

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: P1269304

Luminaire Tested: P3A09R109740DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269304
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: P3A09R109740DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

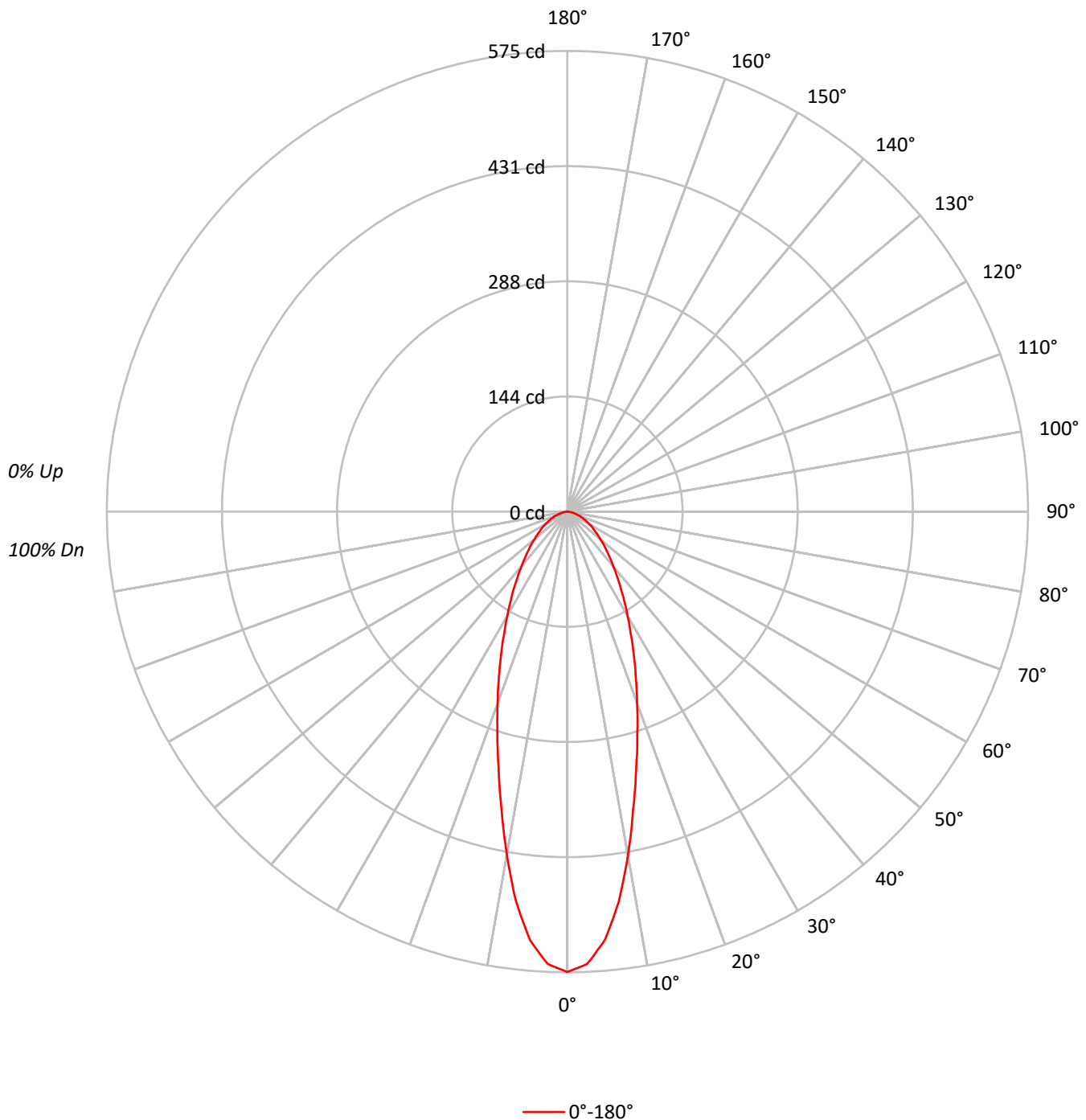
Lumens per Lamp: N/A
Luminaire Lumens: 432.9 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	62	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°	125999
5°	118115
10°	96859
15°	75256
20°	59388
25°	47350
30°	38006
35°	31026
40°	25562
45°	21491
50°	18456
55°	15980
60°	14166
65°	12297
70°	10963
75°	8811
80°	7198
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21491 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	11.1
10°-20°	92.8	21.4
20°-30°	90.3	20.8
30°-40°	72.9	16.8
40°-50°	54.1	12.5
50°-60°	37.8	8.7
60°-70°	23.7	5.5
70°-80°	11.2	2.6
80°-90°	2.1	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°	231.0	53.4
0°-40°	304.0	70.2
0°-60°	395.9	91.5
0°-90°	432.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	432.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	575	
5°	537	48
15°	332	93
25°	196	90
35°	116	73
45°	69	54
55°	42	38
65°	24	24
75°	10	11
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	574.6
2.5°	565.1
5°	536.6
7.5°	491.0
10°	435.0
12.5°	379.9
15°	331.5
17.5°	290.6
20°	254.5
22.5°	223.2
25°	195.7
27.5°	171.0
30°	150.1
32.5°	132.0
35°	115.9
37.5°	101.6
40°	89.3
42.5°	78.8
45°	69.3
47.5°	61.7
50°	54.1
52.5°	47.5
55°	41.8
57.5°	37.0
60°	32.3
62.5°	27.5
65°	23.7
67.5°	19.9
70°	17.1
72.5°	13.3
75°	10.4
77.5°	7.6
80°	5.7
82.5°	2.8
85°	1.9
87.5°	0.0
90°	0.0

(END OF REPORT)