

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: P1245964

Luminaire Tested: P3A05R109024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245964
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: P3A05R109024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

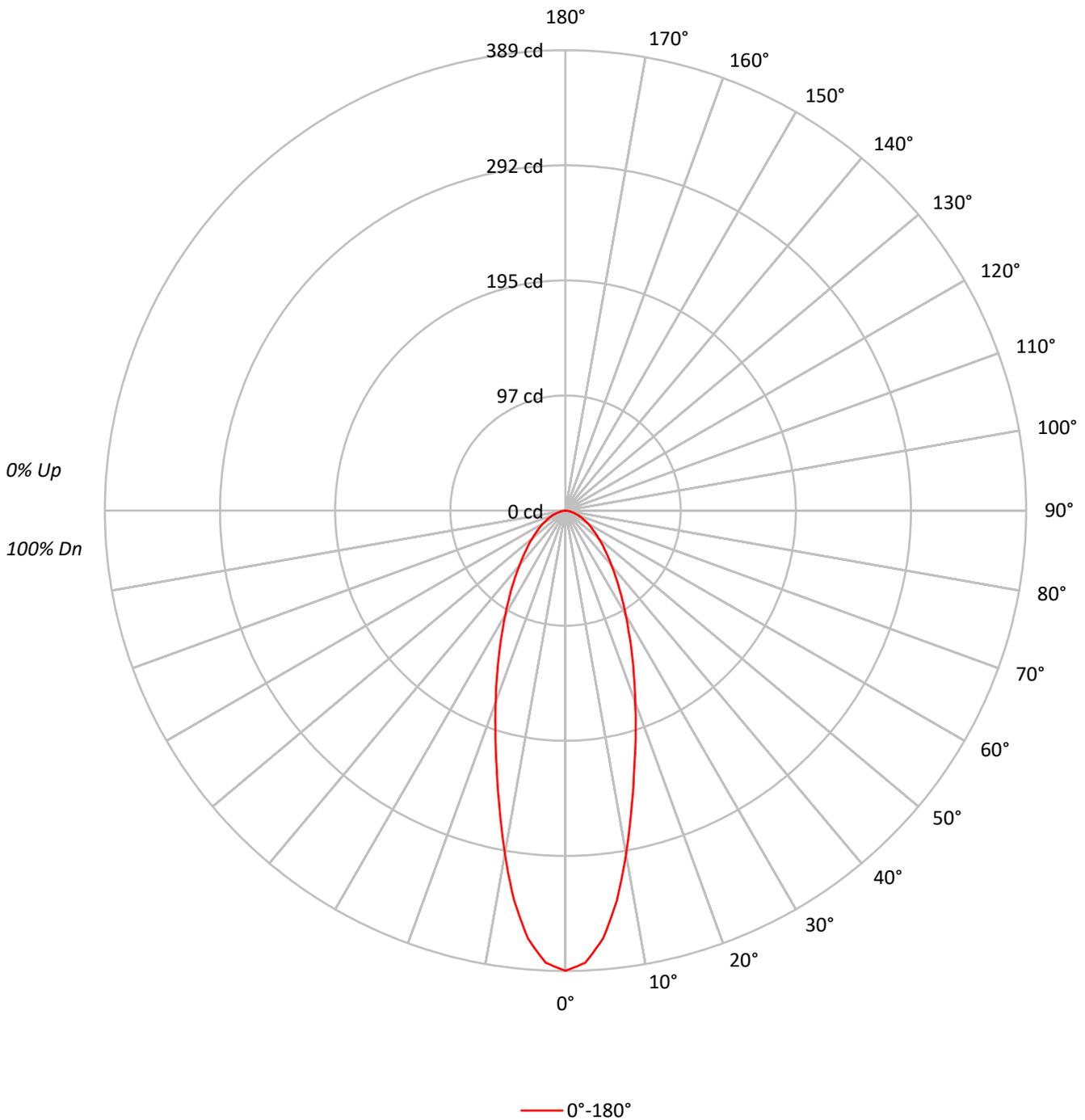
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 293.0 lumens
Efficiency: N/A
Efficacy: 37.1 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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				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
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90				90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80				80
3	98	90	83	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72				72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66				66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60				60
6	81	70	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55				55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51				51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47				47
9	69	58	51	46	68	57	51	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42				42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85256
5°	79925
10°	65552
15°	50920
20°	40183
25°	32034
30°	25700
35°	20987
40°	17290
45°	14544
50°	12486
55°	10819
60°	9604
65°	8354
70°	7437
75°	6015
80°	4925
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14544 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	11.1
10°-20°	62.8	21.4
20°-30°	61.1	20.8
30°-40°	49.4	16.8
40°-50°	36.6	12.5
50°-60°	25.6	8.7
60°-70°	16.1	5.5
70°-80°	7.6	2.6
80°-90°	1.4	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°	156.3	53.4
0°-40°	205.7	70.2
0°-60°	267.9	91.4
0°-90°	293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	293.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	389	
5°	363	32
15°	224	63
25°	132	61
35°	78	49
45°	47	37
55°	28	26
65°	16	16
75°	7	8
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	388.8
2.5°	382.4
5°	363.1
7.5°	332.3
10°	294.4
12.5°	257.1
15°	224.3
17.5°	196.7
20°	172.2
22.5°	151.0
25°	132.4
27.5°	115.7
30°	101.5
32.5°	89.3
35°	78.4
37.5°	68.8
40°	60.4
42.5°	53.3
45°	46.9
47.5°	41.8
50°	36.6
52.5°	32.1
55°	28.3
57.5°	25.1
60°	21.9
62.5°	18.6
65°	16.1
67.5°	13.5
70°	11.6
72.5°	9.0
75°	7.1
77.5°	5.1
80°	3.9
82.5°	1.9
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)