

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: P1301549

Luminaire Tested: P3AS17R50W2N902765DE010 E3D1WH\_5000K

Issue Date: 1/29/2026

**Test Information**

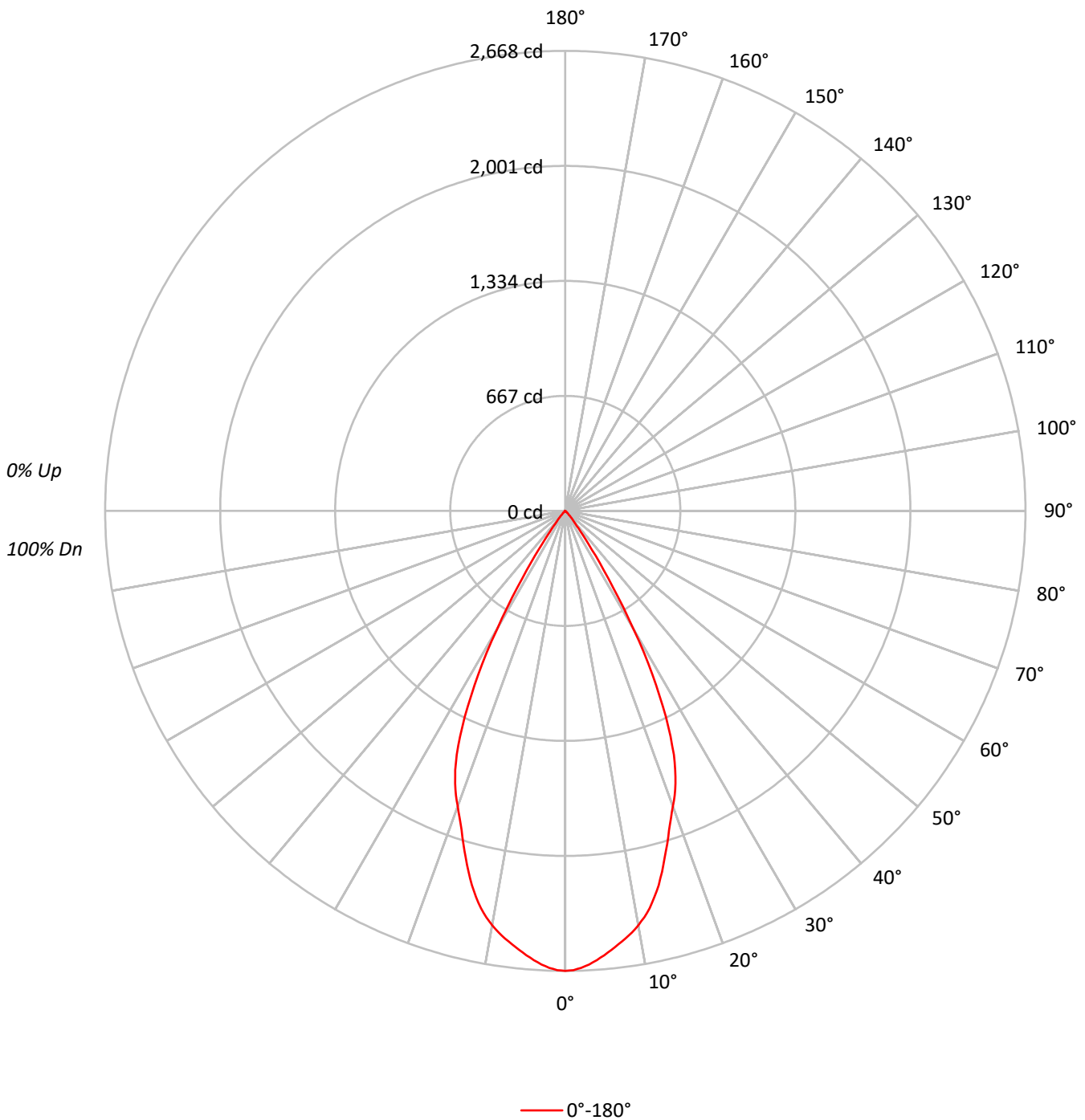
Test Method: LM-79-2019  
Report Number: P1301549  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R50W2N902765DE010 E3D1WH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,  
E3D1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1674.0 lumens  
Efficiency: N/A  
Efficacy: 86.3 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): 19.4  
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: P1301549  
CATALOG NUMBER: P3AS17R50W2N902765DE010 E3D1WH\_5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1301549

CATALOG NUMBER: P3AS17R50W2N902765DE010 E3D1WH\_5000K

**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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	91	88	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	87	84	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	76	72	70	68
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	67	63	60	59

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	584997
5°	569424
10°	543388
15°	491944
20°	425590
25°	349109
30°	200537
35°	62292
40°	16746
45°	5861
50°	1399
55°	459
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5861 cd/sqm



TEST NUMBER: P1301549

CATALOG NUMBER: P3AS17R50W2N902765DE010 E3D1WH\_5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.3	14.5
10°-20°	600.4	35.9
20°-30°	631.1	37.7
30°-40°	180.6	10.8
40°-50°	17.6	1.1
50°-60°	1.4	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°	1473.8	88.0
0°-40°	1654.4	98.8
0°-60°	1673.5	100.0
0°-90°	1674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1674.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2668	
5°	2587	242
15°	2167	600
25°	1443	631
35°	233	181
45°	19	18
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1301549  
CATALOG NUMBER: P3AS17R50W2N902765DE010 E3D1WH\_5000K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2667.8
1°	2663.7
2°	2651.9
3°	2634.7
4°	2611.7
5°	2586.9
6°	2560.3
7°	2532.0
8°	2505.4
9°	2474.7
10°	2440.4
11°	2400.8
12°	2355.4
13°	2298.7
14°	2237.2
15°	2167.0
16°	2092.5
17°	2020.5
18°	1946.7
19°	1881.7
20°	1823.8
21°	1768.3
22°	1705.1
23°	1632.5
24°	1547.4
25°	1442.9
26°	1329.5
27°	1203.1
28°	1077.3
29°	941.4
30°	792.0
31°	652.0
32°	523.3
32.5°	467.2
33°	410.5
34°	314.8
35°	232.7
36°	170.7
37°	127.0
37.5°	109.9
38°	95.1
39°	73.8
40°	58.5
42.5°	33.1
45°	18.9



TEST NUMBER: P1301549  
CATALOG NUMBER: P3AS17R50W2N902765DE010 E3D1WH\_5000K

**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	10.6
50°	4.1
52.5°	1.8
55°	1.2
57.5°	1.2
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)