

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: P1301443

Luminaire Tested: P3A17R50W2N902750DE010 E3DLD1LI\_3500K

Issue Date: 1/30/2026

**Test Information**

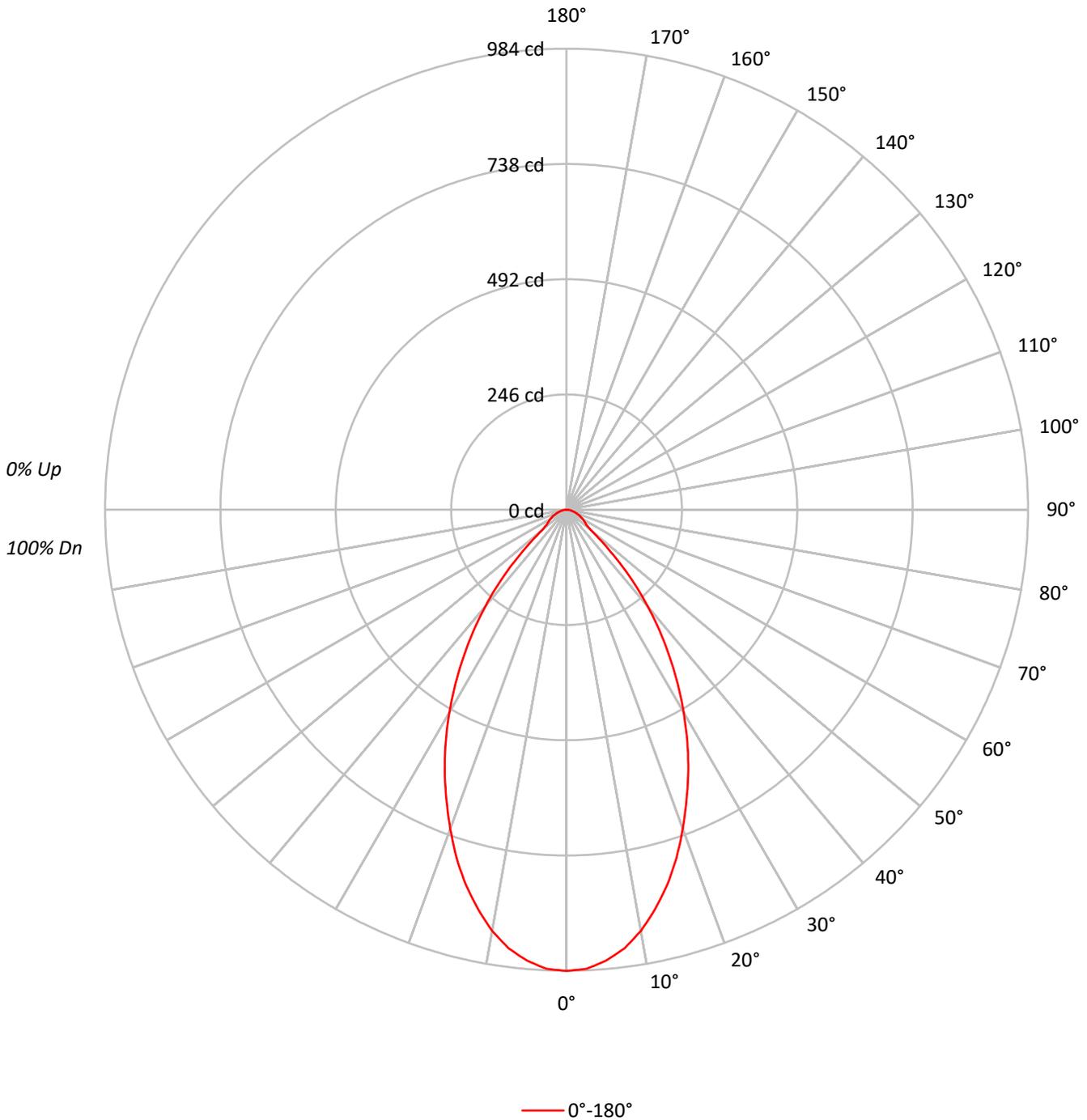
Test Method: LM-79-2019  
Report Number: P1301443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R50W2N902750DE010 E3DLD1LI\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,  
E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1062.0 lumens  
Efficiency: N/A  
Efficacy: 54.7 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
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

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### Luminous Intensity Polar Plot





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**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	100			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63			
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43			

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

	0°
0°	215816
5°	212634
10°	203225
15°	188219
20°	169135
25°	148678
30°	126450
35°	102526
40°	77030
45°	49618
50°	23573
55°	18542
60°	17542
65°	16344
70°	14746
75°	13386
80°	12249
85°	12077

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 49618 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.5	8.5
10°-20°	231.2	21.8
20°-30°	280.8	26.4
30°-40°	238.2	22.4
40°-50°	123.7	11.6
50°-60°	44.6	4.2
60°-70°	30.9	2.9
70°-80°	16.8	1.6
80°-90°	5.3	0.5
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°	602.5	56.7
0°-40°	840.7	79.2
0°-60°	1009.1	95.0
0°-90°	1062.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1062.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	984	
5°	966	91
15°	829	231
25°	614	281
35°	383	238
45°	160	124
55°	48	45
65°	32	31
75°	16	17
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	984.2
2.5°	980.6
5°	966.0
7.5°	944.2
10°	912.7
12.5°	872.7
15°	829.1
17.5°	779.4
20°	724.8
22.5°	669.1
25°	614.5
27.5°	557.6
30°	499.4
32.5°	441.2
35°	383.0
37.5°	326.1
40°	269.1
42.5°	214.5
45°	160.0
47.5°	106.7
50°	69.1
52.5°	53.3
55°	48.5
57.5°	43.6
60°	40.0
62.5°	35.2
65°	31.5
67.5°	26.7
70°	23.0
72.5°	19.4
75°	15.8
77.5°	12.1
80°	9.7
82.5°	7.3
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)