

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: P1292652

Luminaire Tested: P3A09R30W2N902750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R30W2N902750DE010 E3PHLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

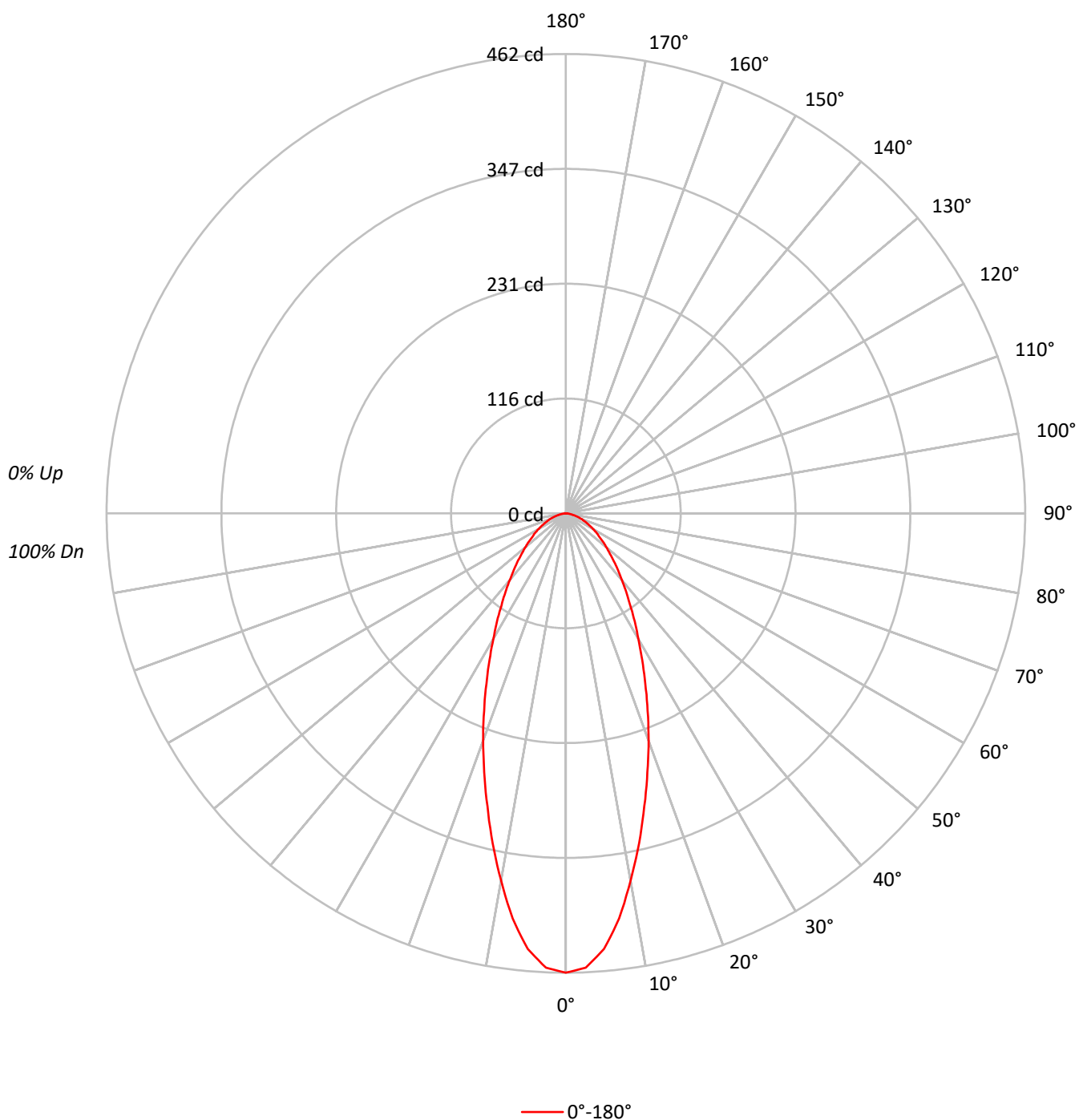
Lumens per Lamp: N/A
Luminaire Lumens: 411.0 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100	102	99	97	98	96	94	94	93	91	90			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65			
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59			
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54			
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50			
8	72	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	46			
9	68	57	50	45	66	56	49	45	55	49	45	54	49	45	53	48	44	43			
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101286
5°	96808
10°	83499
15°	69217
20°	56728
25°	45728
30°	36866
35°	30196
40°	25076
45°	21274
50°	18183
55°	15751
60°	14034
65°	12245
70°	10771
75°	9065
80°	6693
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Luminance: 21274 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	9.7
10°-20°	85.0	20.7
20°-30°	87.1	21.2
30°-40°	71.2	17.3
40°-50°	53.3	13.0
50°-60°	37.4	9.1
60°-70°	23.5	5.7
70°-80°	11.3	2.8
80°-90°	2.2	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°	212.0	51.6
0°-40°	283.2	68.9
0°-60°	373.9	91.0
0°-90°	411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	411.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	462	
5°	440	40
15°	305	85
25°	189	87
35°	113	71
45°	69	53
55°	41	37
65°	24	24
75°	11	11
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	461.9
2.5°	457.3
5°	439.8
7.5°	410.8
10°	375.0
12.5°	339.9
15°	304.9
17.5°	272.8
20°	243.1
22.5°	214.9
25°	189.0
27.5°	166.1
30°	145.6
32.5°	128.8
35°	112.8
37.5°	99.8
40°	87.6
42.5°	77.7
45°	68.6
47.5°	60.2
50°	53.3
52.5°	47.3
55°	41.2
57.5°	36.6
60°	32.0
62.5°	27.4
65°	23.6
67.5°	19.8
70°	16.8
72.5°	13.7
75°	10.7
77.5°	7.6
80°	5.3
82.5°	3.0
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)