

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: P1293809

Luminaire Tested: P3A09R50W2N902750DE010 E3D1WMH_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293809
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 E3D1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

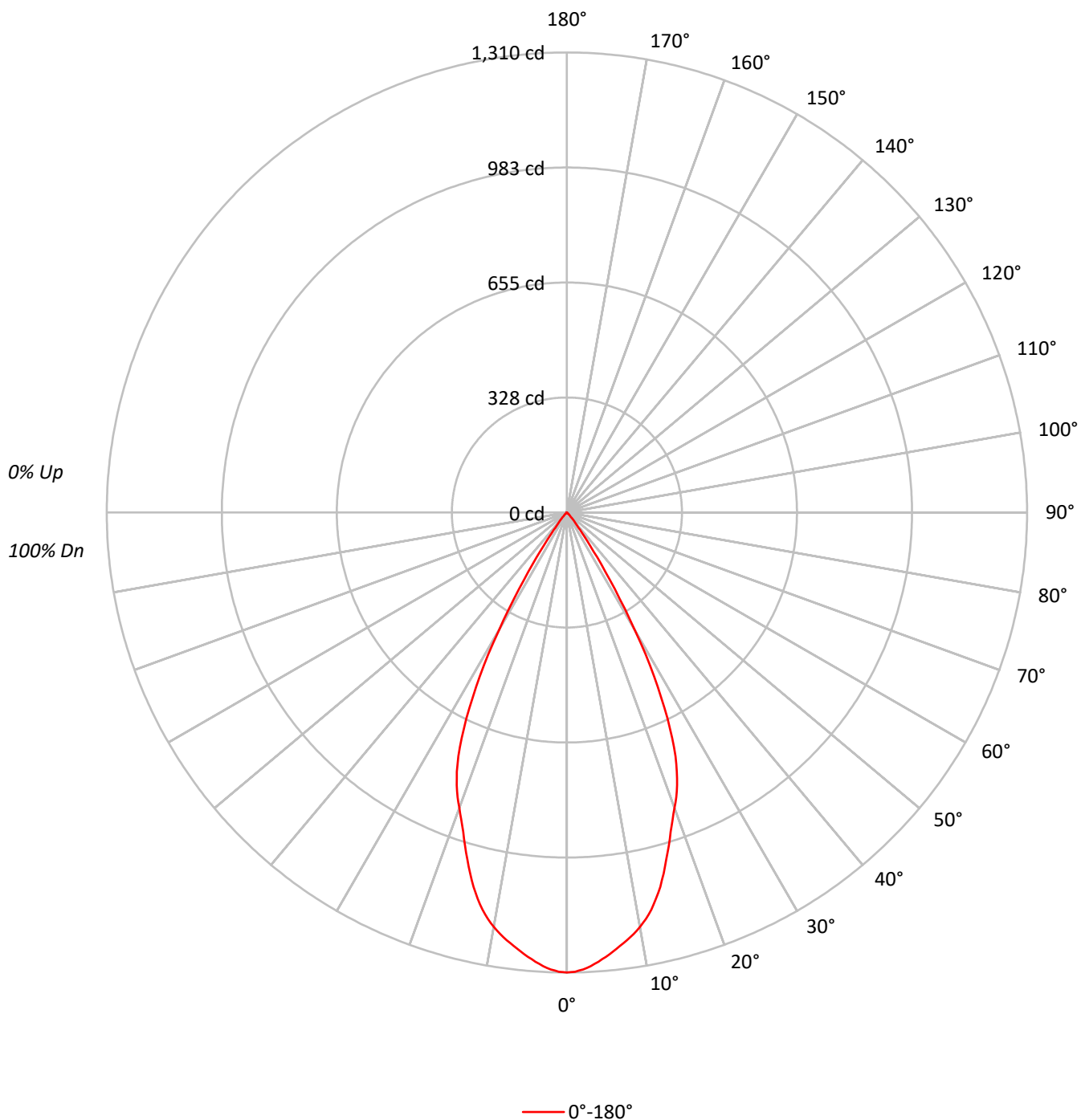
Lumens per Lamp: N/A
Luminaire Lumens: 822.0 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1293809

CATALOG NUMBER: P3A09R50W2N902750DE010 E3D1WMH_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P1293809

CATALOG NUMBER: P3A09R50W2N902750DE010 E3D1WMH_4000K

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°	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

TEST NUMBER: P1293809

CATALOG NUMBER: P3A09R50W2N902750DE010 E3D1WMH_4000K

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	

TEST NUMBER: P1293809

CATALOG NUMBER: P3A09R50W2N902750DE010 E3D1WMH_4000K

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



TEST NUMBER: P1293809

CATALOG NUMBER: P3A09R50W2N902750DE010 E3D1WMH_4000K

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)