

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: P1298860

Luminaire Tested: P3A13R70W2N902750DE010 E3D1H_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298860
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: P3A13R70W2N902750DE010 E3D1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

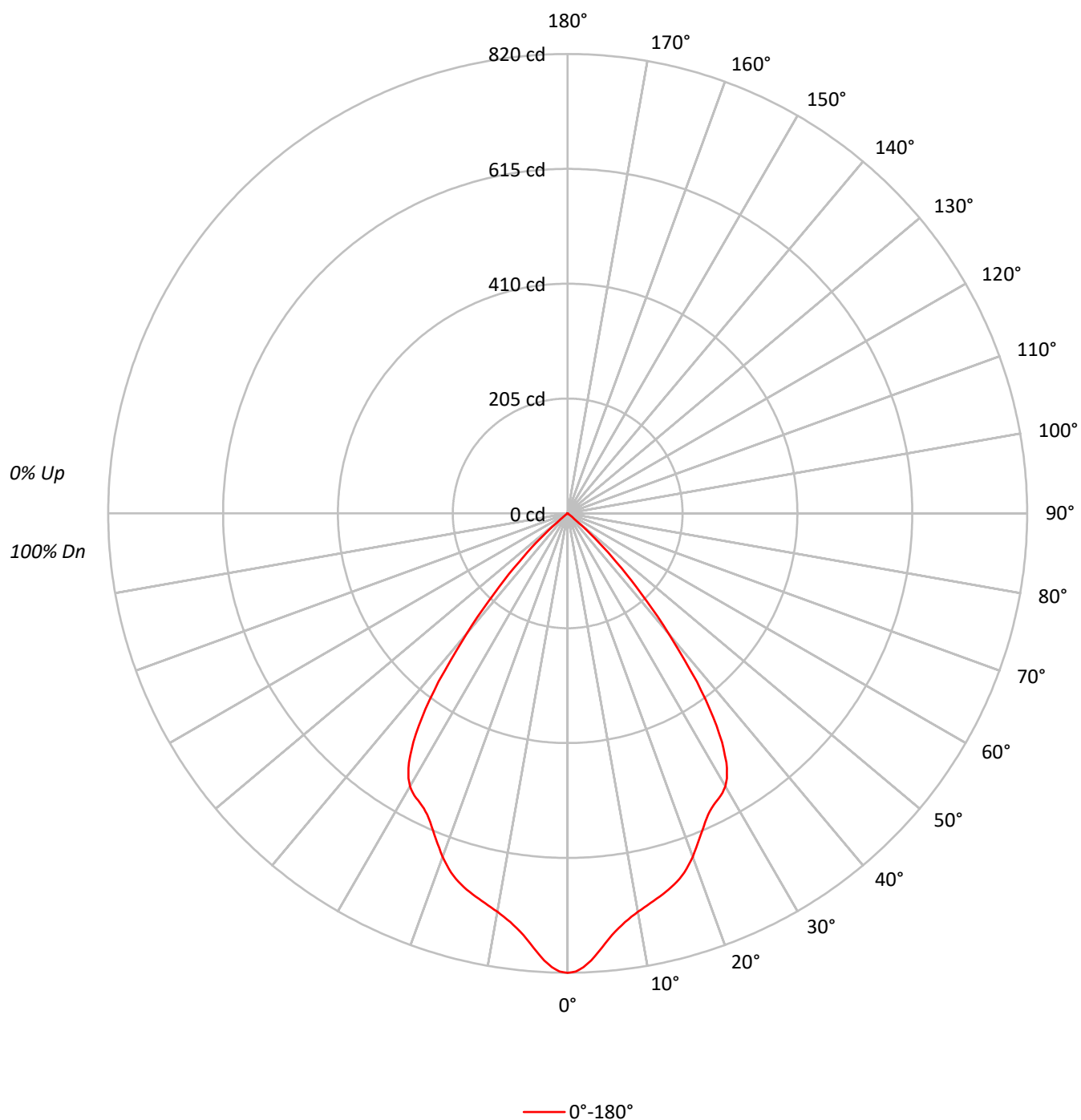
Lumens per Lamp: N/A
Luminaire Lumens: 925.0 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1298860

CATALOG NUMBER: P3A13R70W2N902750DE010 E3D1H_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1298860

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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	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°	179854
5°	169601
10°	160808
15°	157912
20°	152217
25°	143476
30°	142452
35°	124075
40°	80265
45°	37926
50°	5322
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: 37926 cd/sqm

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CATALOG NUMBER: P3A13R70W2N902750DE010 E3D1H_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	7.8
10°-20°	195.3	21.1
20°-30°	276.4	29.9
30°-40°	277.7	30.0
40°-50°	99.9	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°	543.6	58.8
0°-40°	821.4	88.8
0°-60°	923.9	99.9
0°-90°	925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	820	
5°	770	72
15°	696	195
25°	593	276
35°	464	278
45°	122	100
55°	1	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1298860

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CANDELA DISTRIBUTION (FULL):

0°	
0°	820.2
1°	817.9
2°	810.7
3°	799.3
4°	784.9
5°	770.5
6°	756.8
7°	746.1
8°	736.6
9°	729.0
10°	722.2
11°	716.5
12°	711.2
13°	705.9
14°	700.9
15°	695.6
16°	689.2
17°	682.3
18°	674.0
19°	663.7
20°	652.3
21°	639.8
22°	627.2
23°	615.1
24°	603.3
25°	593.0
26°	585.8
27°	580.1
28°	575.6
29°	570.2
30°	562.6
31°	551.6
32°	536.1
32.5°	527.3
33°	515.5
34°	492.4
35°	463.5
36°	431.6
37°	395.5
37.5°	378.8
38°	356.0
39°	315.3
40°	280.4
42.5°	194.1
45°	122.3



TEST NUMBER: P1298860

CATALOG NUMBER: P3A13R70W2N902750DE010 E3D1H_4000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	65.7
50°	15.6
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)