

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: P1291662

Luminaire Tested: P3A09R15W2N902750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291662
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

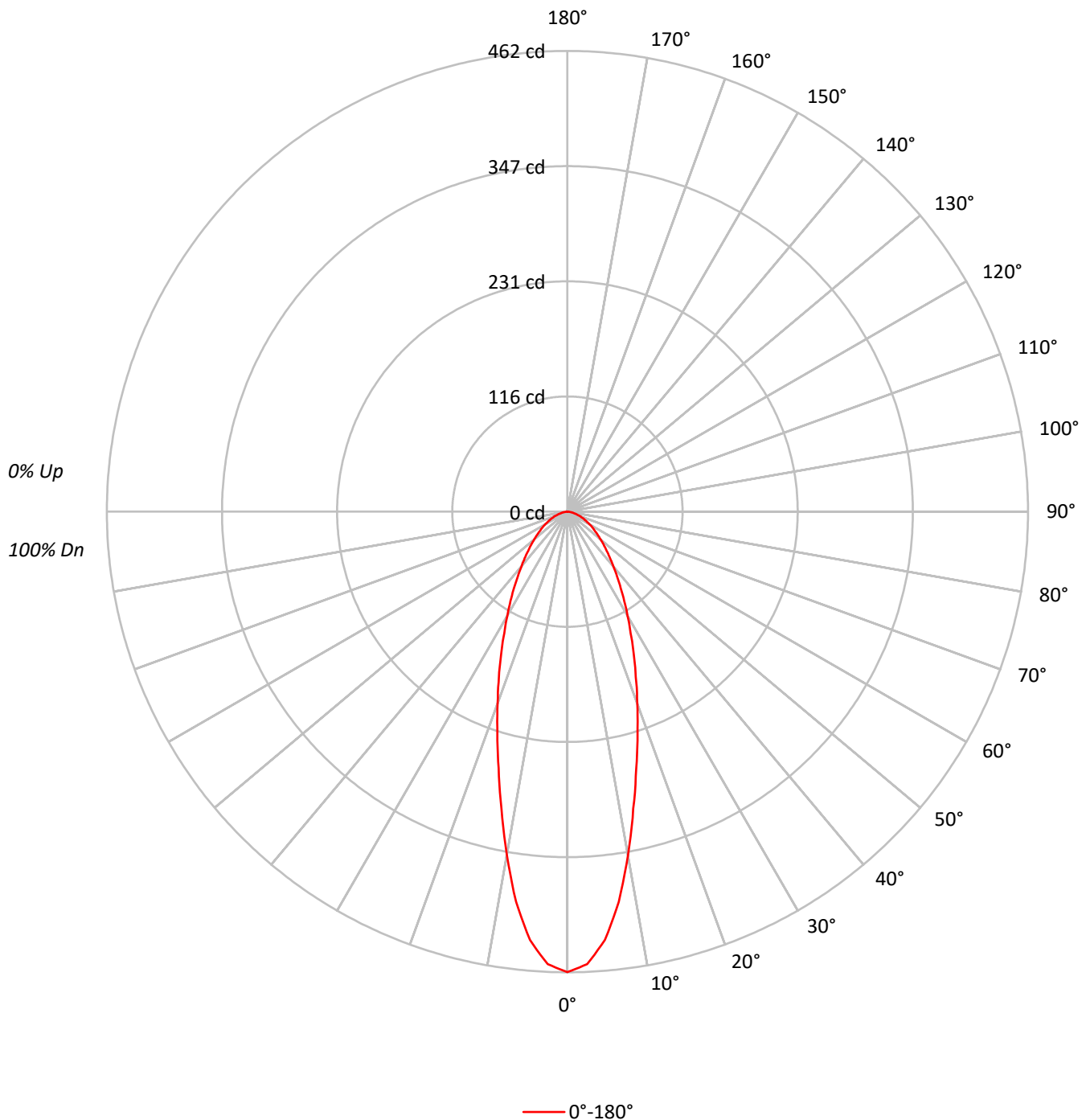
Lumens per Lamp: N/A
Luminaire Lumens: 348.0 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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			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	71	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°	101264
5°	94937
10°	77843
15°	60477
20°	47744
25°	38034
30°	30536
35°	24922
40°	20553
45°	17273
50°	14840
55°	12845
60°	11403
65°	9910
70°	8784
75°	7117
80°	5809
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17273 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	11.1
10°-20°	74.6	21.4
20°-30°	72.5	20.8
30°-40°	58.6	16.8
40°-50°	43.5	12.5
50°-60°	30.4	8.7
60°-70°	19.0	5.5
70°-80°	9.0	2.6
80°-90°	1.7	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°	185.7	53.4
0°-40°	244.3	70.2
0°-60°	318.3	91.5
0°-90°	348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	348.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	462	
5°	431	39
15°	266	75
25°	157	73
35°	93	59
45°	56	44
55°	34	30
65°	19	19
75°	8	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	461.8
2.5°	454.2
5°	431.3
7.5°	394.7
10°	349.6
12.5°	305.3
15°	266.4
17.5°	233.6
20°	204.6
22.5°	179.4
25°	157.2
27.5°	137.4
30°	120.6
32.5°	106.1
35°	93.1
37.5°	81.7
40°	71.8
42.5°	63.4
45°	55.7
47.5°	49.6
50°	43.5
52.5°	38.2
55°	33.6
57.5°	29.8
60°	26.0
62.5°	22.1
65°	19.1
67.5°	16.0
70°	13.7
72.5°	10.7
75°	8.4
77.5°	6.1
80°	4.6
82.5°	2.3
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)