

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: P1293828

Luminaire Tested: P3A09R50W2N902750DE010 E3DL1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R50W2N902750DE010 E3DL1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

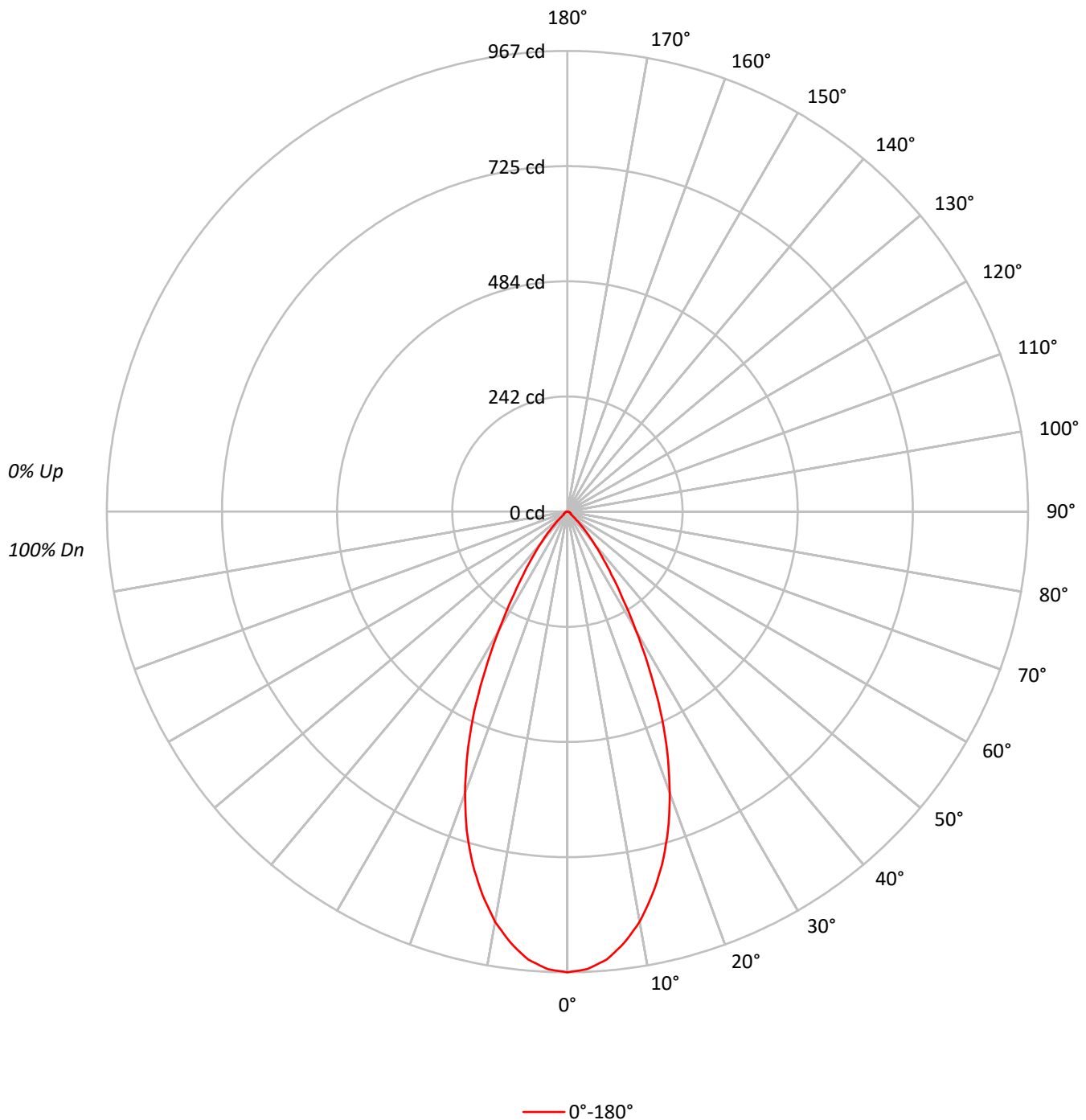
Lumens per Lamp: N/A
Luminaire Lumens: 666.0 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95		94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89		87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88	85	83		82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	80	78		76
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79	76	73		72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75	72	69		67
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65		64
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68	64	61		60
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65	61	58		57
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62	58	55		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	212044
5°	207770
10°	194608
15°	174212
20°	146616
25°	111902
30°	72720
35°	43125
40°	24904
45°	12497
50°	4640
55°	3632
60°	3377
65°	3061
70°	3013
75°	3050
80°	3031
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12497 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	13.2
10°-20°	212.2	31.9
20°-30°	208.2	31.3
30°-40°	104.9	15.7
40°-50°	33.1	5.0
50°-60°	8.6	1.3
60°-70°	6.1	0.9
70°-80°	3.8	0.6
80°-90°	1.3	0.2
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°	508.3	76.3
0°-40°	613.1	92.1
0°-60°	654.9	98.3
0°-90°	666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	666.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	967	
5°	944	88
15°	767	212
25°	462	208
35°	161	105
45°	40	33
55°	10	9
65°	6	6
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	967.0
2.5°	961.1
5°	943.9
7.5°	913.1
10°	874.0
12.5°	823.7
15°	767.4
17.5°	702.3
20°	628.3
22.5°	548.3
25°	462.5
27.5°	371.3
30°	287.2
32.5°	216.1
35°	161.1
37.5°	119.0
40°	87.0
42.5°	61.6
45°	40.3
47.5°	23.1
50°	13.6
52.5°	10.1
55°	9.5
57.5°	8.3
60°	7.7
62.5°	7.1
65°	5.9
67.5°	5.3
70°	4.7
72.5°	4.1
75°	3.6
77.5°	3.0
80°	2.4
82.5°	1.8
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)