

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: P1294072

Luminaire Tested: P3AS09R50W2N902765DE010 E3DLP1WMH\_4000K

Issue Date: 1/30/2026

**Test Information**

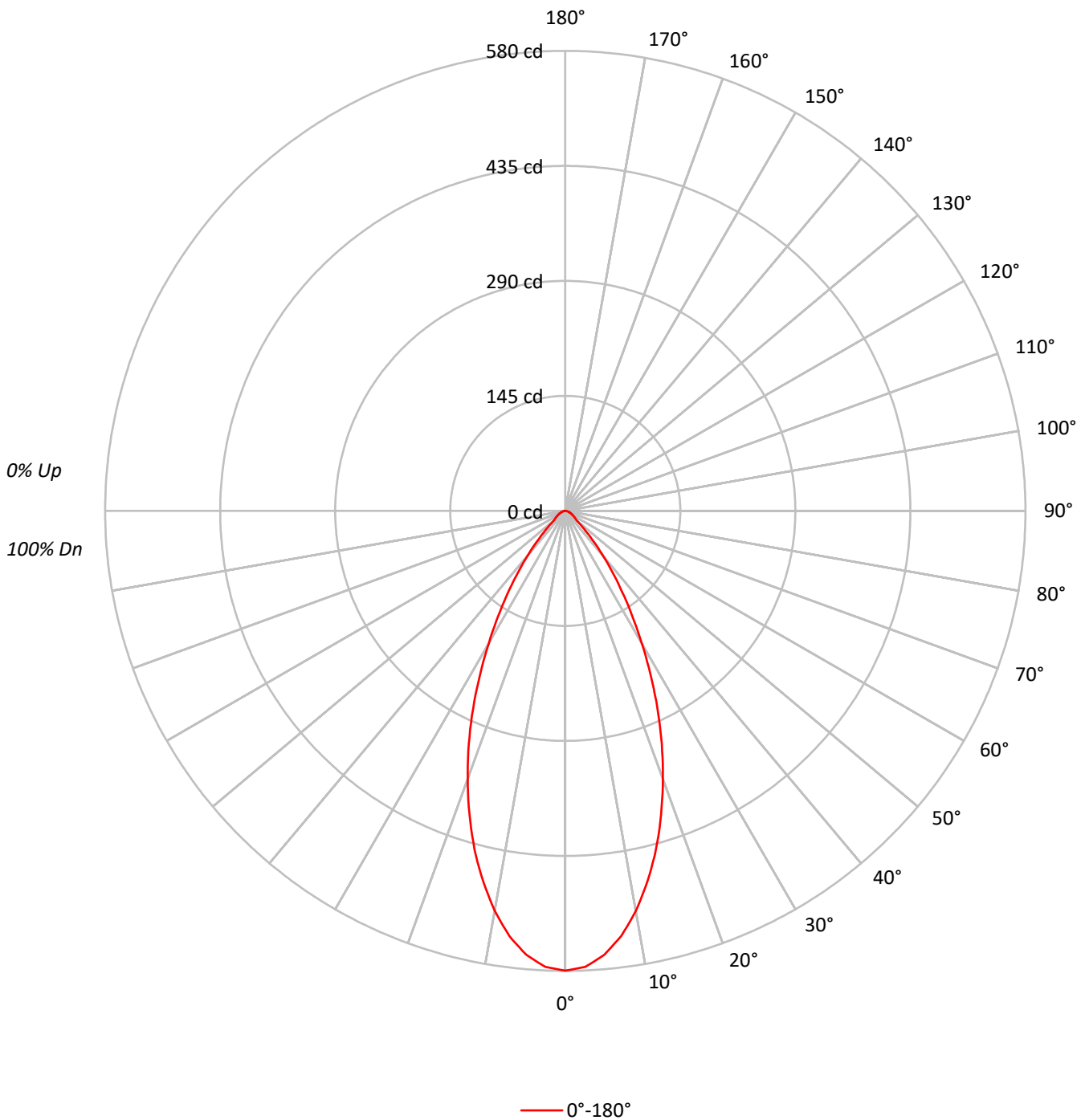
Test Method: LM-79-2019  
Report Number: P1294072  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R50W2N902765DE010 E3DLP1WMH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,  
E3DLP1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 437.0 lumens  
Efficiency: N/A  
Efficacy: 48.6 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77  
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	100	100	100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79	79	79	79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73	73	73	73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68	68	68	68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64	64	64	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60	60	60	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56	56	56	56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53	53	53	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50	50	50	50

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

	0°
0°	127095
5°	123684
10°	114048
15°	100296
20°	83914
25°	66536
30°	48818
35°	33569
40°	21326
45°	11908
50°	6448
55°	5429
60°	4649
65°	4307
70°	3783
75°	3474
80°	3031
85°	3019

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11908 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.1	11.9
10°-20°	122.4	28.0
20°-30°	125.1	28.6
30°-40°	79.4	18.2
40°-50°	31.6	7.2
50°-60°	12.8	2.9
60°-70°	8.2	1.9
70°-80°	4.2	1.0
80°-90°	1.3	0.3
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°	299.6	68.6
0°-40°	378.9	86.7
0°-60°	423.3	96.9
0°-90°	437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	437.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	580	
5°	562	52
15°	442	122
25°	275	125
35°	125	79
45°	38	32
55°	14	13
65°	8	8
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	579.6
2.5°	575.5
5°	561.9
7.5°	540.6
10°	512.2
12.5°	478.5
15°	441.8
17.5°	401.6
20°	359.6
22.5°	317.6
25°	275.0
27.5°	232.4
30°	192.8
32.5°	157.3
35°	125.4
37.5°	98.2
40°	74.5
42.5°	55.0
45°	38.4
47.5°	26.0
50°	18.9
52.5°	16.0
55°	14.2
57.5°	12.4
60°	10.6
62.5°	9.5
65°	8.3
67.5°	7.1
70°	5.9
72.5°	4.7
75°	4.1
77.5°	3.0
80°	2.4
82.5°	1.8
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)