

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: P1264546

Luminaire Tested: P3A09R109730DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1264546
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: P3A09R109730DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 3000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

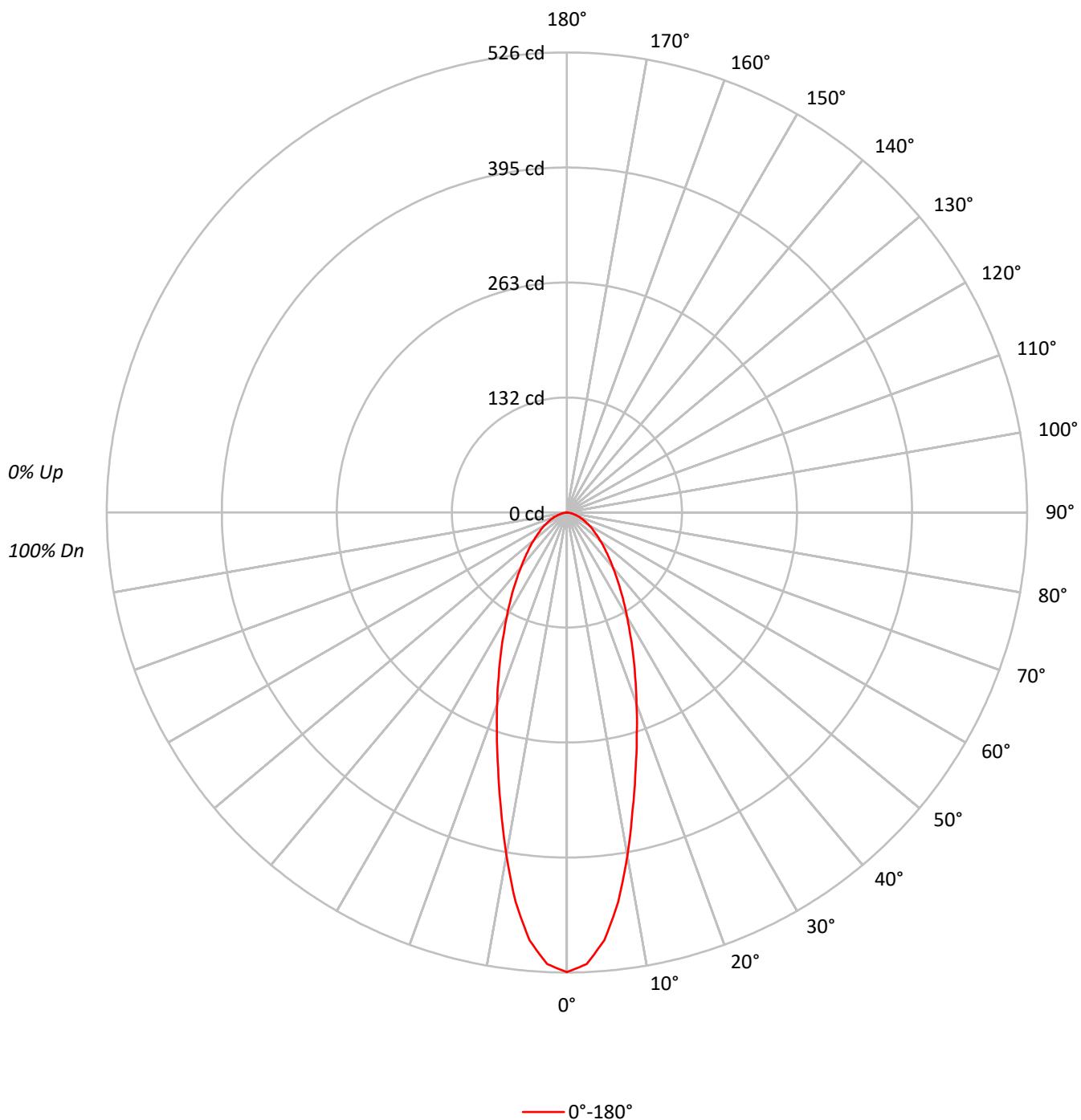
Lumens per Lamp: N/A
Luminaire Lumens: 396.0 lumens
Efficiency: N/A
Efficacy: 31.7 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.5
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95
2	104	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	47	68	57	51	46	56	50	46		55	50	46		54
10	65	54	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115232
5°	108034
10°	88576
15°	68831
20°	54325
25°	43285
30°	34740
35°	28375
40°	23387
45°	19661
50°	16886
55°	14604
60°	12938
65°	11259
70°	10002
75°	8133
80°	6566
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	11.1
10°-20°	84.9	21.4
20°-30°	82.5	20.8
30°-40°	66.7	16.8
40°-50°	49.5	12.5
50°-60°	34.6	8.7
60°-70°	21.7	5.5
70°-80°	10.3	2.6
80°-90°	1.9	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°	211.3	53.4
0°-40°	278.0	70.2
0°-60°	362.1	91.5
0°-90°	396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	396.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	526	
5°	491	44
15°	303	85
25°	179	83
35°	106	67
45°	63	50
55°	38	35
65°	22	22
75°	10	10
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	525.5
2.5°	516.8
5°	490.8
7.5°	449.1
10°	397.8
12.5°	347.5
15°	303.2
17.5°	265.8
20°	232.8
22.5°	204.1
25°	178.9
27.5°	156.4
30°	137.2
32.5°	120.7
35°	106.0
37.5°	92.9
40°	81.7
42.5°	72.1
45°	63.4
47.5°	56.5
50°	49.5
52.5°	43.4
55°	38.2
57.5°	33.9
60°	29.5
62.5°	25.2
65°	21.7
67.5°	18.2
70°	15.6
72.5°	12.2
75°	9.6
77.5°	6.9
80°	5.2
82.5°	2.6
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)