

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: P1262409

Luminaire Tested: P3AS09R559727DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1262409
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: P3AS09R559727DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

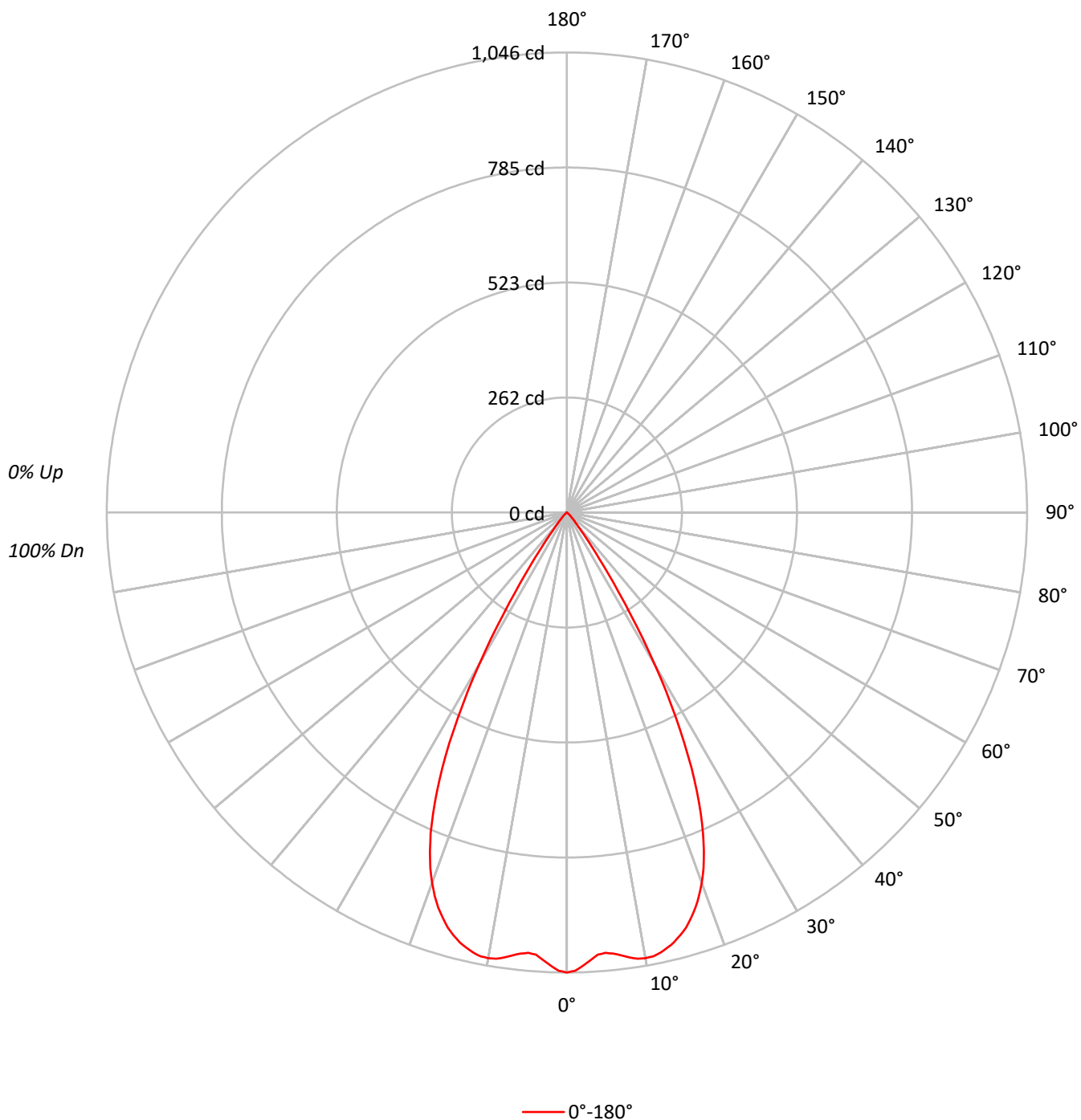
Lumens per Lamp: N/A
Luminaire Lumens: 791.0 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1262409

CATALOG NUMBER: P3AS09R559727DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1262409

CATALOG NUMBER: P3AS09R559727DE010 E3D1LI

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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	92	91	89
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		82	79	76	75
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75	71	68	67
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	64	61	60
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	229390
5°	221263
10°	229165
15°	225949
20°	209108
25°	169123
30°	101357
35°	34345
40°	9475
45°	4186
50°	1228
55°	229
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4186 cd/sqm

TEST NUMBER: P1262409

CATALOG NUMBER: P3AS09R559727DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	12.3
10°-20°	277.1	35.0
20°-30°	308.0	38.9
30°-40°	95.9	12.1
40°-50°	11.5	1.5
50°-60°	0.9	0.1
60°-70°	0.3	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°	682.4	86.3
0°-40°	778.3	98.4
0°-60°	790.7	100.0
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1046	
5°	1005	97
15°	995	277
25°	699	308
35°	128	96
45°	14	12
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1262409

CATALOG NUMBER: P3AS09R559727DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1046.1
1°	1042.2
2°	1031.9
3°	1019.3
4°	1007.9
5°	1005.2
6°	1008.2
7°	1014.5
8°	1021.7
9°	1027.4
10°	1029.2
11°	1028.0
12°	1023.2
13°	1015.7
14°	1007.0
15°	995.3
16°	981.8
17°	964.6
18°	945.4
19°	922.3
20°	896.1
21°	866.4
22°	831.2
23°	792.4
24°	748.0
25°	699.0
26°	645.2
27°	588.1
28°	527.1
29°	464.3
30°	400.3
31°	336.0
32°	273.2
32.5°	245.2
33°	216.4
34°	167.4
35°	128.3
36°	97.7
37°	72.4
37.5°	61.9
38°	53.8
39°	40.9
40°	33.1
42.5°	21.0
45°	13.5



TEST NUMBER: P1262409

CATALOG NUMBER: P3AS09R559727DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	8.1
50°	3.6
52.5°	1.2
55°	0.6
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
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)