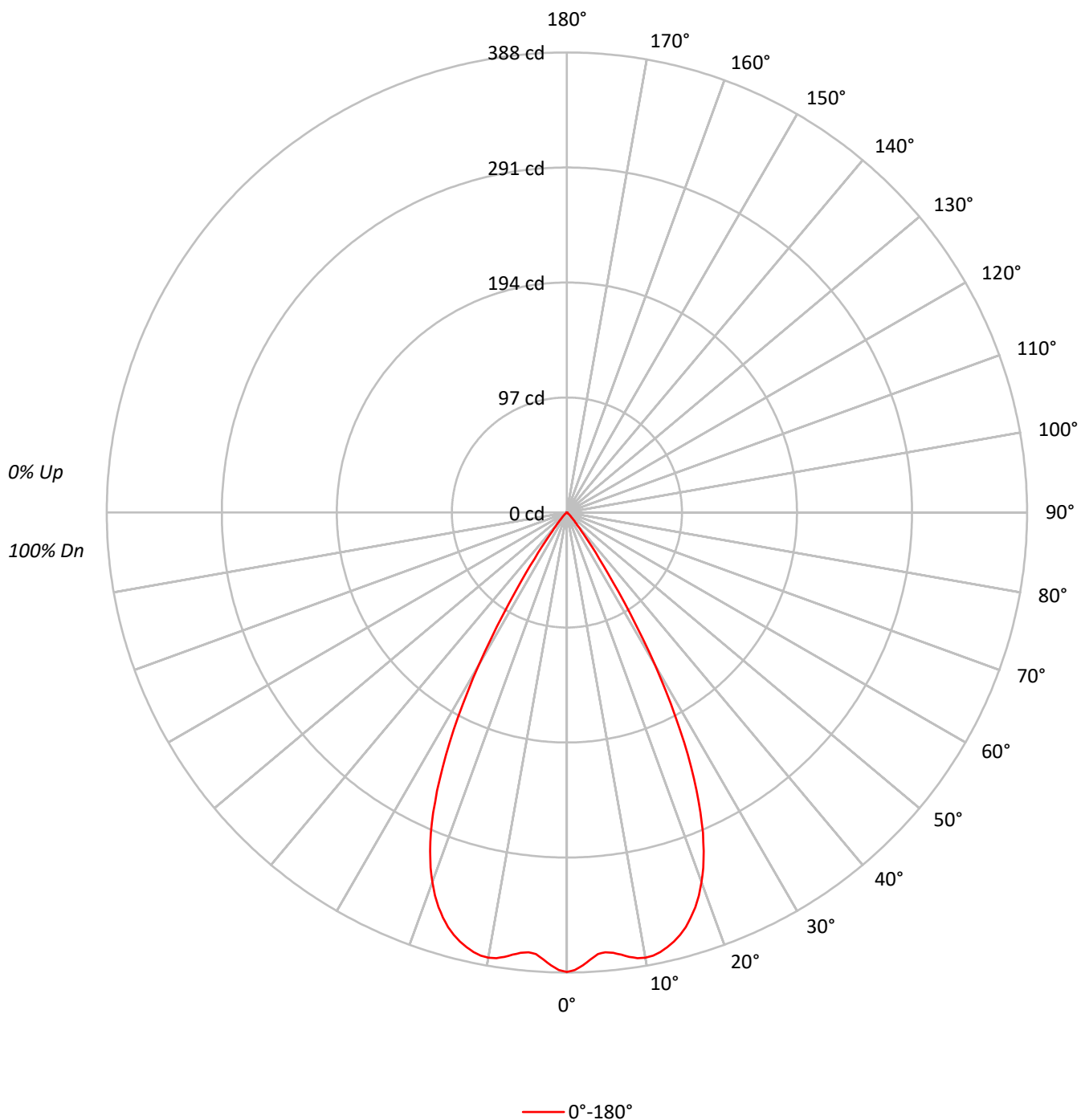
Lumens per Lamp: N/A
Luminaire Lumens: 292.9 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1248202

CATALOG NUMBER: P3AS02R559027DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1248202

CATALOG NUMBER: P3AS02R559027DE010 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	83	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°	84971
5°	81950
10°	84879
15°	83701
20°	77450
25°	62641
30°	37550
35°	12715
40°	3492
45°	1551
50°	443
55°	76
60°	44
65°	52
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1551 cd/sqm

TEST NUMBER: P1248202

CATALOG NUMBER: P3AS02R559027DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	12.3
10°-20°	102.6	35.0
20°-30°	114.1	38.9
30°-40°	35.5	12.1
40°-50°	4.3	1.5
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°	252.8	86.3
0°-40°	288.3	98.4
0°-60°	292.8	100.0
0°-90°	292.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	292.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	388	
5°	372	36
15°	369	103
25°	259	114
35°	48	36
45°	5	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1248202

CATALOG NUMBER: P3AS02R559027DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	387.5
1°	386.0
2°	382.2
3°	377.6
4°	373.3
5°	372.3
6°	373.5
7°	375.8
8°	378.5
9°	380.6
10°	381.2
11°	380.8
12°	379.0
13°	376.2
14°	373.0
15°	368.7
16°	363.7
17°	357.3
18°	350.2
19°	341.6
20°	331.9
21°	320.9
22°	307.9
23°	293.5
24°	277.1
25°	258.9
26°	239.0
27°	217.8
28°	195.2
29°	172.0
30°	148.3
31°	124.4
32°	101.2
32.5°	90.8
33°	80.1
34°	62.0
35°	47.5
36°	36.2
37°	26.8
37.5°	22.9
38°	19.9
39°	15.1
40°	12.2
42.5°	7.8
45°	5.0



TEST NUMBER: P1248202

CATALOG NUMBER: P3AS02R559027DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.0
50°	1.3
52.5°	0.4
55°	0.2
57.5°	0.1
60°	0.1
62.5°	0.1
65°	0.1
67.5°	0.1
70°	0.1
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)