

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: P1293802

Luminaire Tested: P3A09R50W2N902750DE010 E3D1WH_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293802
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: P3A09R50W2N902750DE010 E3D1WH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

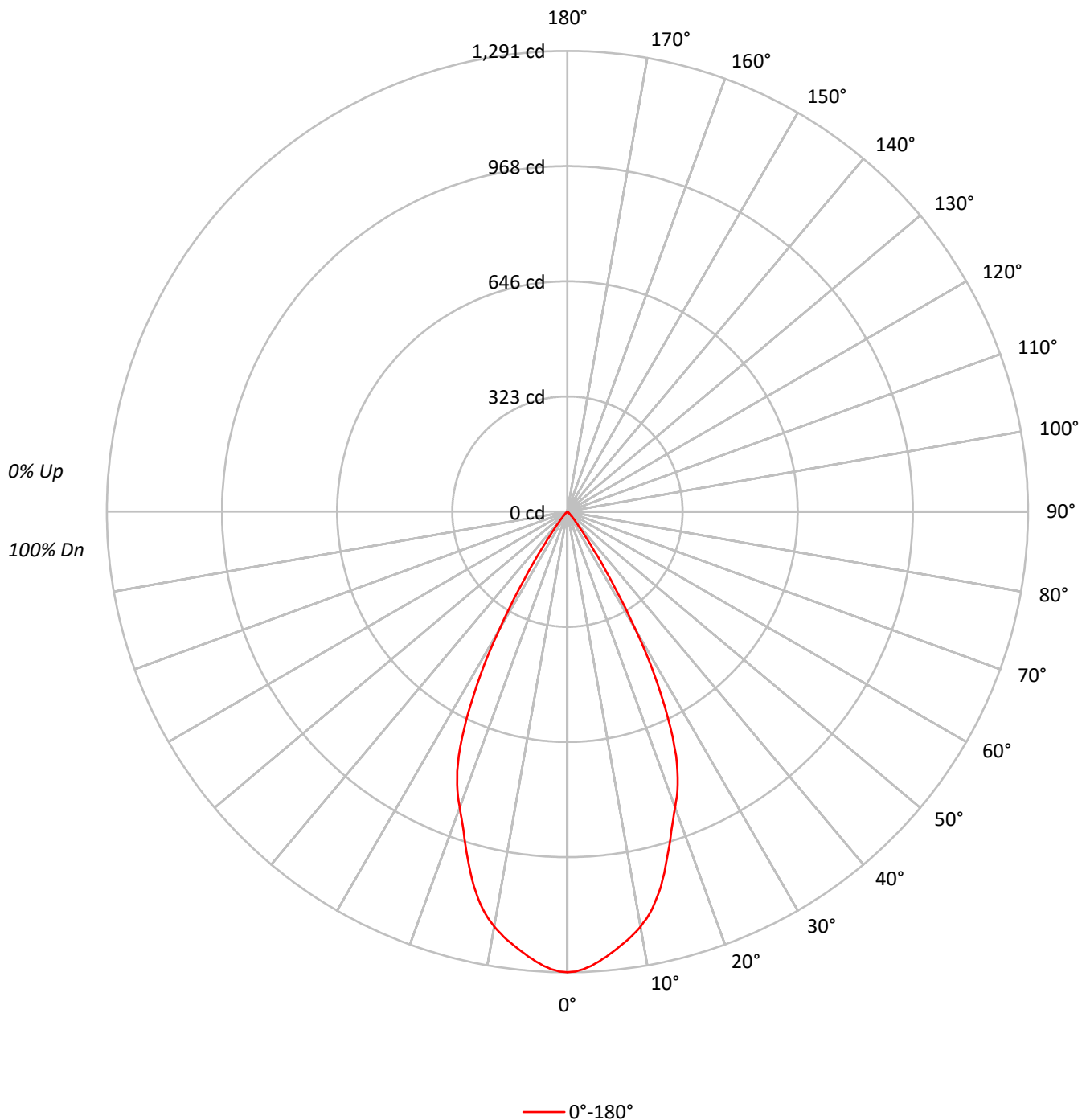
Lumens per Lamp: N/A
Luminaire Lumens: 810.0 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	283069
5°	275522
10°	262921
15°	238026
20°	205935
25°	168929
30°	97028
35°	30142
40°	8101
45°	2822
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: 2822 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	14.5
10°-20°	290.5	35.9
20°-30°	305.4	37.7
30°-40°	87.4	10.8
40°-50°	8.5	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°	713.1	88.0
0°-40°	800.5	98.8
0°-60°	809.7	100.0
0°-90°	810.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	810.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1291	
5°	1252	117
15°	1048	291
25°	698	305
35°	113	87
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°	1290.9
1°	1288.9
2°	1283.2
3°	1274.9
4°	1263.7
5°	1251.7
6°	1238.9
7°	1225.1
8°	1212.3
9°	1197.4
10°	1180.8
11°	1161.7
12°	1139.7
13°	1112.3
14°	1082.5
15°	1048.5
16°	1012.5
17°	977.7
18°	941.9
19°	910.5
20°	882.5
21°	855.6
22°	825.0
23°	789.9
24°	748.7
25°	698.2
26°	643.3
27°	582.1
28°	521.3
29°	455.5
30°	383.2
31°	315.5
32°	253.2
32.5°	226.1
33°	198.6
34°	152.3
35°	112.6
36°	82.6
37°	61.4
37.5°	53.2
38°	46.0
39°	35.7
40°	28.3
42.5°	16.0
45°	9.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	5.1
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)