

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: P1246375

Luminaire Tested: P3A09R109024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246375
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: P3A09R109024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

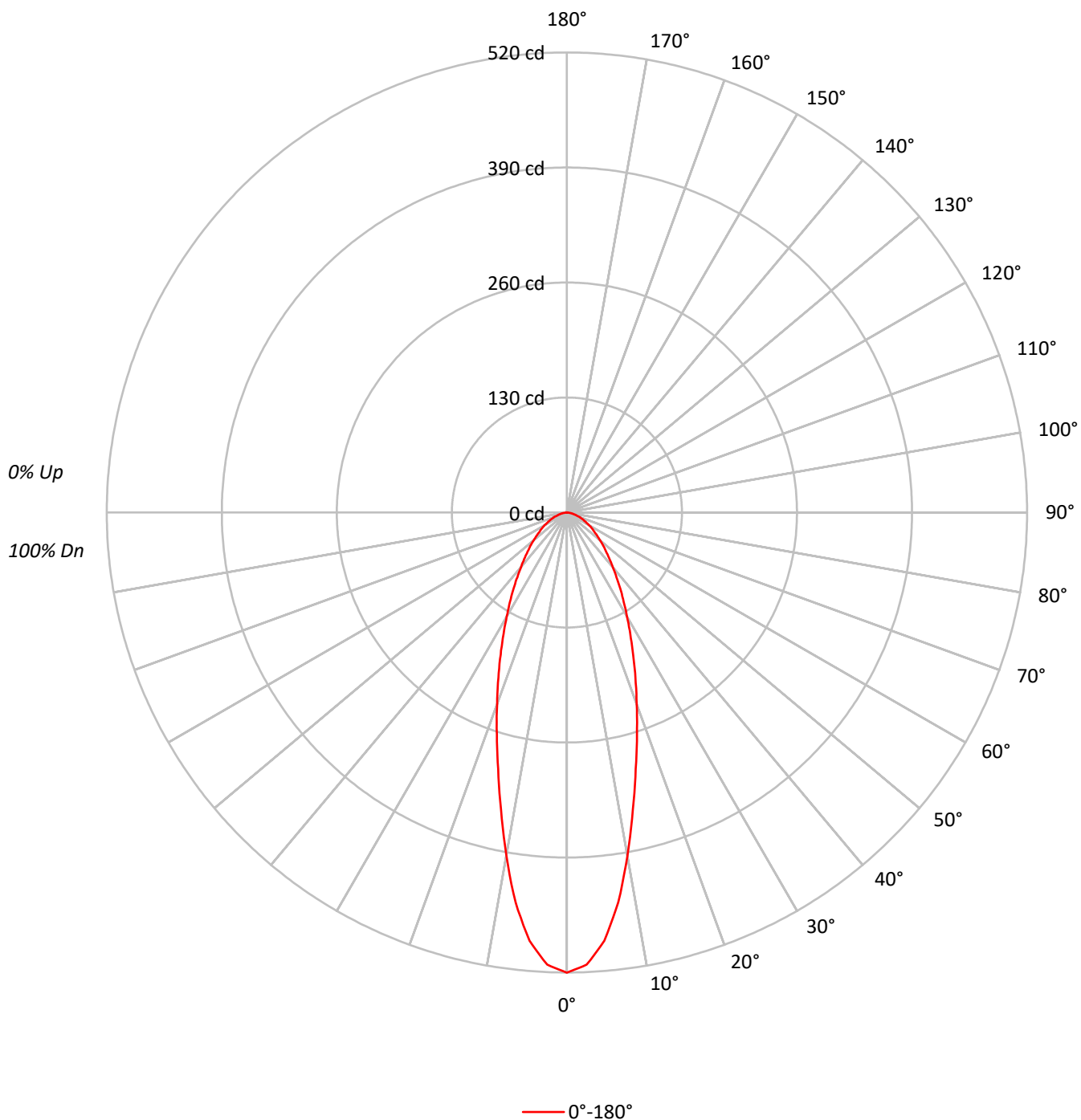
Lumens per Lamp: N/A
Luminaire Lumens: 392.0 lumens
Efficiency: N/A
Efficacy: 31.4 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	70	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	46	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°	114070
5°	106933
10°	87685
15°	68128
20°	53765
25°	42849
30°	34410
35°	28081
40°	23129
45°	19475
50°	16716
55°	14451
60°	12806
65°	11156
70°	9938
75°	8049
80°	6566
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19475 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	11.1
10°-20°	84.1	21.4
20°-30°	81.7	20.8
30°-40°	66.0	16.8
40°-50°	49.0	12.5
50°-60°	34.2	8.7
60°-70°	21.5	5.5
70°-80°	10.2	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°	209.1	53.4
0°-40°	275.2	70.2
0°-60°	358.5	91.4
0°-90°	392.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	392.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	520	
5°	486	43
15°	300	84
25°	177	82
35°	105	66
45°	63	49
55°	38	34
65°	22	21
75°	10	10
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	520.2
2.5°	511.6
5°	485.8
7.5°	444.5
10°	393.8
12.5°	343.9
15°	300.1
17.5°	263.1
20°	230.4
22.5°	202.1
25°	177.1
27.5°	154.8
30°	135.9
32.5°	119.5
35°	104.9
37.5°	92.0
40°	80.8
42.5°	71.4
45°	62.8
47.5°	55.9
50°	49.0
52.5°	43.0
55°	37.8
57.5°	33.5
60°	29.2
62.5°	24.9
65°	21.5
67.5°	18.1
70°	15.5
72.5°	12.0
75°	9.5
77.5°	6.9
80°	5.2
82.5°	2.6
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)