

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: P1255153

Luminaire Tested: P3AS17R509035DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255153
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: P3AS17R509035DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

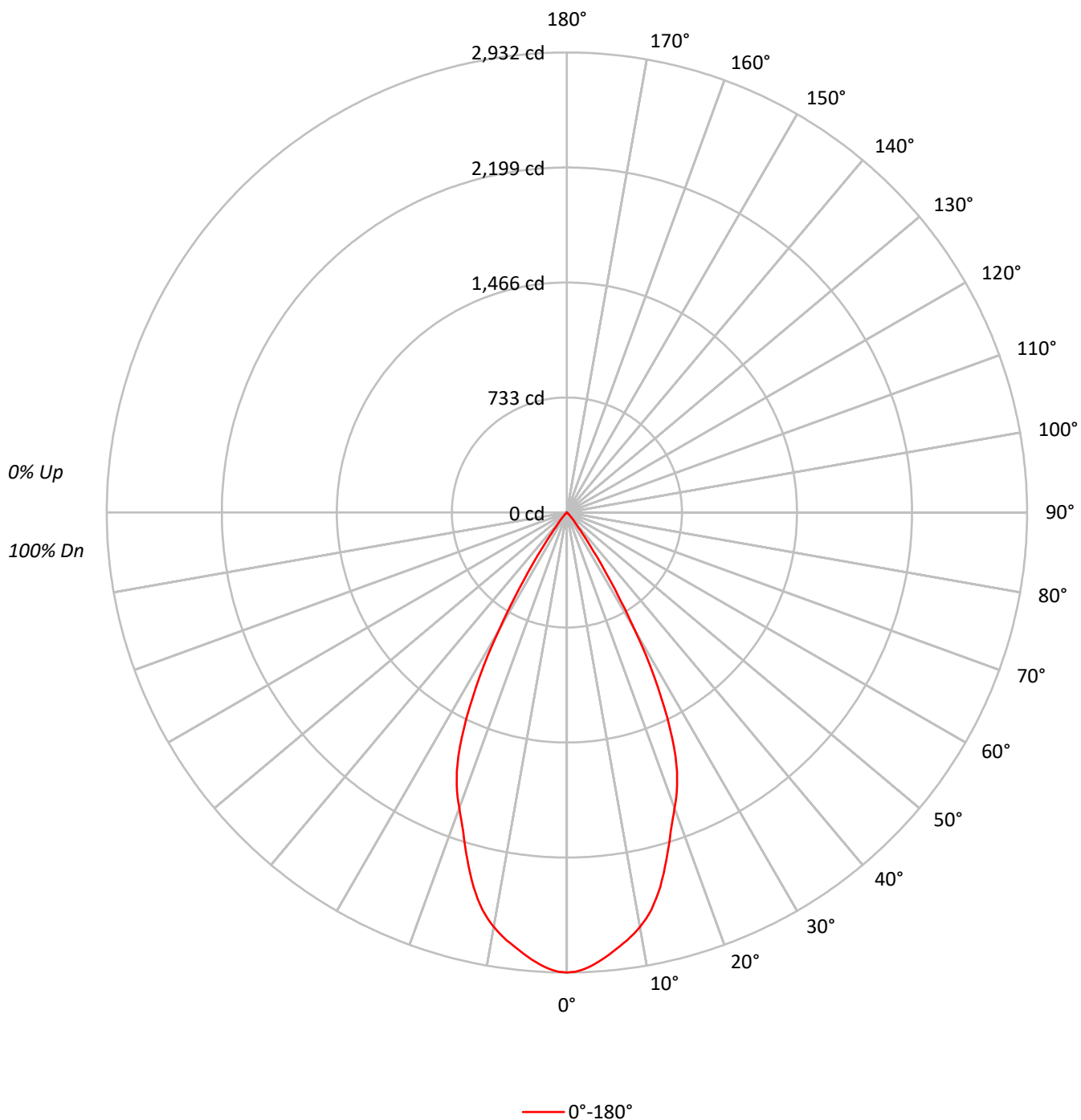
Lumens per Lamp: N/A
Luminaire Lumens: 1839.9 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1255153

CATALOG NUMBER: P3AS17R509035DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1255153

CATALOG NUMBER: P3AS17R509035DE010 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°	642997
5°	625884
10°	597272
15°	540707
20°	467804
25°	383708
30°	220439
35°	68476
40°	18406
45°	6450
50°	1535
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: 6450 cd/sqm

TEST NUMBER: P1255153

CATALOG NUMBER: P3AS17R509035DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.3	14.5
10°-20°	660.0	35.9
20°-30°	693.7	37.7
30°-40°	198.5	10.8
40°-50°	19.4	1.1
50°-60°	1.6	0.1
60°-70°	0.5	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°	1619.9	88.0
0°-40°	1818.5	98.8
0°-60°	1839.4	100.0
0°-90°	1839.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1839.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2932	
5°	2843	266
15°	2382	660
25°	1586	694
35°	256	199
45°	21	19
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1255153

CATALOG NUMBER: P3AS17R509035DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2932.3
1°	2927.8
2°	2914.8
3°	2896.0
4°	2870.7
5°	2843.4
6°	2814.2
7°	2783.0
8°	2753.8
9°	2720.1
10°	2682.4
11°	2638.9
12°	2588.9
13°	2526.6
14°	2459.1
15°	2381.8
16°	2300.0
17°	2220.8
18°	2139.7
19°	2068.3
20°	2004.7
21°	1943.6
22°	1874.2
23°	1794.3
24°	1700.9
25°	1585.9
26°	1461.3
27°	1322.4
28°	1184.1
29°	1034.8
30°	870.6
31°	716.7
32°	575.2
32.5°	513.5
33°	451.2
34°	346.0
35°	255.8
36°	187.6
37°	139.6
37.5°	120.7
38°	104.5
39°	81.1
40°	64.3
42.5°	36.4
45°	20.8

TEST NUMBER: P1255153

CATALOG NUMBER: P3AS17R509035DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	11.7
50°	4.5
52.5°	1.9
55°	1.3
57.5°	1.3
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
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)