

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: P1292847

Luminaire Tested: P3A09R30W2N902765DE010 E3PHLD1MW\_6500K

Issue Date: 1/29/2026

**Test Information**

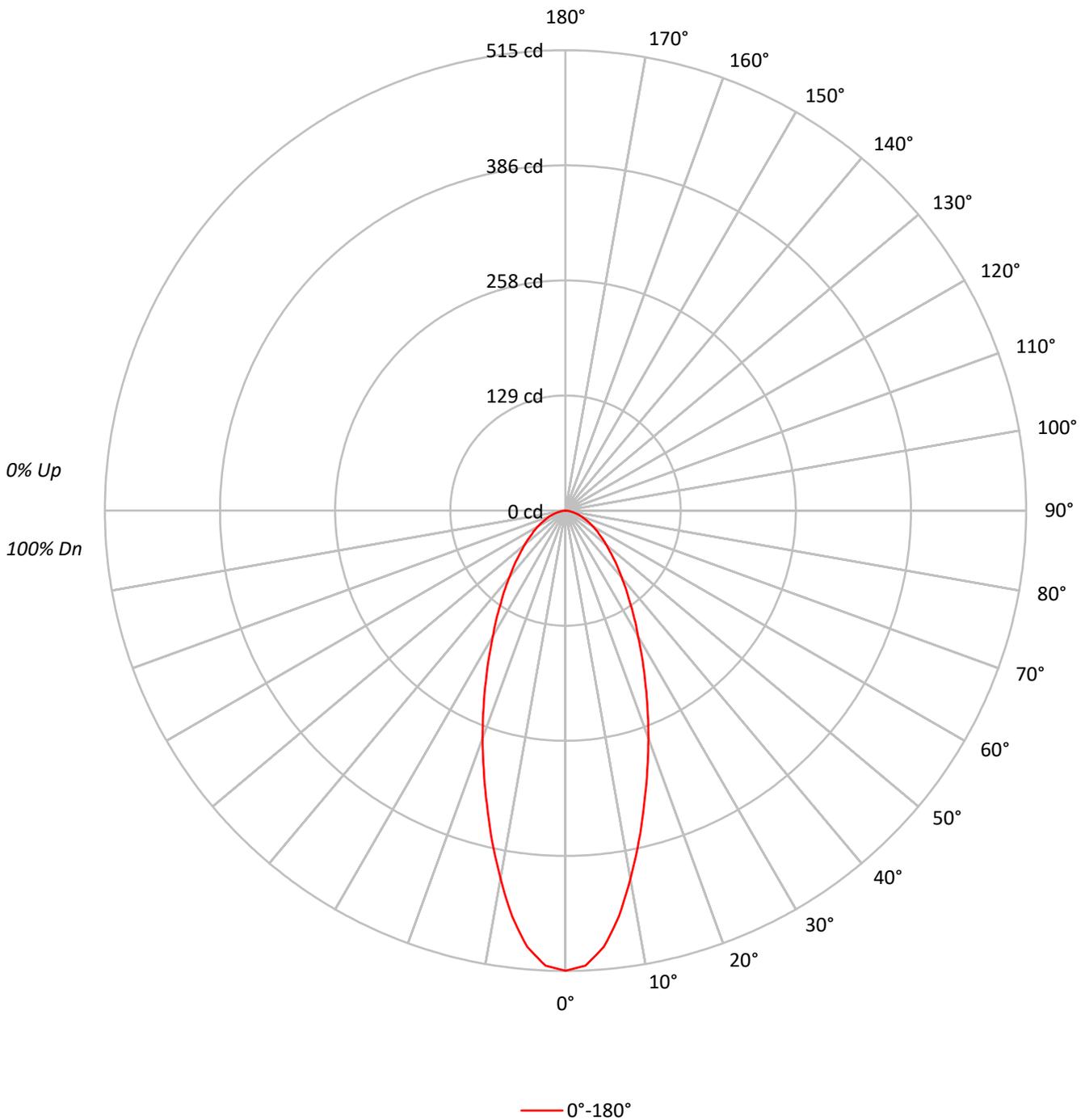
Test Method: LM-79-2019  
Report Number: P1292847  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R30W2N902765DE010 E3PHLD1MW\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 6500K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 458.0 lumens  
Efficiency: N/A  
Efficacy: 50.9 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°	112864
5°	107858
10°	93051
15°	77117
20°	63215
25°	50955
30°	41070
35°	33649
40°	27967
45°	23692
50°	20298
55°	17548
60°	15657
65°	13646
70°	11989
75°	10082
80°	7450
85°	4277

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 23692 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.4	9.7
10°-20°	94.7	20.7
20°-30°	97.1	21.2
30°-40°	79.4	17.3
40°-50°	59.4	13.0
50°-60°	41.7	9.1
60°-70°	26.2	5.7
70°-80°	12.6	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°	236.2	51.6
0°-40°	315.6	68.9
0°-60°	416.7	91.0
0°-90°	458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	458.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	515	
5°	490	44
15°	340	95
25°	211	97
35°	126	79
45°	76	59
55°	46	42
65°	26	26
75°	12	13
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	514.7
2.5°	509.6
5°	490.0
7.5°	457.8
10°	417.9
12.5°	378.8
15°	339.7
17.5°	304.0
20°	270.9
22.5°	239.5
25°	210.6
27.5°	185.1
30°	162.2
32.5°	143.5
35°	125.7
37.5°	111.3
40°	97.7
42.5°	86.6
45°	76.4
47.5°	67.1
50°	59.5
52.5°	52.7
55°	45.9
57.5°	40.8
60°	35.7
62.5°	30.6
65°	26.3
67.5°	22.1
70°	18.7
72.5°	15.3
75°	11.9
77.5°	8.5
80°	5.9
82.5°	3.4
85°	1.7
87.5°	0.8
90°	0.0

(END OF REPORT)