

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: P1298988

Luminaire Tested: P3A13R70W2N902765DE010 E3D1H_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R70W2N902765DE010 E3D1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

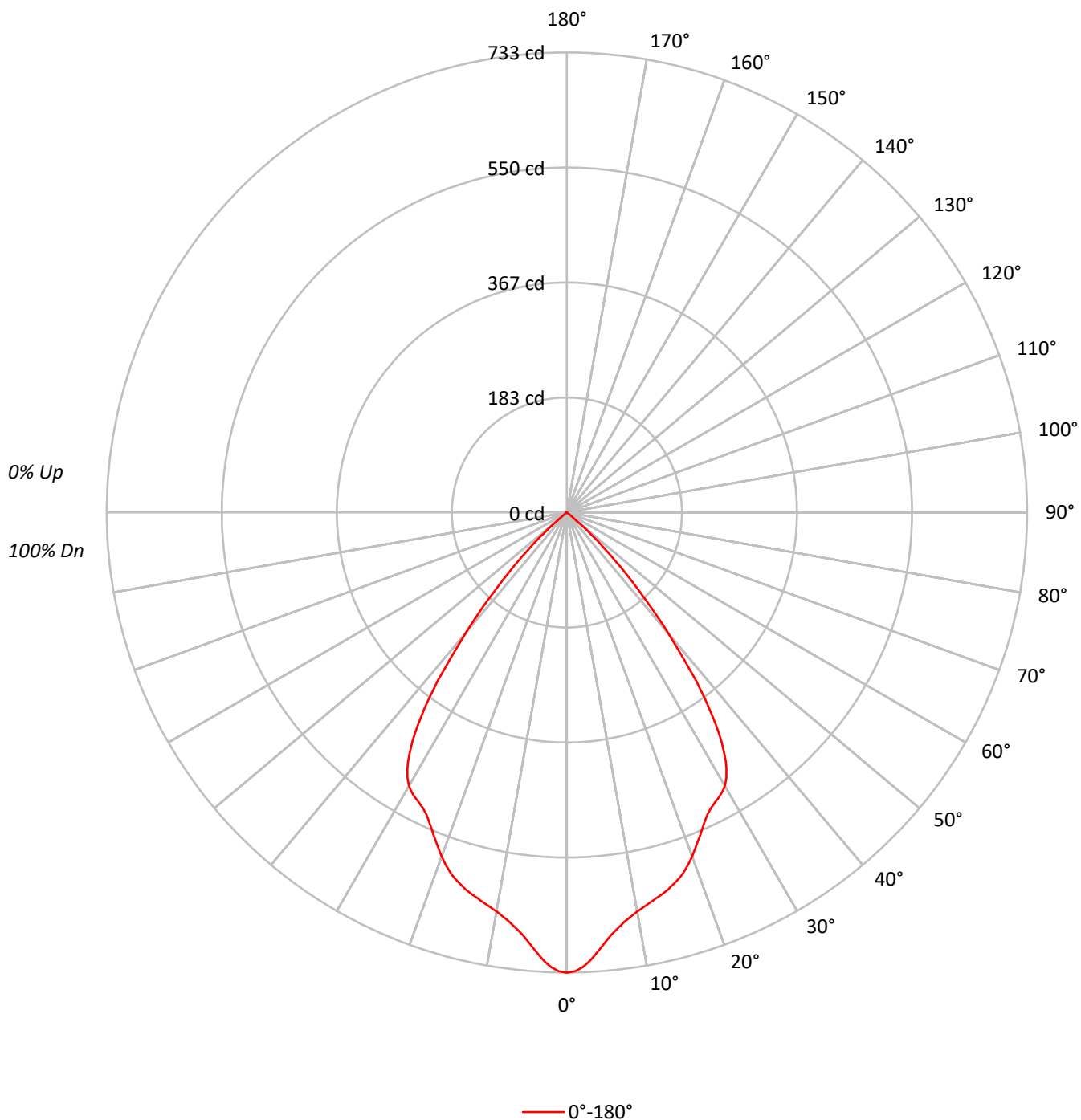
Lumens per Lamp: N/A
Luminaire Lumens: 827.0 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1298988

CATALOG NUMBER: P3A13R70W2N902765DE010 E3D1H_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1298988

CATALOG NUMBER: P3A13R70W2N902765DE010 E3D1H_2700K

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95		93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87		85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86	83	80		79
4	95	87	81	77	94	86	81	77	84	79	76		82	78	75		80	77	74		72
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75	71	68		66
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70	66	63		61
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66	61	58		57
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62	57	54		52
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58	53	50		49
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55	50	47		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	160799
5°	151617
10°	143774
15°	141181
20°	136092
25°	128282
30°	127361
35°	110932
40°	71763
45°	33926
50°	4742
55°	382
60°	307
65°	363
70°	192
75°	254
80°	379
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33926 cd/sqm

TEST NUMBER: P1298988

CATALOG NUMBER: P3A13R70W2N902765DE010 E3D1H_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	7.8
10°-20°	174.7	21.1
20°-30°	247.1	29.9
30°-40°	248.3	30.0
40°-50°	89.3	10.8
50°-60°	2.4	0.3
60°-70°	0.5	0.1
70°-80°	0.3	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°	486.1	58.8
0°-40°	734.4	88.8
0°-60°	826.1	99.9
0°-90°	827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	733	
5°	689	64
15°	622	175
25°	530	247
35°	414	248
45°	109	89
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1298988

CATALOG NUMBER: P3A13R70W2N902765DE010 E3D1H_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	733.3
1°	731.3
2°	724.8
3°	714.6
4°	701.7
5°	688.8
6°	676.6
7°	667.1
8°	658.6
9°	651.8
10°	645.7
11°	640.6
12°	635.8
13°	631.1
14°	626.7
15°	621.9
16°	616.1
17°	610.0
18°	602.6
19°	593.4
20°	583.2
21°	572.0
22°	560.8
23°	549.9
24°	539.4
25°	530.2
26°	523.8
27°	518.7
28°	514.6
29°	509.8
30°	503.0
31°	493.2
32°	479.3
32.5°	471.4
33°	460.9
34°	440.2
35°	414.4
36°	385.9
37°	353.6
37.5°	338.6
38°	318.3
39°	281.9
40°	250.7
42.5°	173.6
45°	109.4



TEST NUMBER: P1298988

CATALOG NUMBER: P3A13R70W2N902765DE010 E3D1H_2700K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	58.8
50°	13.9
52.5°	1.7
55°	1.0
57.5°	1.0
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)