

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: P1293860

Luminaire Tested: P3A09R50W2N902750DE010 E3DLD1MW\_5000K

Issue Date: 1/30/2026

**Test Information**

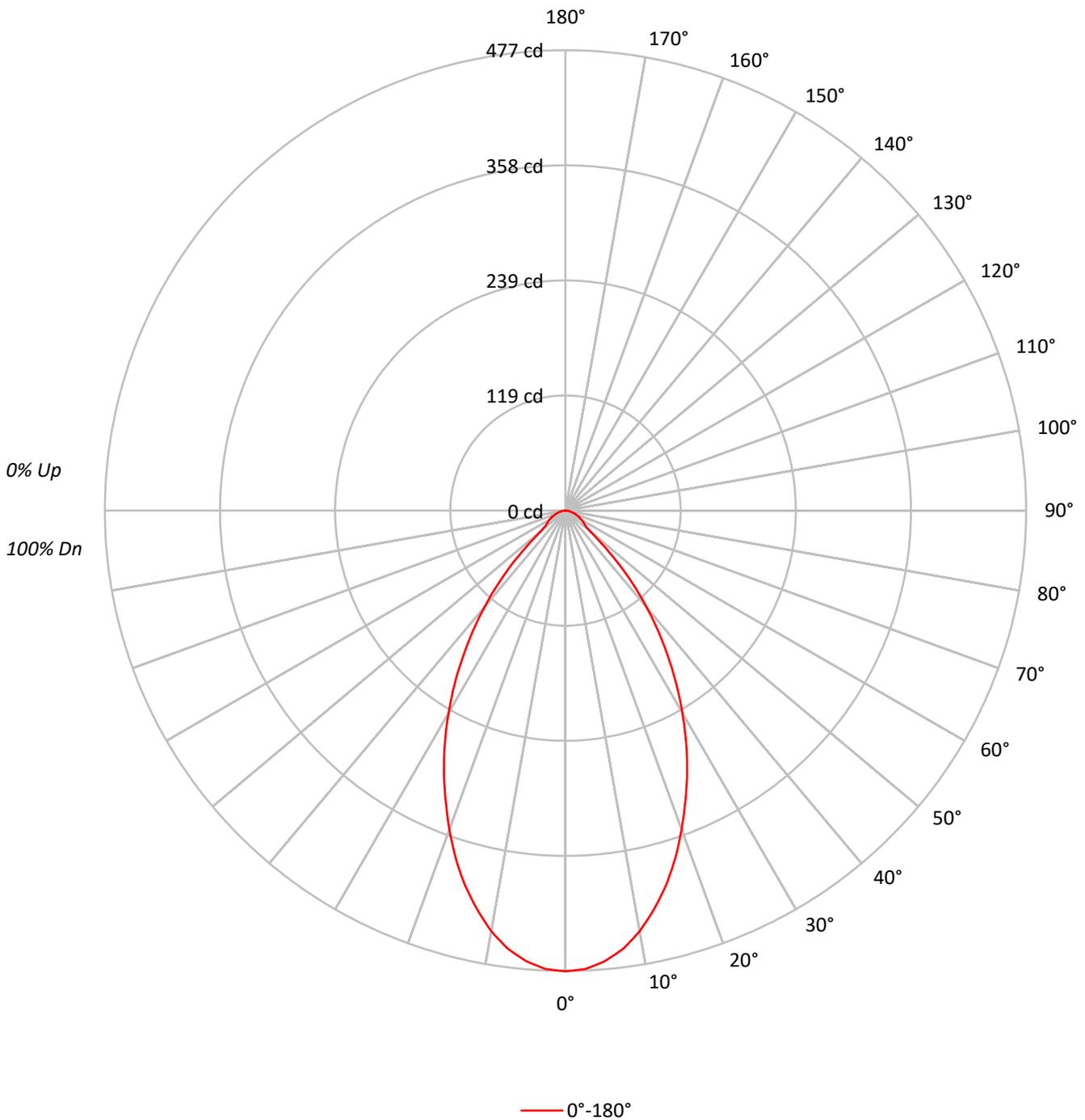
Test Method: LM-79-2019  
Report Number: P1293860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R50W2N902750DE010 E3DLD1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,  
E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 515.0 lumens  
Efficiency: N/A  
Efficacy: 57.2 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): 9  
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°	104663
5°	103125
10°	98551
15°	91260
20°	82024
25°	72101
30°	61326
35°	49710
40°	37356
45°	24065
50°	11428
55°	8984
60°	8508
65°	7939
70°	7181
75°	6439
80°	5935
85°	6038

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24065 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.9	8.5
10°-20°	112.1	21.8
20°-30°	136.2	26.4
30°-40°	115.5	22.4
40°-50°	60.0	11.6
50°-60°	21.7	4.2
60°-70°	15.0	2.9
70°-80°	8.1	1.6
80°-90°	2.6	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°	292.2	56.7
0°-40°	407.7	79.2
0°-60°	489.3	95.0
0°-90°	515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	515.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	477	
5°	468	44
15°	402	112
25°	298	136
35°	186	116
45°	78	60
55°	24	22
65°	15	15
75°	8	8
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	477.3
2.5°	475.5
5°	468.5
7.5°	457.9
10°	442.6
12.5°	423.2
15°	402.0
17.5°	377.9
20°	351.5
22.5°	324.5
25°	298.0
27.5°	270.4
30°	242.2
32.5°	214.0
35°	185.7
37.5°	158.1
40°	130.5
42.5°	104.0
45°	77.6
47.5°	51.7
50°	33.5
52.5°	25.9
55°	23.5
57.5°	21.2
60°	19.4
62.5°	17.0
65°	15.3
67.5°	12.9
70°	11.2
72.5°	9.4
75°	7.6
77.5°	5.9
80°	4.7
82.5°	3.5
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)