

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: P1298999

Luminaire Tested: P3A13R70W2N902765DE010 E3D1LI_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298999
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 E3D1LI_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 6500K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

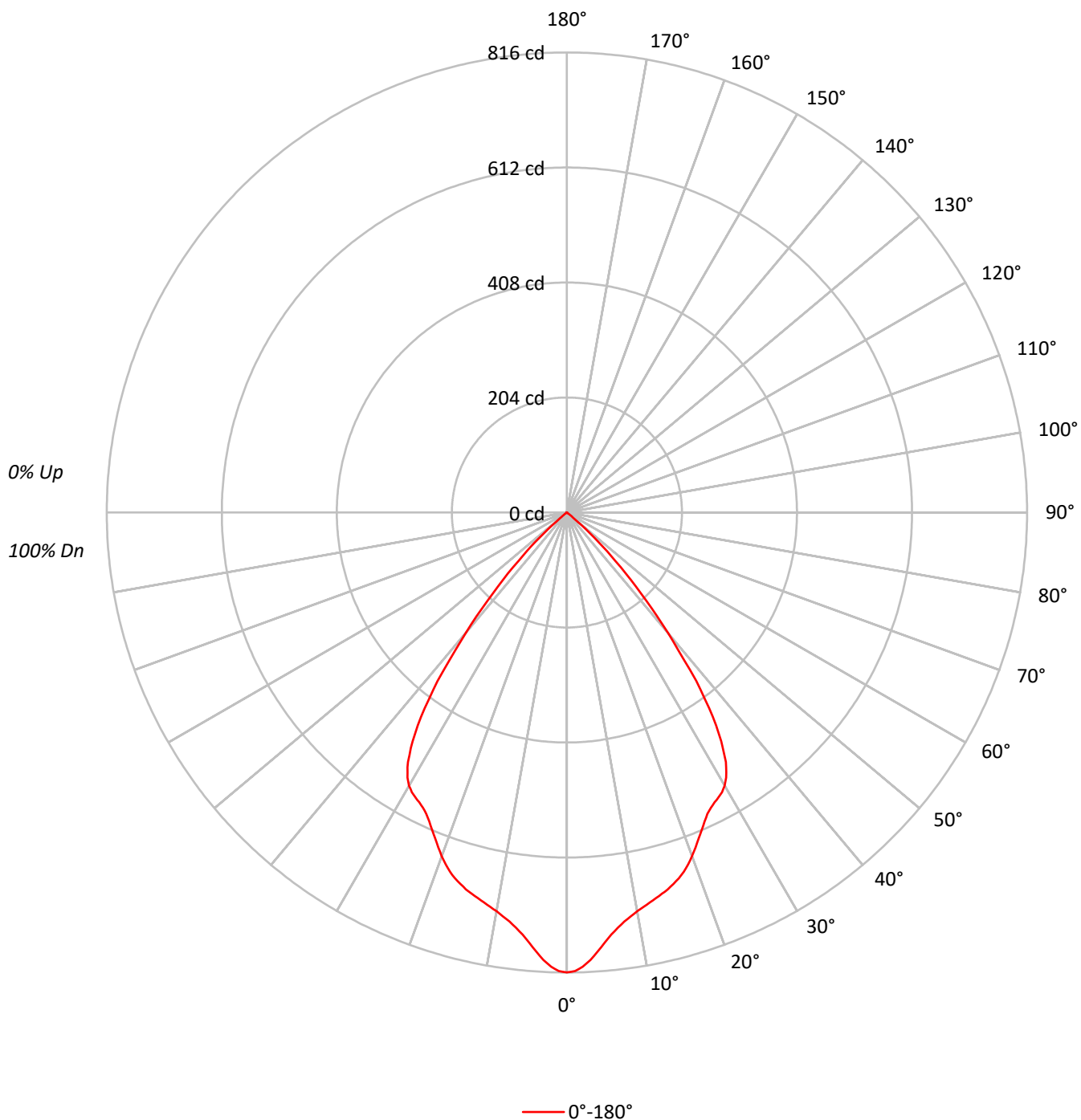
Lumens per Lamp: N/A
Luminaire Lumens: 920.1 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1298999

CATALOG NUMBER: P3A13R70W2N902765DE010 E3D1LI_6500K

Luminous Intensity Polar Plot



TEST NUMBER: P1298999

CATALOG NUMBER: P3A13R70W2N902765DE010 E3D1LI_6500K

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	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	76	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°	178889
5°	168677
10°	159939
15°	157072
20°	151400
25°	142702
30°	141693
35°	123406
40°	79835
45°	37740
50°	5288
55°	421
60°	351
65°	415
70°	256
75°	339
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37740 cd/sqm

TEST NUMBER: P1298999

CATALOG NUMBER: P3A13R70W2N902765DE010 E3D1LI_6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	7.8
10°-20°	194.3	21.1
20°-30°	274.9	29.9
30°-40°	276.2	30.0
40°-50°	99.4	10.8
50°-60°	2.7	0.3
60°-70°	0.6	0.1
70°-80°	0.4	0.0
80°-90°	0.1	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°	540.7	58.8
0°-40°	816.9	88.8
0°-60°	919.0	99.9
0°-90°	920.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	920.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	816	
5°	766	72
15°	692	194
25°	590	275
35°	461	276
45°	122	99
55°	1	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1298999

CATALOG NUMBER: P3A13R70W2N902765DE010 E3D1LI_6500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	815.8
1°	813.5
2°	806.3
3°	795.0
4°	780.7
5°	766.3
6°	752.7
7°	742.1
8°	732.7
9°	725.1
10°	718.3
11°	712.6
12°	707.3
13°	702.1
14°	697.1
15°	691.9
16°	685.4
17°	678.6
18°	670.3
19°	660.1
20°	648.8
21°	636.3
22°	623.8
23°	611.8
24°	600.0
25°	589.8
26°	582.7
27°	577.0
28°	572.5
29°	567.2
30°	559.6
31°	548.6
32°	533.2
32.5°	524.5
33°	512.8
34°	489.7
35°	461.0
36°	429.2
37°	393.3
37.5°	376.7
38°	354.1
39°	313.6
40°	278.9
42.5°	193.1
45°	121.7



TEST NUMBER: P1298999

CATALOG NUMBER: P3A13R70W2N902765DE010 E3D1LI_6500K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	65.4
50°	15.5
52.5°	1.9
55°	1.1
57.5°	1.1
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)