

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: P1293843

Luminaire Tested: P3A09R50W2N902750DE010 E3DLD1GPH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R50W2N902750DE010 E3DLD1GPH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,
E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

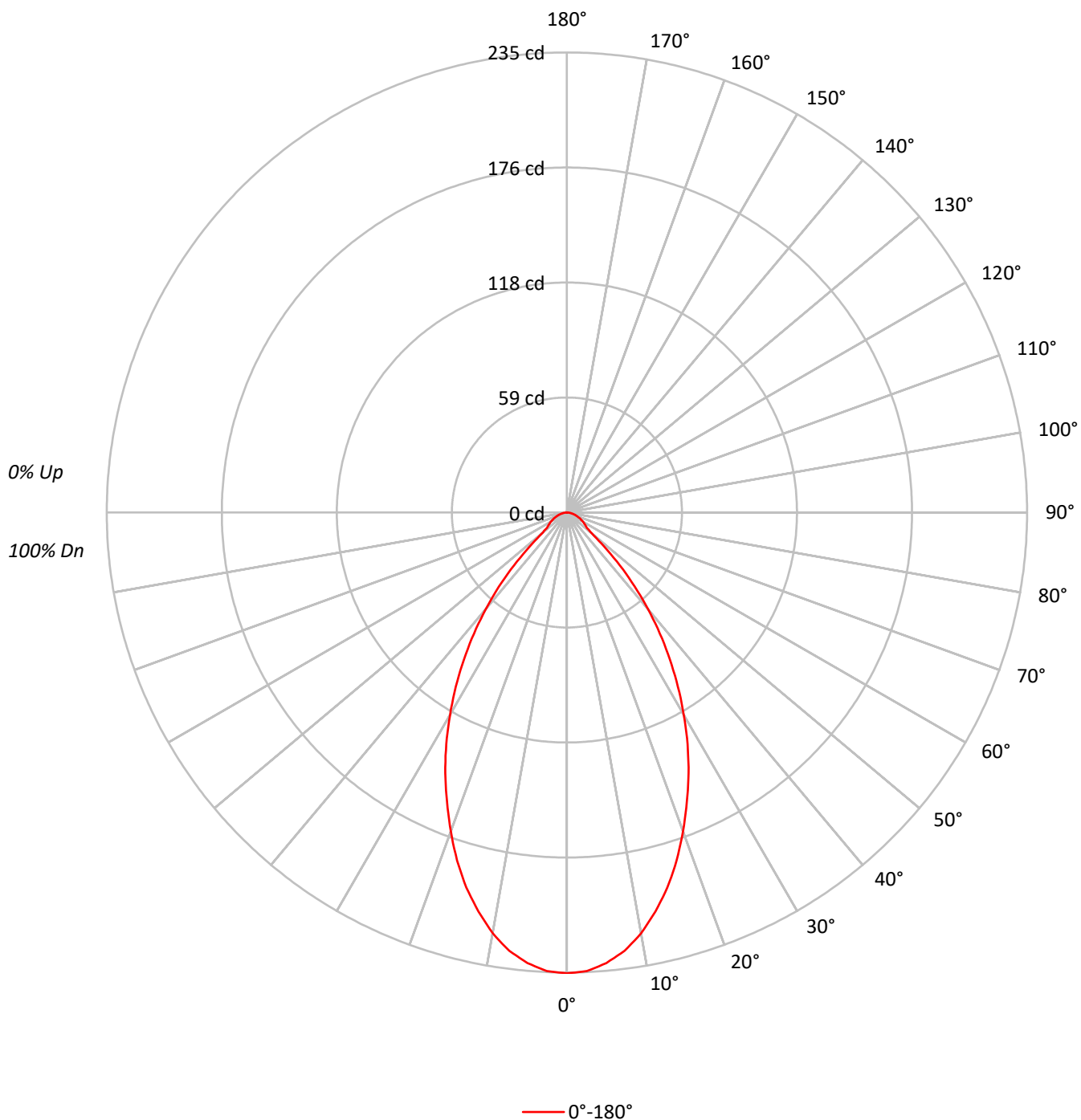
Lumens per Lamp: N/A
Luminaire Lumens: 254.0 lumens
Efficiency: N/A
Efficacy: 28.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	101	99		99	97	96		95	94	93		91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84		83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77		75
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77	73	70		69
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72	68	64		63
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67	63	59		58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55		53
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59	55	51		50
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56	51	48		46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	51619
5°	50847
10°	48607
15°	45017
20°	40464
25°	35567
30°	30232
35°	24521
40°	18435
45°	11877
50°	5629
55°	4435
60°	4210
65°	3891
70°	3526
75°	3219
80°	2904
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	8.5
10°-20°	55.3	21.8
20°-30°	67.2	26.4
30°-40°	57.0	22.4
40°-50°	29.6	11.7
50°-60°	10.7	4.2
60°-70°	7.4	2.9
70°-80°	4.0	1.6
80°-90°	1.3	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°	144.1	56.7
0°-40°	201.1	79.2
0°-60°	241.4	95.0
0°-90°	254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	254.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	235	
5°	231	22
15°	198	55
25°	147	67
35°	92	57
45°	38	30
55°	12	11
65°	8	7
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	235.4
2.5°	234.5
5°	231.0
7.5°	225.8
10°	218.3
12.5°	208.7
15°	198.3
17.5°	186.4
20°	173.4
22.5°	160.0
25°	147.0
27.5°	133.4
30°	119.4
32.5°	105.5
35°	91.6
37.5°	78.0
40°	64.4
42.5°	51.3
45°	38.3
47.5°	25.5
50°	16.5
52.5°	12.8
55°	11.6
57.5°	10.4
60°	9.6
62.5°	8.4
65°	7.5
67.5°	6.4
70°	5.5
72.5°	4.6
75°	3.8
77.5°	2.9
80°	2.3
82.5°	1.7
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)