

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: P1292843

Luminaire Tested: P3A09R30W2N902765DE010 E3PHLD1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

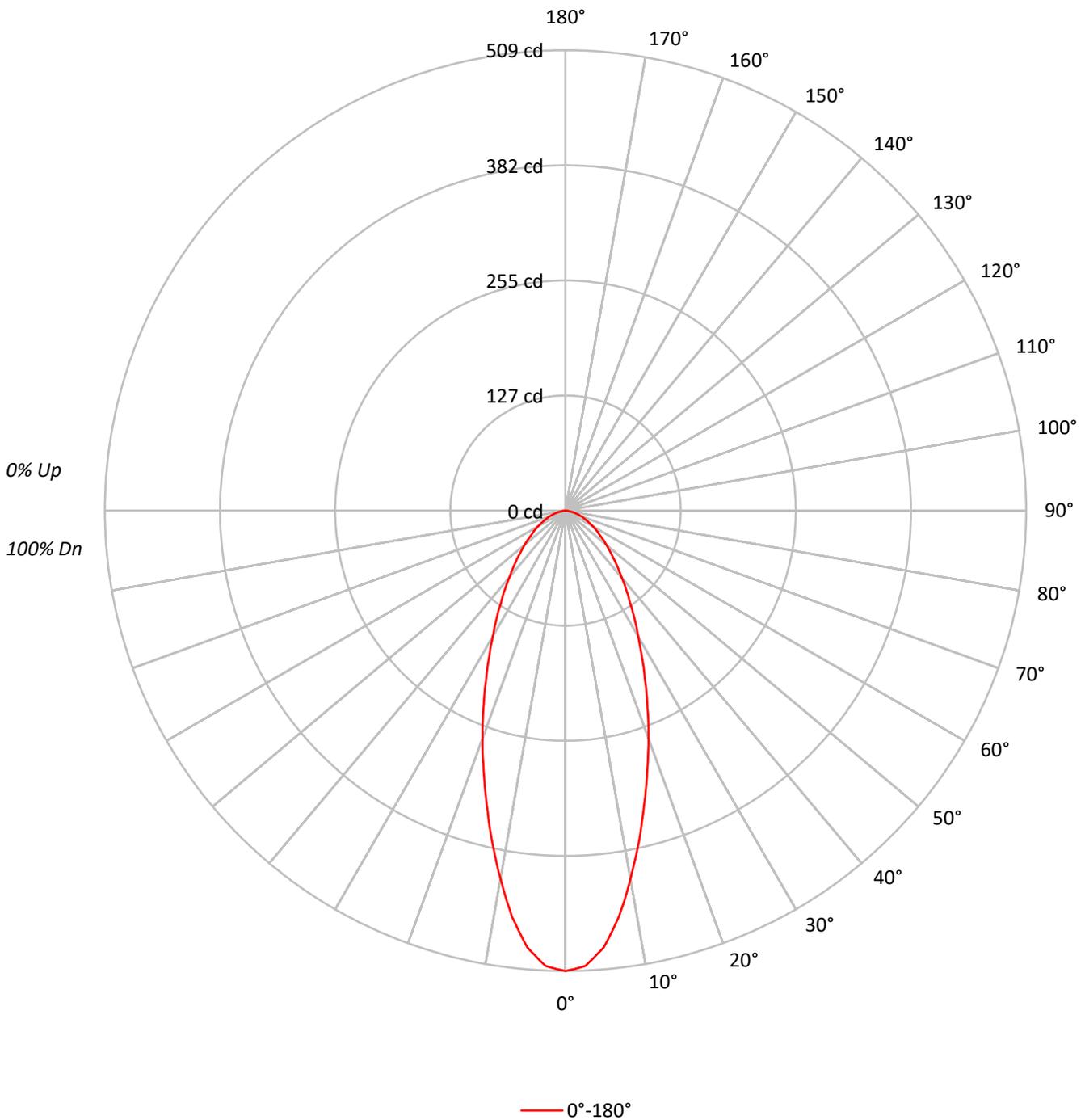
Test Method: LM-79-2019  
Report Number: P1292843  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R30W2N902765DE010 E3PHLD1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 453.0 lumens  
Efficiency: N/A  
Efficacy: 50.3 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	46
9	68	57	50	45	66	56	49	45	55	49	45	54	49	45	53	48	44	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

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

	0°
0°	111636
5°	106691
10°	92027
15°	76277
20°	62539
25°	50398
30°	40614
35°	33274
40°	27652
45°	23444
50°	20059
55°	17357
60°	15481
65°	13490
70°	11861
75°	9997
80°	7450
85°	4277

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 23444 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.9	9.7
10°-20°	93.7	20.7
20°-30°	96.0	21.2
30°-40°	78.5	17.3
40°-50°	58.7	13.0
50°-60°	41.3	9.1
60°-70°	25.9	5.7
70°-80°	12.5	2.8
80°-90°	2.4	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°	233.7	51.6
0°-40°	312.2	68.9
0°-60°	412.2	91.0
0°-90°	453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	453.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	509	
5°	485	44
15°	336	94
25°	208	96
35°	124	78
45°	76	59
55°	45	41
65°	26	26
75°	12	13
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	509.1
2.5°	504.0
5°	484.7
7.5°	452.8
10°	413.3
12.5°	374.7
15°	336.0
17.5°	300.7
20°	268.0
22.5°	236.9
25°	208.3
27.5°	183.1
30°	160.4
32.5°	142.0
35°	124.3
37.5°	110.0
40°	96.6
42.5°	85.7
45°	75.6
47.5°	66.4
50°	58.8
52.5°	52.1
55°	45.4
57.5°	40.3
60°	35.3
62.5°	30.2
65°	26.0
67.5°	21.8
70°	18.5
72.5°	15.1
75°	11.8
77.5°	8.4
80°	5.9
82.5°	3.4
85°	1.7
87.5°	0.8
90°	0.0

(END OF REPORT)