

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: P1289996

Luminaire Tested: P3A05R50W2N902750DE010 E3D1LI_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289996
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: P3A05R50W2N902750DE010 E3D1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

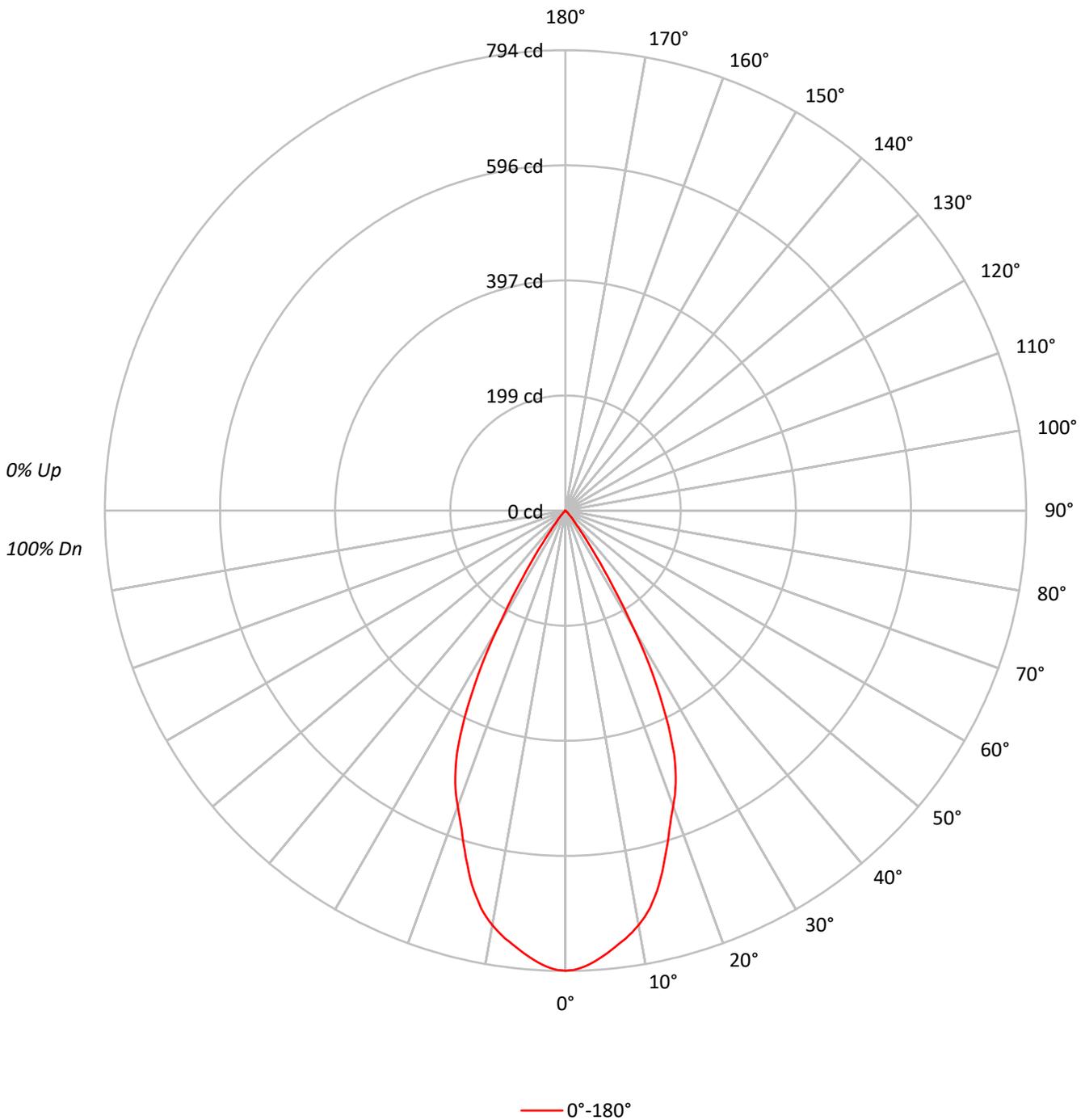
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 498.0 lumens
Efficiency: N/A
Efficacy: 84.4 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: P1289996
CATALOG NUMBER: P3A05R50W2N902750DE010 E3D1LI_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1289996
 CATALOG NUMBER: P3A05R50W2N902750DE010 E3D1LI_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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	74	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°	174021
5°	169403
10°	161654
15°	146357
20°	126618
25°	103845
30°	59655
35°	18524
40°	4981
45°	1737
50°	409
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: 1737 cd/sqm



TEST NUMBER: P1289996

CATALOG NUMBER: P3A05R50W2N902750DE010 E3D1LI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	14.5
10°-20°	178.6	35.9
20°-30°	187.7	37.7
30°-40°	53.7	10.8
40°-50°	5.2	1.1
50°-60°	0.4	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°	438.4	88.0
0°-40°	492.2	98.8
0°-60°	497.9	100.0
0°-90°	498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	498.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	794	
5°	770	72
15°	645	179
25°	429	188
35°	69	54
45°	6	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1289996
CATALOG NUMBER: P3A05R50W2N902750DE010 E3D1LI_2700K

CANDELA DISTRIBUTION (FULL):

	0°
0°	793.6
1°	792.4
2°	788.9
3°	783.8
4°	777.0
5°	769.6
6°	761.7
7°	753.2
8°	745.3
9°	736.2
10°	726.0
11°	714.2
12°	700.7
13°	683.8
14°	665.6
15°	644.7
16°	622.5
17°	601.1
18°	579.1
19°	559.8
20°	542.6
21°	526.1
22°	507.3
23°	485.6
24°	460.3
25°	429.2
26°	395.5
27°	357.9
28°	320.5
29°	280.1
30°	235.6
31°	194.0
32°	155.7
32.5°	139.0
33°	122.1
34°	93.6
35°	69.2
36°	50.8
37°	37.8
37.5°	32.7
38°	28.3
39°	22.0
40°	17.4
42.5°	9.8
45°	5.6



TEST NUMBER: P1289996
CATALOG NUMBER: P3A05R50W2N902750DE010 E3D1LI_2700K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.2
50°	1.2
52.5°	0.5
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)