

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: P1245553

Luminaire Tested: P3A02R109024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245553
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: P3A02R109024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

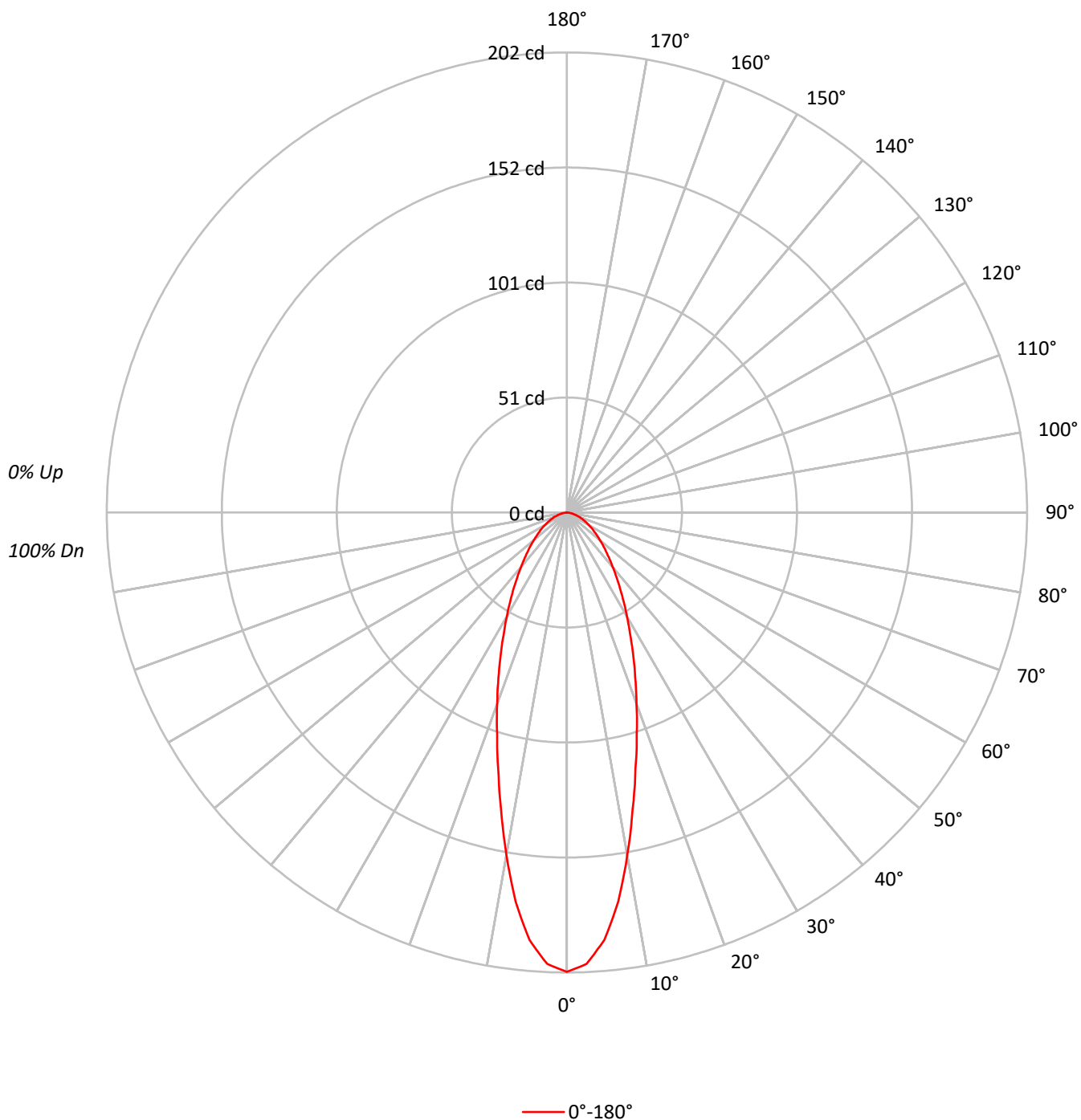
Lumens per Lamp: N/A
Luminaire Lumens: 152.0 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.8
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

TEST NUMBER: P1245553

CATALOG NUMBER: P3A02R109024DE010 E3PHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1245553

CATALOG NUMBER: P3A02R109024DE010 E3PHLD1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	92	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	82	82	80
3	98	90	83	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	62	62	60
6	81	70	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	53	53	51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	49	49	47
9	69	58	51	46	68	57	51	46	56	50	46	55	50	46	54	49	46	46	46	44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	43	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44229
5°	41470
10°	34001
15°	26425
20°	20862
25°	16622
30°	13344
35°	10895
40°	8960
45°	7536
50°	6482
55°	5620
60°	4956
65°	4307
70°	3847
75°	3135
80°	2526
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7536 cd/sqm

TEST NUMBER: P1245553

CATALOG NUMBER: P3A02R109024DE010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	11.1
10°-20°	32.6	21.4
20°-30°	31.7	20.8
30°-40°	25.6	16.8
40°-50°	19.0	12.5
50°-60°	13.3	8.7
60°-70°	8.3	5.5
70°-80°	4.0	2.6
80°-90°	0.7	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°	81.1	53.3
0°-40°	106.7	70.2
0°-60°	139.0	91.4
0°-90°	152.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	152.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	202	
5°	188	17
15°	116	33
25°	69	32
35°	41	26
45°	24	19
55°	15	13
65°	8	8
75°	4	4
85°	1	1
90°	0	

TEST NUMBER: P1245553

CATALOG NUMBER: P3A02R109024DE010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	201.7
2.5°	198.4
5°	188.4
7.5°	172.4
10°	152.7
12.5°	133.4
15°	116.4
17.5°	102.0
20°	89.4
22.5°	78.4
25°	68.7
27.5°	60.0
30°	52.7
32.5°	46.3
35°	40.7
37.5°	35.7
40°	31.3
42.5°	27.7
45°	24.3
47.5°	21.7
50°	19.0
52.5°	16.7
55°	14.7
57.5°	13.0
60°	11.3
62.5°	9.7
65°	8.3
67.5°	7.0
70°	6.0
72.5°	4.7
75°	3.7
77.5°	2.7
80°	2.0
82.5°	1.0
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)