

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: P1293798

Luminaire Tested: P3A09R50W2N902750DE010 E3D1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R50W2N902750DE010 E3D1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

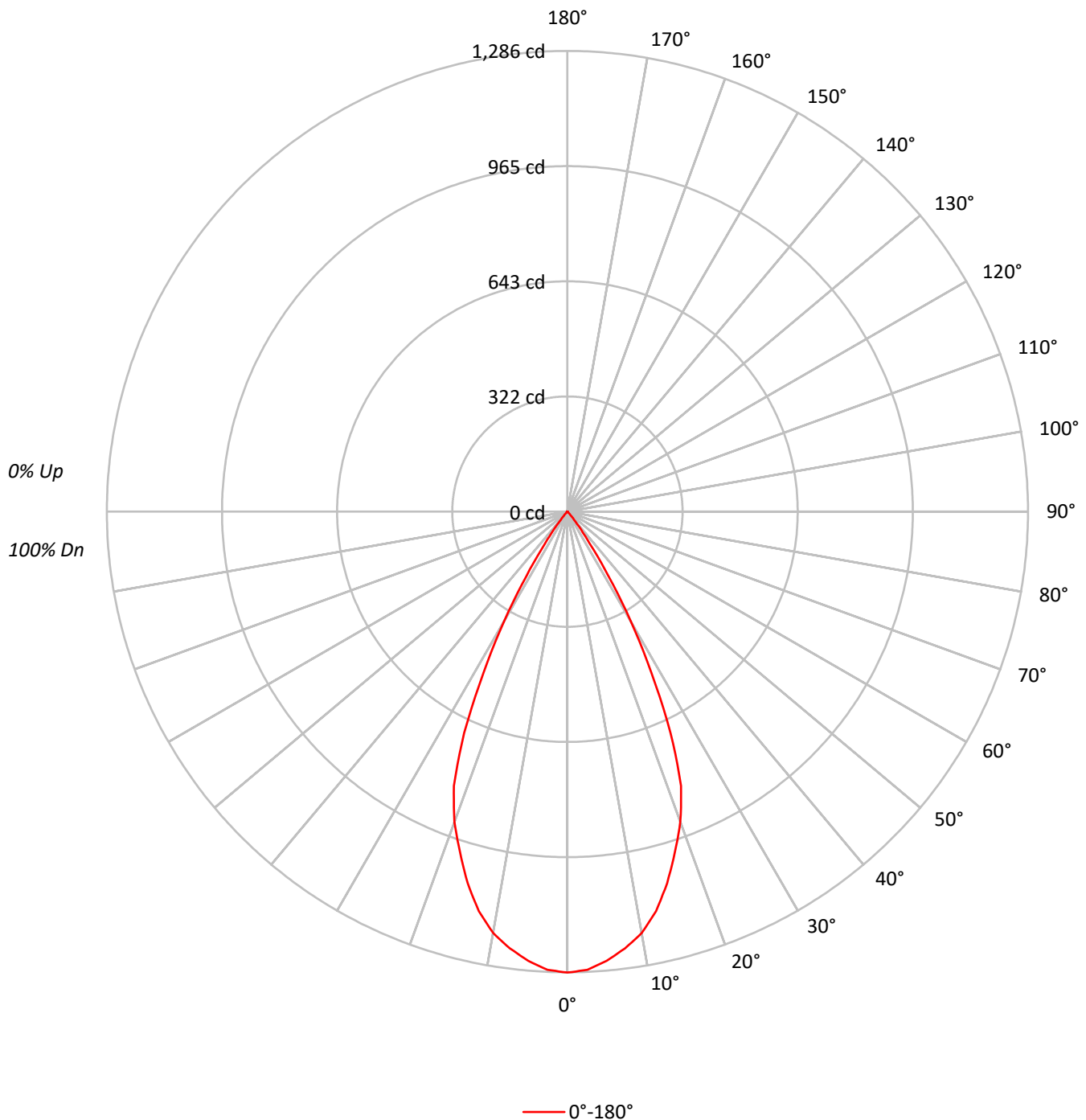
Lumens per Lamp: N/A
Luminaire Lumens: 810.1 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	109	107	106	105	104	102	102	101	99	98	97	96	96	96	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	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	282105
5°	277041
10°	266016
15°	243929
20°	215105
25°	164864
30°	89634
35°	28830
40°	6784
45°	930
50°	819
55°	918
60°	789
65°	934
70°	769
75°	1017
80°	758
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 1510 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	14.6
10°-20°	298.7	36.9
20°-30°	299.1	36.9
30°-40°	84.1	10.4
40°-50°	5.1	0.6
50°-60°	1.9	0.2
60°-70°	1.6	0.2
70°-80°	1.0	0.1
80°-90°	0.4	0.1
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°	715.9	88.4
0°-40°	800.0	98.8
0°-60°	807.1	99.6
0°-90°	810.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	810.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1286	
5°	1259	118
15°	1074	299
25°	681	299
35°	108	84
45°	3	5
55°	2	2
65°	2	2
75°	1	1
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1286.5
2.5°	1280.0
5°	1258.6
7.5°	1229.6
10°	1194.7
12.5°	1142.0
15°	1074.5
17.5°	997.0
20°	921.8
22.5°	828.2
25°	681.4
27.5°	507.4
30°	354.0
32.5°	213.7
35°	107.7
37.5°	50.9
40°	23.7
42.5°	8.9
45°	3.0
47.5°	2.4
50°	2.4
52.5°	2.4
55°	2.4
57.5°	1.8
60°	1.8
62.5°	1.8
65°	1.8
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)