

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: P1250429

Luminaire Tested: P3AS24R509027D010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R509027D010 E3D1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

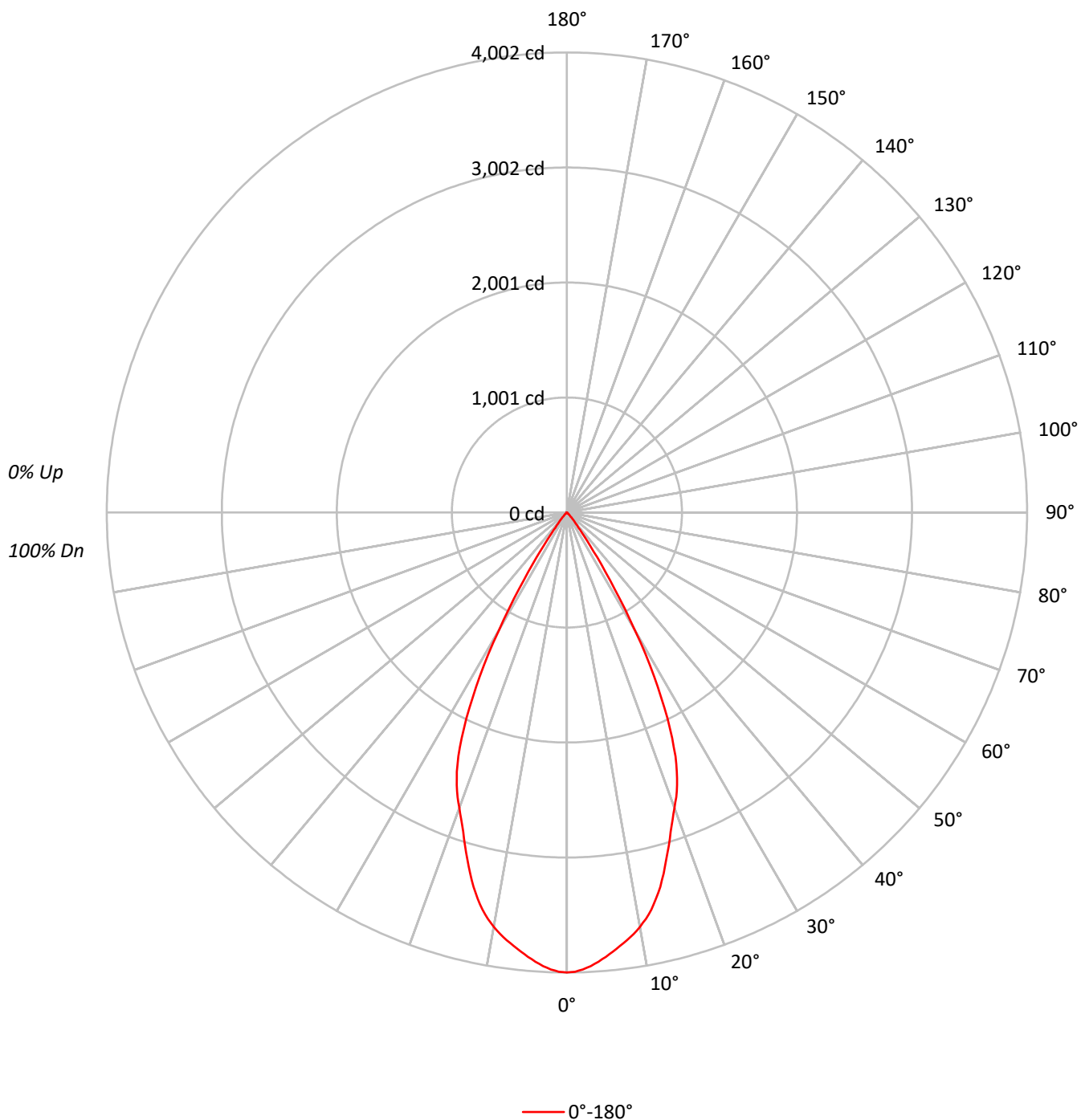
Lumens per Lamp: N/A
Luminaire Lumens: 2511.0 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1250429

CATALOG NUMBER: P3AS24R509027D010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1250429

CATALOG NUMBER: P3AS24R509027D010 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	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	877495
5°	854125
10°	815082
15°	737893
20°	638386
25°	523651
30°	300806
35°	93451
40°	25104
45°	8776
50°	2115
55°	688
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8776 cd/sqm

TEST NUMBER: P1250429

CATALOG NUMBER: P3AS24R509027D010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.4	14.5
10°-20°	900.6	35.9
20°-30°	946.6	37.7
30°-40°	270.9	10.8
40°-50°	26.4	1.1
50°-60°	2.2	0.1
60°-70°	0.8	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°	2210.7	88.0
0°-40°	2481.6	98.8
0°-60°	2510.2	100.0
0°-90°	2511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2511.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4002	
5°	3880	363
15°	3250	901
25°	2164	947
35°	349	271
45°	28	26
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1250429

CATALOG NUMBER: P3AS24R509027D010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	4001.7
1°	3995.5
2°	3977.8
3°	3952.1
4°	3917.5
5°	3880.3
6°	3840.5
7°	3797.9
8°	3758.1
9°	3712.0
10°	3660.6
11°	3601.3
12°	3533.0
13°	3448.0
14°	3355.9
15°	3250.4
16°	3138.8
17°	3030.7
18°	2920.0
19°	2822.5
20°	2735.7
21°	2652.4
22°	2557.6
23°	2448.7
24°	2321.1
25°	2164.3
26°	1994.2
27°	1804.6
28°	1615.9
29°	1412.2
30°	1188.0
31°	978.1
32°	784.9
32.5°	700.8
33°	615.7
34°	472.2
35°	349.1
36°	256.0
37°	190.5
37.5°	164.8
38°	142.6
39°	110.7
40°	87.7
42.5°	49.6
45°	28.3

TEST NUMBER: P1250429

CATALOG NUMBER: P3AS24R509027D010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	15.9
50°	6.2
52.5°	2.7
55°	1.8
57.5°	1.8
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
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)