

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: P1290149

Luminaire Tested: P3A05R50W2N902765DE010 E3D1LI_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R50W2N902765DE010 E3D1LI_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

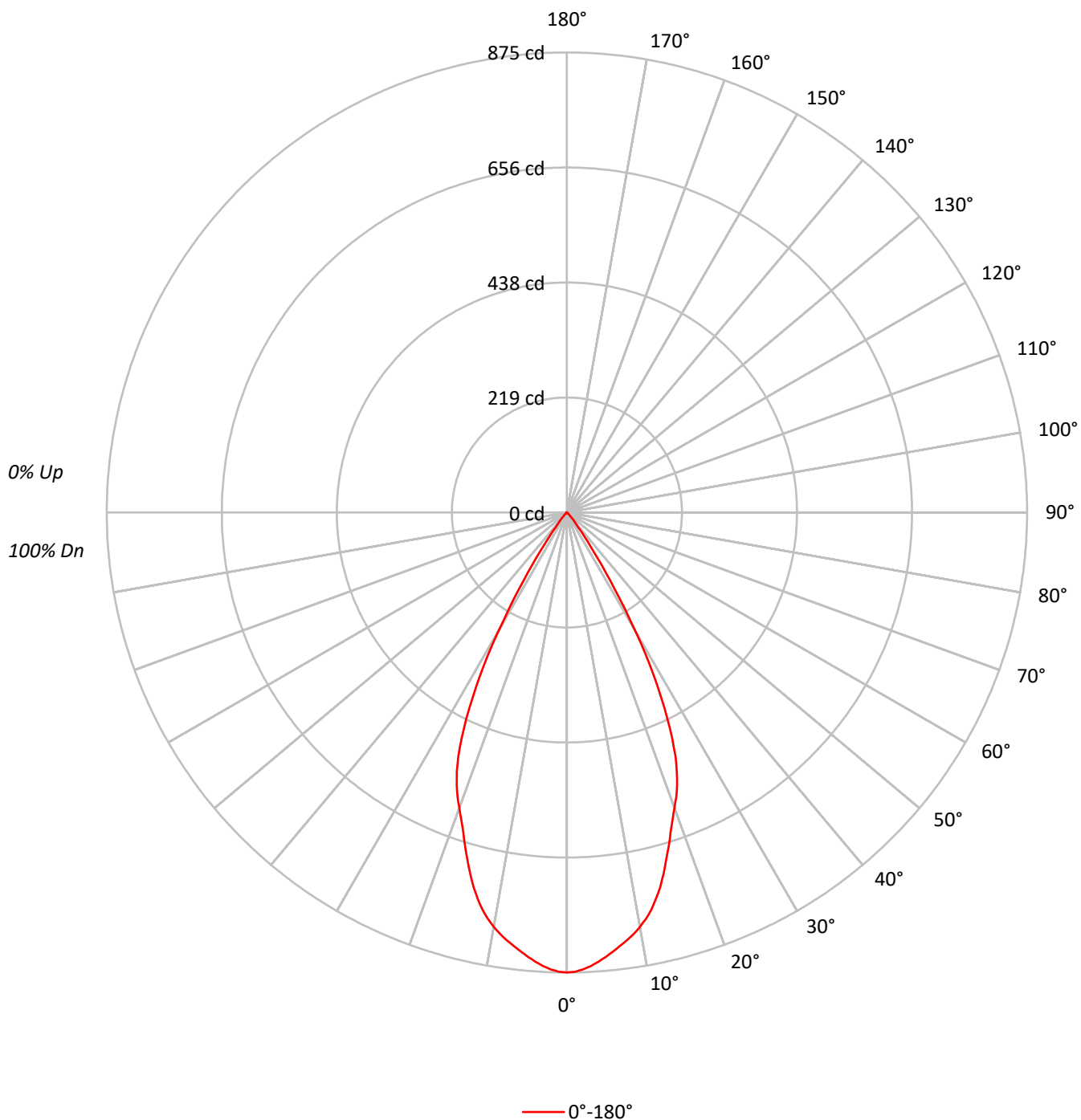
Lumens per Lamp: N/A
Luminaire Lumens: 549.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P1290149

CATALOG NUMBER: P3A05R50W2N902765DE010 E3D1LI_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1290149

CATALOG NUMBER: P3A05R50W2N902765DE010 E3D1LI_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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90		
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80		
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76		
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72		
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68		
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	65		
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62		
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	191849
5°	186748
10°	178198
15°	161340
20°	139569
25°	114490
30°	65757
35°	20425
40°	5496
45°	1923
50°	478
55°	153
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1923 cd/sqm

TEST NUMBER: P1290149

CATALOG NUMBER: P3A05R50W2N902765DE010 E3D1LI_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	14.5
10°-20°	196.9	35.9
20°-30°	207.0	37.7
30°-40°	59.2	10.8
40°-50°	5.8	1.1
50°-60°	0.5	0.1
60°-70°	0.2	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	483.3	88.0
0°-40°	542.6	98.8
0°-60°	548.8	100.0
0°-90°	549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	875	
5°	848	79
15°	711	197
25°	473	207
35°	76	59
45°	6	6
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1290149

CATALOG NUMBER: P3A05R50W2N902765DE010 E3D1LI_3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	874.9
1°	873.6
2°	869.7
3°	864.1
4°	856.5
5°	848.4
6°	839.7
7°	830.4
8°	821.7
9°	811.6
10°	800.3
11°	787.4
12°	772.5
13°	753.9
14°	733.7
15°	710.7
16°	686.3
17°	662.6
18°	638.4
19°	617.1
20°	598.1
21°	579.9
22°	559.2
23°	535.4
24°	507.5
25°	473.2
26°	436.0
27°	394.6
28°	353.3
29°	308.8
30°	259.7
31°	213.8
32°	171.6
32.5°	153.2
33°	134.6
34°	103.2
35°	76.3
36°	56.0
37°	41.6
37.5°	36.0
38°	31.2
39°	24.2
40°	19.2
42.5°	10.8
45°	6.2



TEST NUMBER: P1290149

CATALOG NUMBER: P3A05R50W2N902765DE010 E3D1LI_3000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.5
50°	1.4
52.5°	0.6
55°	0.4
57.5°	0.4
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)