

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: P1293814

Luminaire Tested: P3A09R50W2N902750DE010 E3DL1GPH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293814
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 E3DL1GPH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,
E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

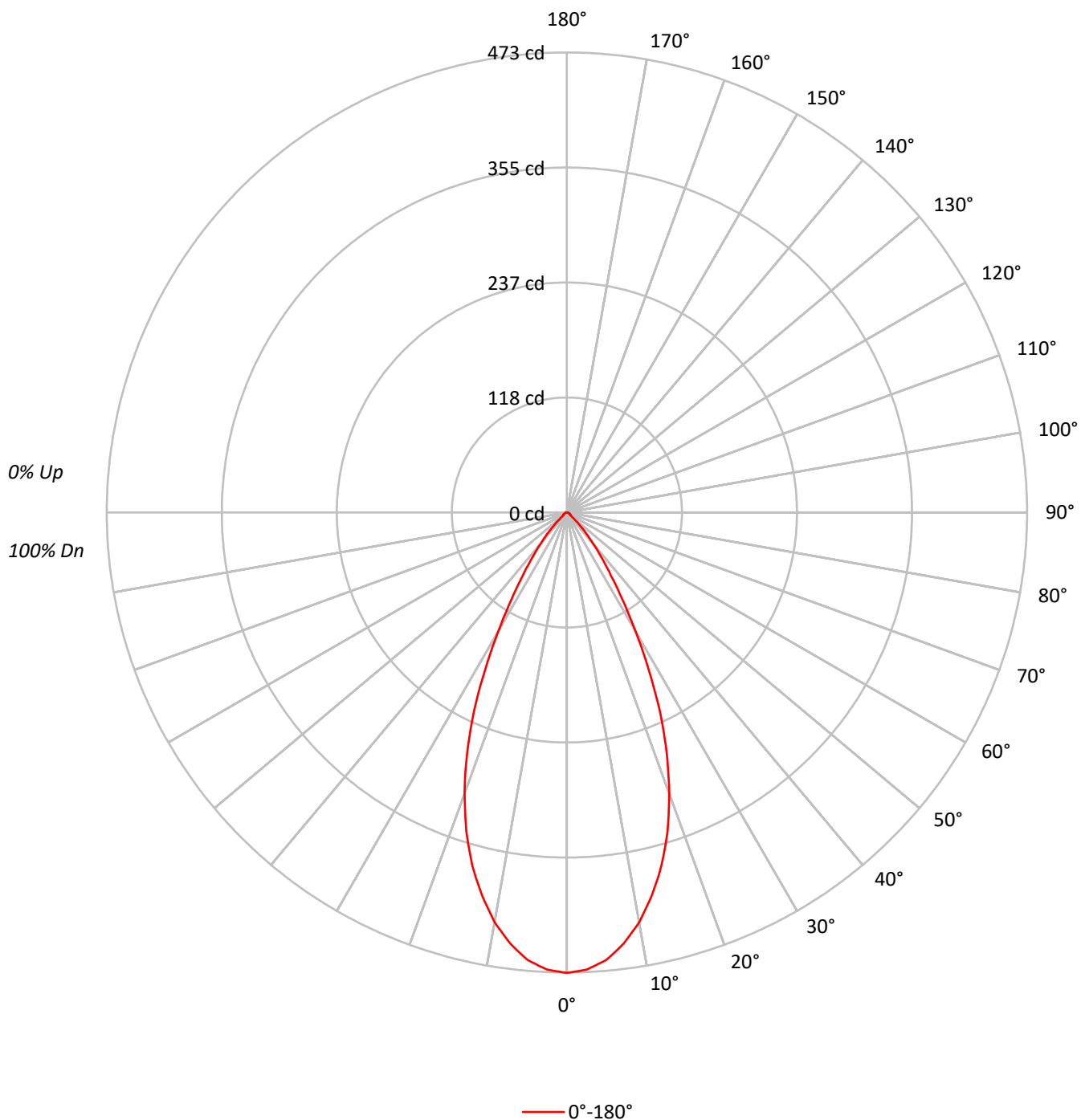
Lumens per Lamp: N/A
Luminaire Lumens: 326.0 lumens
Efficiency: N/A
Efficacy: 36.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	103786
5°	101695
10°	95255
15°	85290
20°	71756
25°	54777
30°	35600
35°	21094
40°	12194
45°	6109
50°	2286
55°	1759
60°	1667
65°	1505
70°	1475
75°	1440
80°	1515
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6109 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	13.2
10°-20°	103.9	31.9
20°-30°	101.9	31.3
30°-40°	51.3	15.8
40°-50°	16.2	5.0
50°-60°	4.2	1.3
60°-70°	3.0	0.9
70°-80°	1.8	0.6
80°-90°	0.7	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°	248.8	76.3
0°-40°	300.1	92.1
0°-60°	320.6	98.3
0°-90°	326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	326.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	473	
5°	462	43
15°	376	104
25°	226	102
35°	79	51
45°	20	16
55°	5	4
65°	3	3
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	473.3
2.5°	470.4
5°	462.0
7.5°	447.0
10°	427.8
12.5°	403.2
15°	375.7
17.5°	343.8
20°	307.5
22.5°	268.4
25°	226.4
27.5°	181.7
30°	140.6
32.5°	105.8
35°	78.8
37.5°	58.3
40°	42.6
42.5°	30.1
45°	19.7
47.5°	11.3
50°	6.7
52.5°	4.9
55°	4.6
57.5°	4.1
60°	3.8
62.5°	3.5
65°	2.9
67.5°	2.6
70°	2.3
72.5°	2.0
75°	1.7
77.5°	1.4
80°	1.2
82.5°	0.9
85°	0.6
87.5°	0.3
90°	0.0

(END OF REPORT)