

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: P1248336

Luminaire Tested: P3AS05R109027DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1248336  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R109027DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R10 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

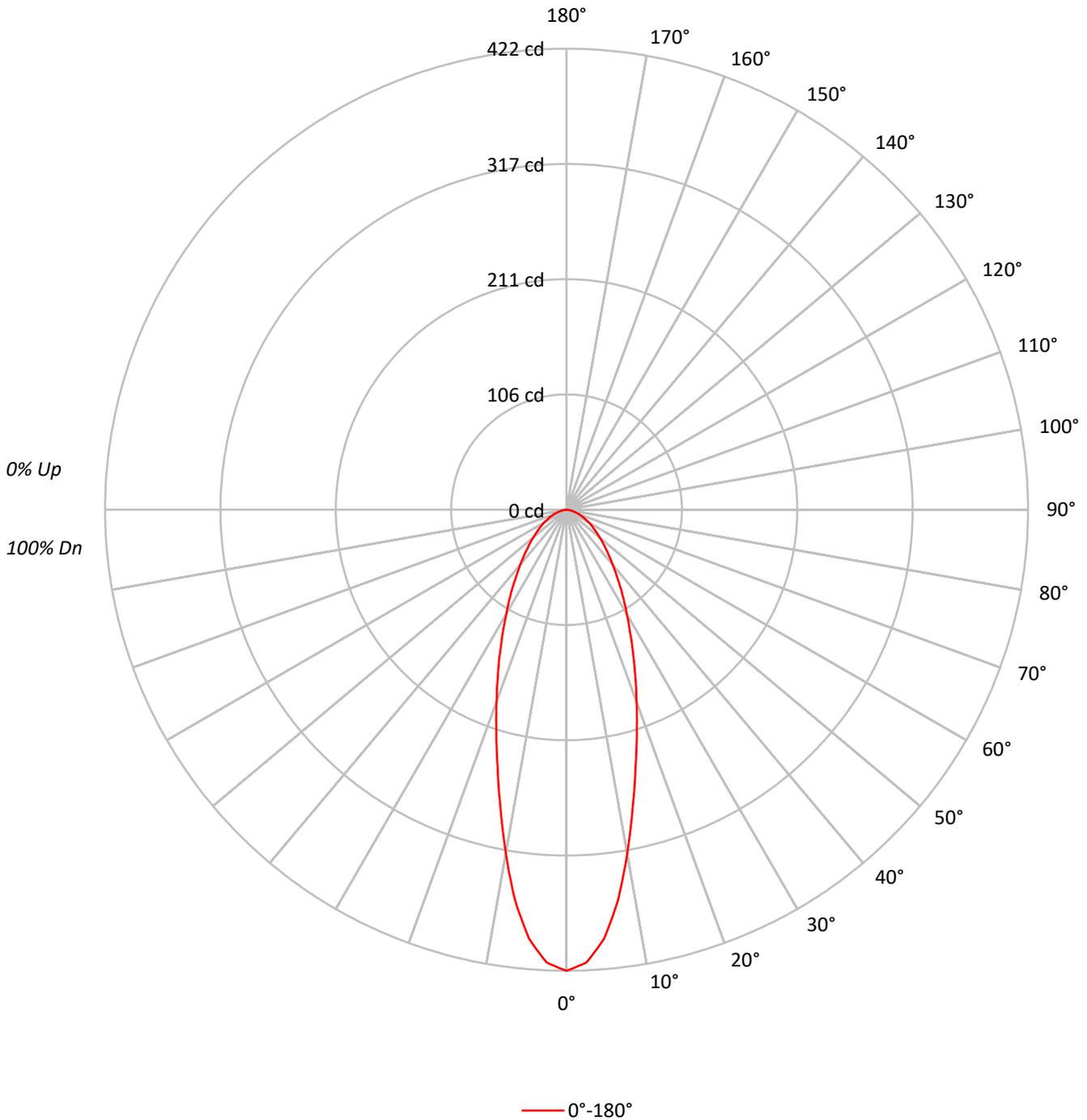
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 318.0 lumens  
Efficiency: N/A  
Efficacy: 40.3 lumens/watt  
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1248336  
CATALOG NUMBER: P3AS05R109027DE010 E3PHLD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1248336  
 CATALOG NUMBER: P3AS05R109027DE010 E3PHLD1MW

**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	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90	90	90	90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80	80	80	80
3	98	90	83	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60	60	60	60
6	81	70	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55	55	55	55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51	51	51	51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47	47	47	47
9	69	58	51	46	68	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44	44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42	42	42	42

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

	0°
0°	92536
5°	86749
10°	71141
15°	55256
20°	43614
25°	34768
30°	27903
35°	22781
40°	18778
45°	15785
50°	13577
55°	11737
60°	10394
65°	9028
70°	8078
75°	6524
80°	5304
85°	3522

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15785 cd/sqm



TEST NUMBER: P1248336  
 CATALOG NUMBER: P3AS05R109027DE010 E3PHLD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.2	11.1
10°-20°	68.2	21.4
20°-30°	66.3	20.8
30°-40°	53.6	16.8
40°-50°	39.8	12.5
50°-60°	27.8	8.7
60°-70°	17.4	5.5
70°-80°	8.3	2.6
80°-90°	1.5	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°	169.7	53.4
0°-40°	223.2	70.2
0°-60°	290.8	91.4
0°-90°	318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	318.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	422	
5°	394	35
15°	243	68
25°	144	66
35°	85	54
45°	51	40
55°	31	28
65°	17	17
75°	8	8
85°	1	2
90°	0	

TEST NUMBER: P1248336

CATALOG NUMBER: P3AS05R109027DE010 E3PHLD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	422.0
2.5°	415.0
5°	394.1
7.5°	360.6
10°	319.5
12.5°	279.0
15°	243.4
17.5°	213.4
20°	186.9
22.5°	163.9
25°	143.7
27.5°	125.6
30°	110.2
32.5°	97.0
35°	85.1
37.5°	74.6
40°	65.6
42.5°	57.9
45°	50.9
47.5°	45.3
50°	39.8
52.5°	34.9
55°	30.7
57.5°	27.2
60°	23.7
62.5°	20.2
65°	17.4
67.5°	14.6
70°	12.6
72.5°	9.8
75°	7.7
77.5°	5.6
80°	4.2
82.5°	2.1
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)