

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: P1293940

Luminaire Tested: P3A09R50W2N902765DE010 E3D1H_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R50W2N902765DE010 E3D1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

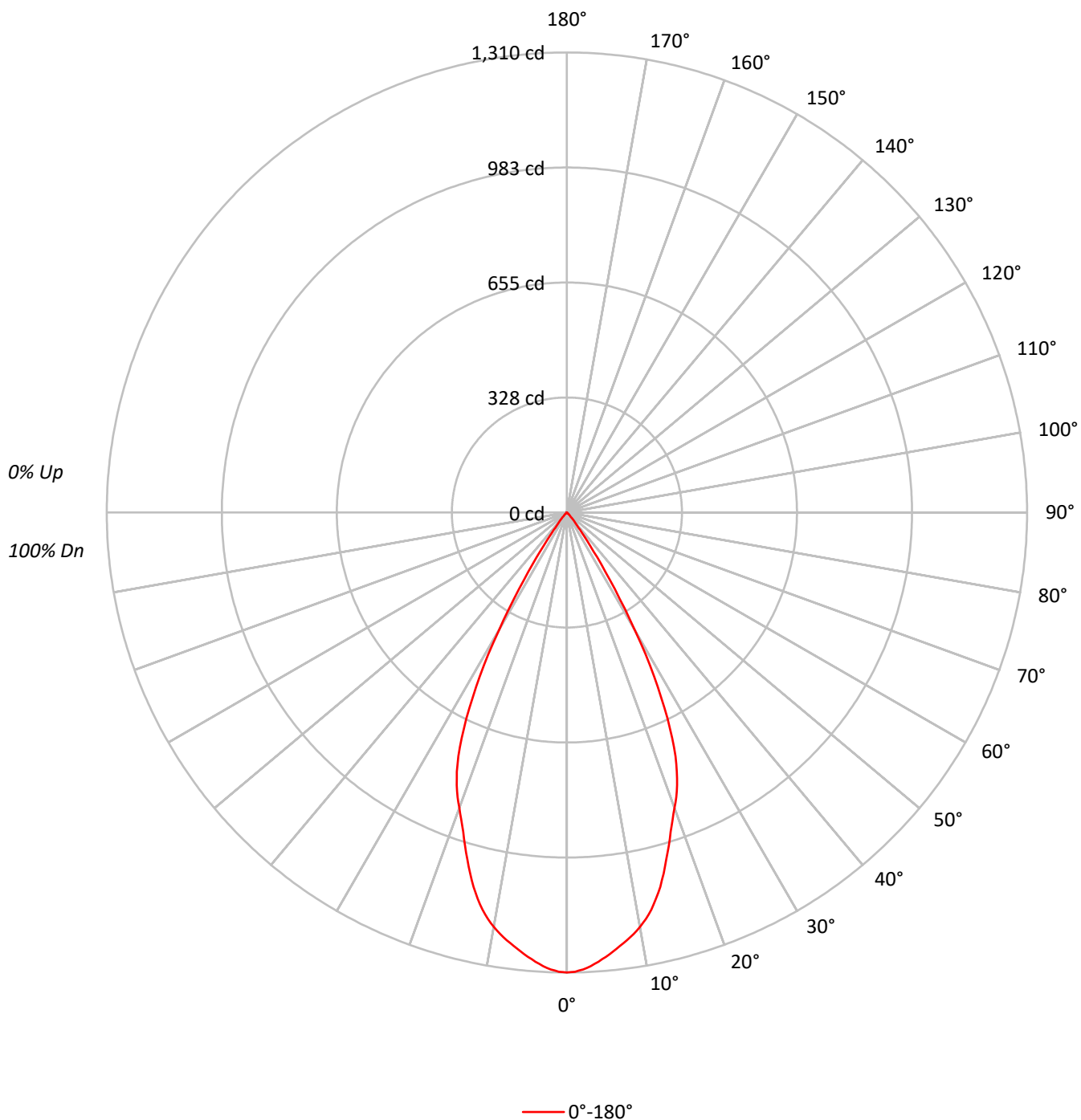
Lumens per Lamp: N/A
Luminaire Lumens: 822.0 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	82	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	68
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	287258
5°	279616
10°	266818
15°	241568
20°	208992
25°	171421
30°	98471
35°	30597
40°	8215
45°	2884
50°	682
55°	229
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2884 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	14.5
10°-20°	294.8	35.9
20°-30°	309.9	37.7
30°-40°	88.7	10.8
40°-50°	8.7	1.1
50°-60°	0.7	0.1
60°-70°	0.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	723.7	88.0
0°-40°	812.4	98.8
0°-60°	821.8	100.0
0°-90°	822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	822.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1310	
5°	1270	119
15°	1064	295
25°	708	310
35°	114	89
45°	9	9
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1310.0
1°	1308.0
2°	1302.2
3°	1293.8
4°	1282.4
5°	1270.3
6°	1257.2
7°	1243.3
8°	1230.2
9°	1215.2
10°	1198.3
11°	1178.9
12°	1156.6
13°	1128.7
14°	1098.6
15°	1064.1
16°	1027.5
17°	992.1
18°	955.9
19°	924.0
20°	895.6
21°	868.3
22°	837.3
23°	801.6
24°	759.8
25°	708.5
26°	652.8
27°	590.8
28°	529.0
29°	462.3
30°	388.9
31°	320.2
32°	257.0
32.5°	229.4
33°	201.6
34°	154.6
35°	114.3
36°	83.8
37°	62.4
37.5°	53.9
38°	46.7
39°	36.3
40°	28.7
42.5°	16.2
45°	9.3



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	5.2
50°	2.0
52.5°	0.9
55°	0.6
57.5°	0.6
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)