

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: P1293847

Luminaire Tested: P3A09R50W2N902750DE010 E3DLD1H_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R50W2N902750DE010 E3DLD1H_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

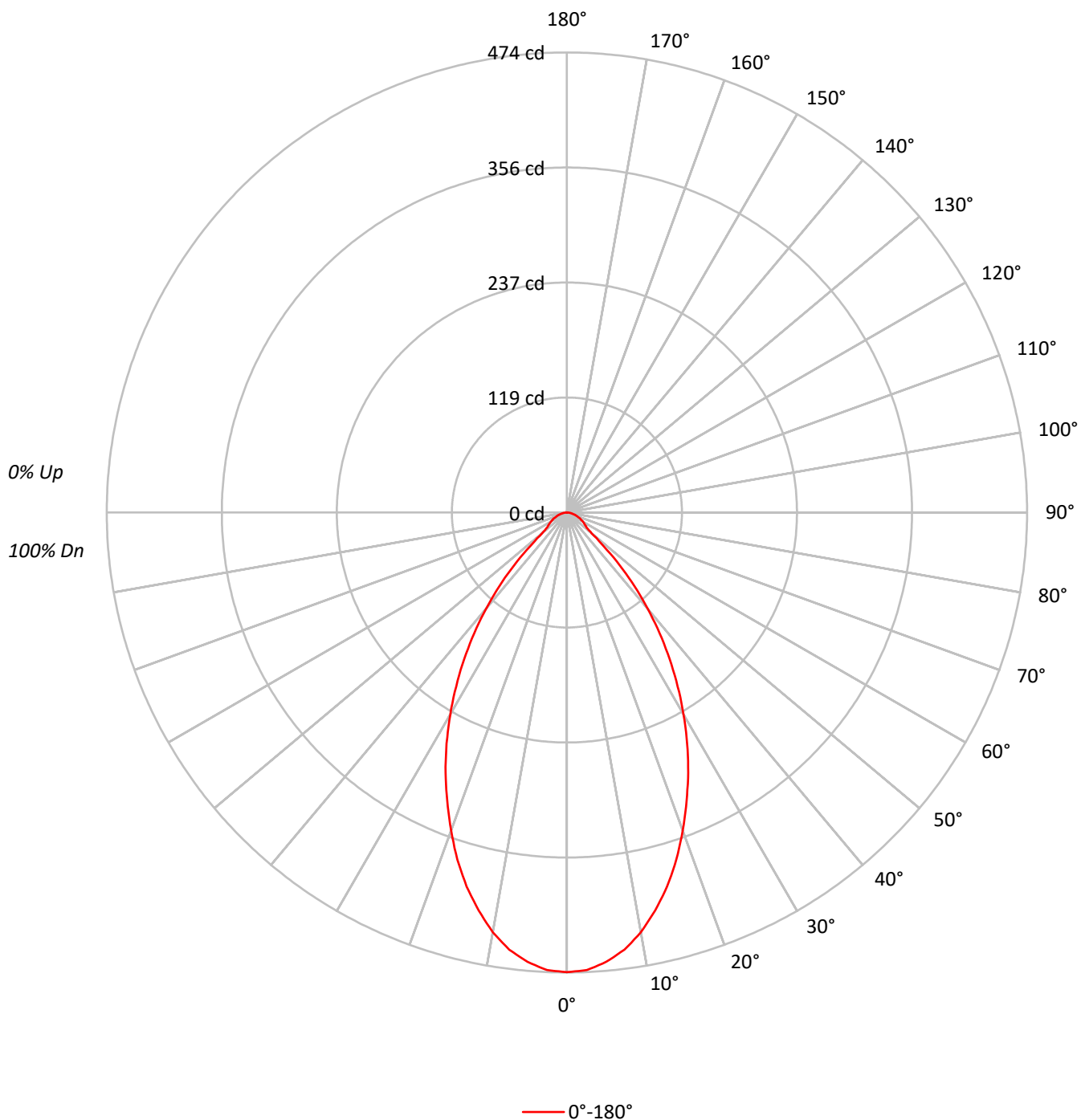
Lumens per Lamp: N/A
Luminaire Lumens: 511.0 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1293847

CATALOG NUMBER: P3A09R50W2N902750DE010 E3DLD1H_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1293847

CATALOG NUMBER: P3A09R50W2N902750DE010 E3DLD1H_3000K

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63		
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103851
5°	102311
10°	97794
15°	90557
20°	81394
25°	71544
30°	60845
35°	49336
40°	37069
45°	23878
50°	11326
55°	8908
60°	8420
65°	7887
70°	7117
75°	6439
80°	5935
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 23878 cd/sqm

TEST NUMBER: P1293847

CATALOG NUMBER: P3A09R50W2N902750DE010 E3DLD1H_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	8.5
10°-20°	111.2	21.8
20°-30°	135.1	26.4
30°-40°	114.6	22.4
40°-50°	59.5	11.6
50°-60°	21.5	4.2
60°-70°	14.9	2.9
70°-80°	8.1	1.6
80°-90°	2.5	0.5
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°	289.9	56.7
0°-40°	404.5	79.2
0°-60°	485.5	95.0
0°-90°	511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	511.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	474	
5°	465	44
15°	399	111
25°	296	135
35°	184	115
45°	77	60
55°	23	21
65°	15	15
75°	8	8
85°	2	3
90°	0	

TEST NUMBER: P1293847

CATALOG NUMBER: P3A09R50W2N902750DE010 E3DLD1H_3000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	473.6
2.5°	471.8
5°	464.8
7.5°	454.3
10°	439.2
12.5°	419.9
15°	398.9
17.5°	375.0
20°	348.8
22.5°	321.9
25°	295.7
27.5°	268.3
30°	240.3
32.5°	212.3
35°	184.3
37.5°	156.9
40°	129.5
42.5°	103.2
45°	77.0
47.5°	51.3
50°	33.2
52.5°	25.7
55°	23.3
57.5°	21.0
60°	19.2
62.5°	16.9
65°	15.2
67.5°	12.8
70°	11.1
72.5°	9.3
75°	7.6
77.5°	5.8
80°	4.7
82.5°	3.5
85°	2.3
87.5°	1.2
90°	0.0

(END OF REPORT)