

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: P1291666

Luminaire Tested: P3A09R15W2N902750DE010 E3PHLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291666
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: P3A09R15W2N902750DE010 E3PHLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

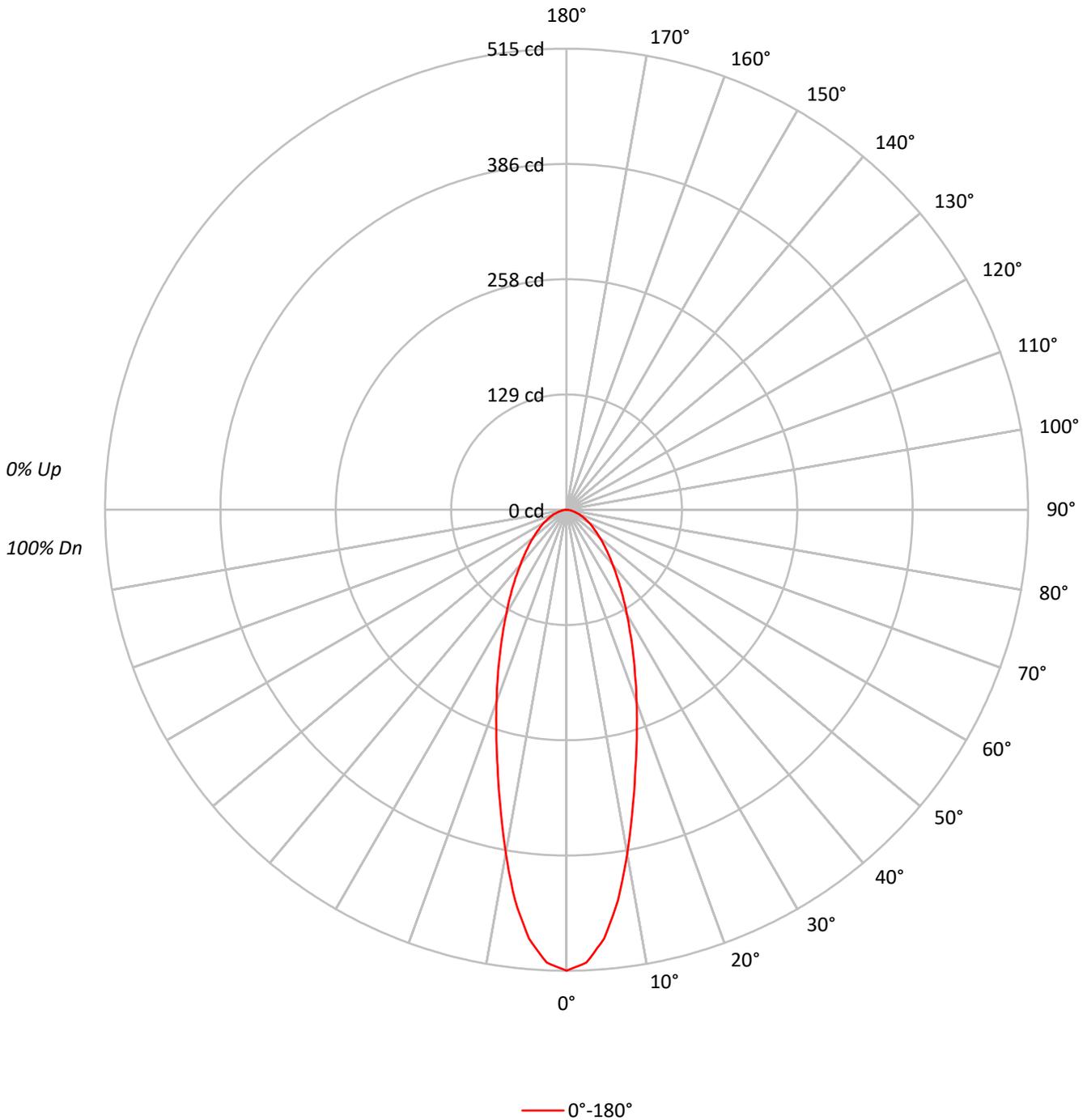
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 388.0 lumens
Efficiency: N/A
Efficacy: 43.1 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): 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

TEST NUMBER: P1291666
CATALOG NUMBER: P3A09R15W2N902750DE010 E3PHLD1MW_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1291666

CATALOG NUMBER: P3A09R15W2N902750DE010 E3PHLD1MW_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112908
5°	105855
10°	86794
15°	67424
20°	53228
25°	42414
30°	34056
35°	27786
40°	22900
45°	19258
50°	16545
55°	14298
60°	12674
65°	11052
70°	9809
75°	7964
80°	6440
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19258 cd/sqm



TEST NUMBER: P1291666

CATALOG NUMBER: P3A09R15W2N902750DE010 E3PHLD1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	11.1
10°-20°	83.2	21.4
20°-30°	80.9	20.8
30°-40°	65.4	16.8
40°-50°	48.5	12.5
50°-60°	33.9	8.7
60°-70°	21.3	5.5
70°-80°	10.1	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°	207.0	53.4
0°-40°	272.4	70.2
0°-60°	354.8	91.4
0°-90°	388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	388.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	515	
5°	481	43
15°	297	83
25°	175	81
35°	104	65
45°	62	49
55°	37	34
65°	21	21
75°	9	10
85°	2	2
90°	0	



TEST NUMBER: P1291666
CATALOG NUMBER: P3A09R15W2N902750DE010 E3PHLD1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	514.9
2.5°	506.4
5°	480.9
7.5°	440.0
10°	389.8
12.5°	340.4
15°	297.0
17.5°	260.4
20°	228.1
22.5°	200.0
25°	175.3
27.5°	153.2
30°	134.5
32.5°	118.3
35°	103.8
37.5°	91.1
40°	80.0
42.5°	70.6
45°	62.1
47.5°	55.3
50°	48.5
52.5°	42.6
55°	37.4
57.5°	33.2
60°	28.9
62.5°	24.7
65°	21.3
67.5°	17.9
70°	15.3
72.5°	11.9
75°	9.4
77.5°	6.8
80°	5.1
82.5°	2.6
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)