

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: P1298888

Luminaire Tested: P3A13R70W2N902750DE010 E3DL1H_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R70W2N902750DE010 E3DL1H_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

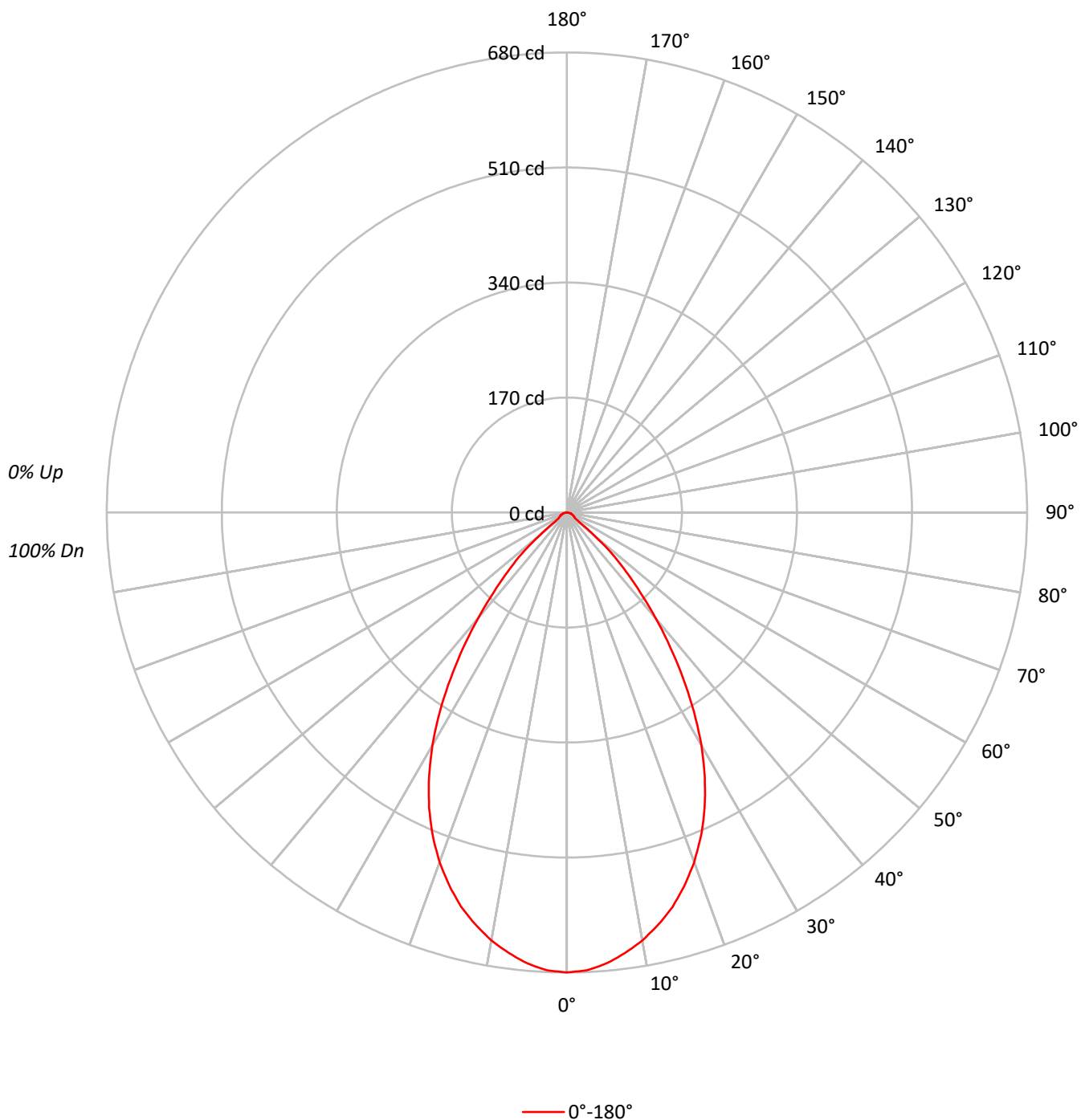
Lumens per Lamp: N/A
Luminaire Lumens: 770.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1298888

CATALOG NUMBER: P3A13R70W2N902750DE010 E3DL1H_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1298888

CATALOG NUMBER: P3A13R70W2N902750DE010 E3DL1H_3000K

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	107	104	110	107	105	103	103	101	100		100	98	97		96	95	94	92
2	106	101	96	93	104	99	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84	81	79	77
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79	75	72	70
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74	70	66	65
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69	65	61	60
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65	60	57	55
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61	56	53	51
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57	52	49	48
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149067
5°	147281
10°	143017
15°	136959
20°	128298
25°	116547
30°	100674
35°	80254
40°	58452
45°	38423
50°	18012
55°	5543
60°	5350
65°	5137
70°	4873
75°	5168
80°	4799
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38423 cd/sqm

TEST NUMBER: P1298888

CATALOG NUMBER: P3A13R70W2N902750DE010 E3DL1H_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	8.2
10°-20°	168.9	21.9
20°-30°	219.5	28.5
30°-40°	186.2	24.2
40°-50°	96.0	12.5
50°-60°	18.5	2.4
60°-70°	10.0	1.3
70°-80°	6.1	0.8
80°-90°	1.8	0.2
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°	451.3	58.6
0°-40°	637.5	82.8
0°-60°	752.1	97.7
0°-90°	770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	770.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	680	
5°	669	63
15°	603	169
25°	482	219
35°	300	186
45°	124	96
55°	14	18
65°	10	10
75°	6	6
85°	2	2
90°	0	

TEST NUMBER: P1298888

CATALOG NUMBER: P3A13R70W2N902750DE010 E3DL1H_3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	679.8
2.5°	677.5
5°	669.1
7.5°	656.9
10°	642.3
12.5°	624.0
15°	603.3
17.5°	578.1
20°	549.8
22.5°	517.7
25°	481.7
27.5°	441.2
30°	397.6
32.5°	349.5
35°	299.8
37.5°	250.8
40°	204.2
42.5°	160.6
45°	123.9
47.5°	91.0
50°	52.8
52.5°	22.9
55°	14.5
57.5°	13.8
60°	12.2
62.5°	11.5
65°	9.9
67.5°	9.2
70°	7.6
72.5°	6.9
75°	6.1
77.5°	4.6
80°	3.8
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)