

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: P1294168

Luminaire Tested: P3A09R55W2N902750DE010 E3DLD1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R55W2N902750DE010 E3DLD1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI ,
E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

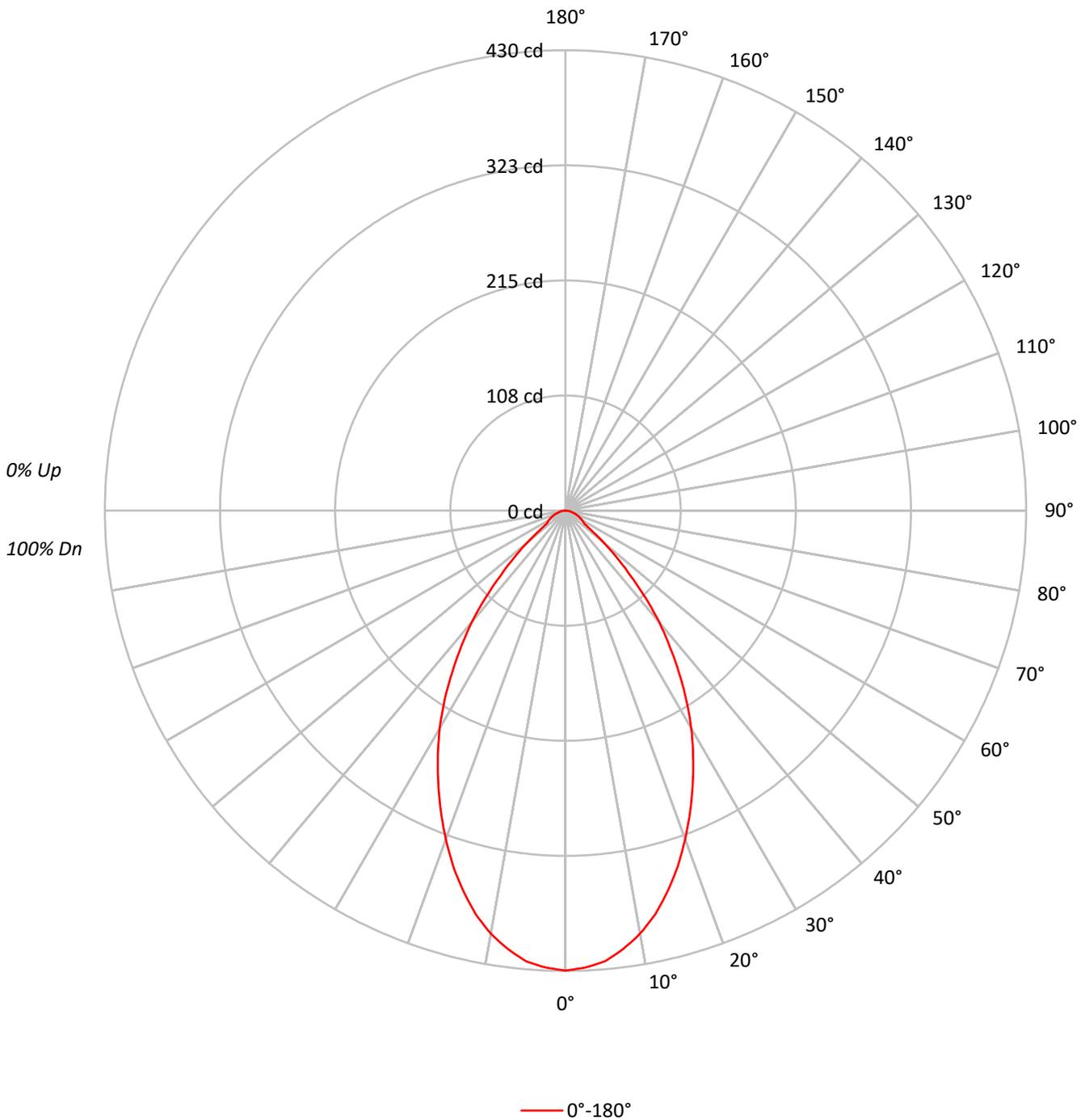
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 501.0 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
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	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	55	51	72	62	55	51	60	54	50	59	54	50	58	53	50	48
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94203
5°	93000
10°	89333
15°	83565
20°	76213
25°	68012
30°	59478
35°	49416
40°	38959
45°	26421
50°	16136
55°	8372
60°	7806
65°	7368
70°	6860
75°	6015
80°	5935
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	7.9
10°-20°	102.9	20.5
20°-30°	128.8	25.7
30°-40°	115.0	23.0
40°-50°	67.3	13.4
50°-60°	23.3	4.6
60°-70°	14.1	2.8
70°-80°	7.8	1.6
80°-90°	2.3	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°	271.3	54.1
0°-40°	386.3	77.1
0°-60°	476.9	95.2
0°-90°	501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	501.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	430	
5°	422	40
15°	368	103
25°	281	129
35°	185	115
45°	85	67
55°	22	23
65°	14	14
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	429.6
2.5°	427.2
5°	422.5
7.5°	413.0
10°	401.2
12.5°	386.4
15°	368.1
17.5°	348.5
20°	326.6
22.5°	304.1
25°	281.1
27.5°	258.0
30°	234.9
32.5°	210.1
35°	184.6
37.5°	159.8
40°	136.1
42.5°	110.7
45°	85.2
47.5°	65.1
50°	47.3
52.5°	30.8
55°	21.9
57.5°	19.5
60°	17.8
62.5°	16.0
65°	14.2
67.5°	12.4
70°	10.7
72.5°	8.9
75°	7.1
77.5°	5.9
80°	4.7
82.5°	3.0
85°	1.8
87.5°	1.2
90°	0.0

(END OF REPORT)