

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: P1293985

Luminaire Tested: P3A09R50W2N902765DE010 E3DL1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293985
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: P3A09R50W2N902765DE010 E3DL1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

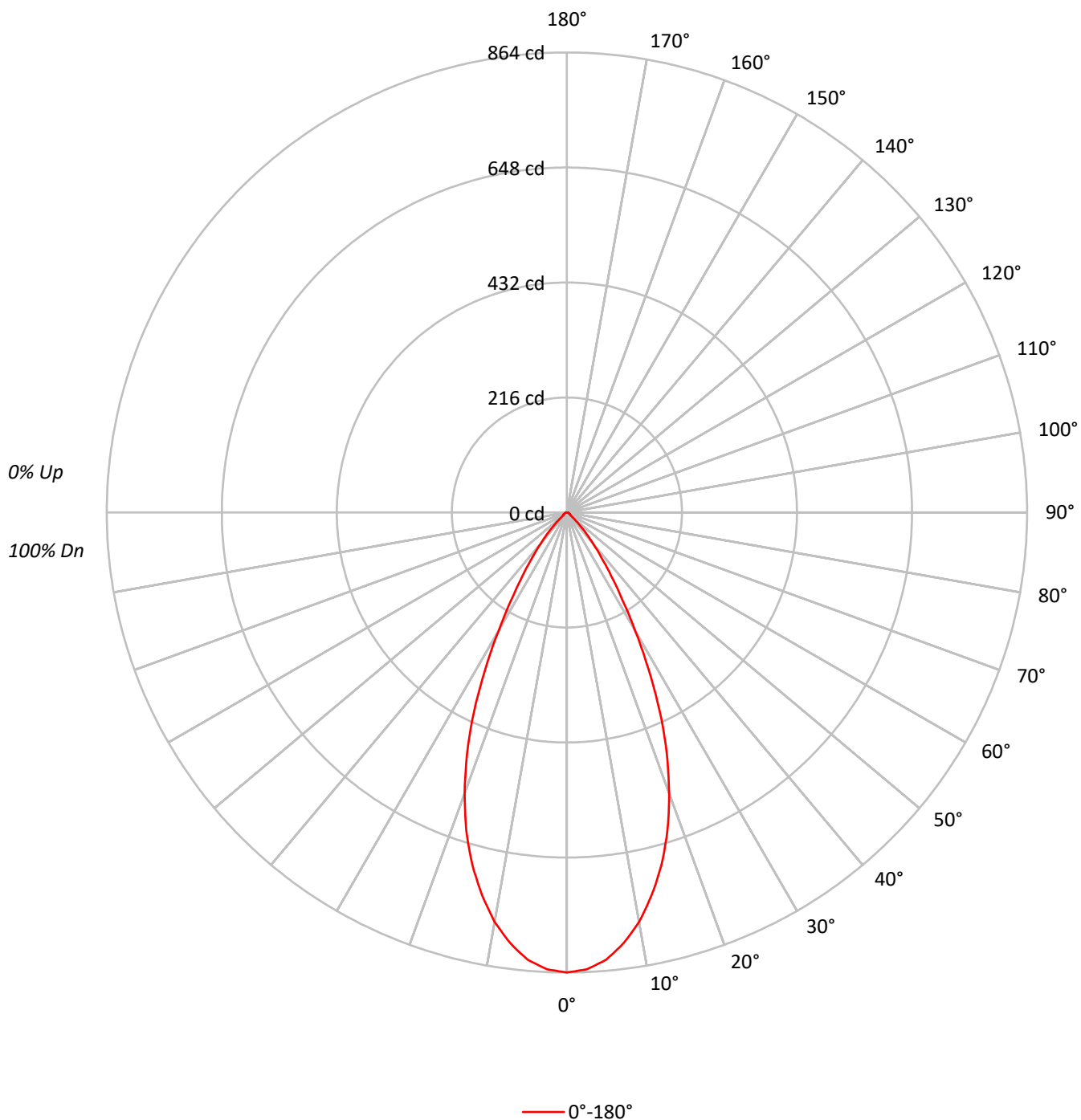
Lumens per Lamp: N/A
Luminaire Lumens: 595.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1293985

CATALOG NUMBER: P3A09R50W2N902765DE010 E3DL1MW_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1293985

CATALOG NUMBER: P3A09R50W2N902765DE010 E3DL1MW_2700K

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	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°	189437
5°	185626
10°	173856
15°	155642
20°	130981
25°	99974
30°	64972
35°	38521
40°	22270
45°	11164
50°	4162
55°	3250
60°	3026
65°	2750
70°	2693
75°	2711
80°	2652
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 11164 cd/sqm

TEST NUMBER: P1293985

CATALOG NUMBER: P3A09R50W2N902765DE010 E3DL1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	13.2
10°-20°	189.6	31.9
20°-30°	186.0	31.3
30°-40°	93.7	15.7
40°-50°	29.6	5.0
50°-60°	7.7	1.3
60°-70°	5.4	0.9
70°-80°	3.3	0.6
80°-90°	1.2	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°	454.1	76.3
0°-40°	547.8	92.1
0°-60°	585.1	98.3
0°-90°	595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	595.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	864	
5°	843	78
15°	686	190
25°	413	186
35°	144	94
45°	36	30
55°	8	8
65°	5	5
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P1293985

CATALOG NUMBER: P3A09R50W2N902765DE010 E3DL1MW_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	863.9
2.5°	858.6
5°	843.3
7.5°	815.8
10°	780.8
12.5°	735.9
15°	685.6
17.5°	627.4
20°	561.3
22.5°	489.9
25°	413.2
27.5°	331.7
30°	256.6
32.5°	193.1
35°	143.9
37.5°	106.3
40°	77.8
42.5°	55.0
45°	36.0
47.5°	20.6
50°	12.2
52.5°	9.0
55°	8.5
57.5°	7.4
60°	6.9
62.5°	6.3
65°	5.3
67.5°	4.8
70°	4.2
72.5°	3.7
75°	3.2
77.5°	2.6
80°	2.1
82.5°	1.6
85°	1.1
87.5°	0.5
90°	0.0

(END OF REPORT)