

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: P1298868

Luminaire Tested: P3A13R70W2N902750DE010 E3D1MW_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R70W2N902750DE010 E3D1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

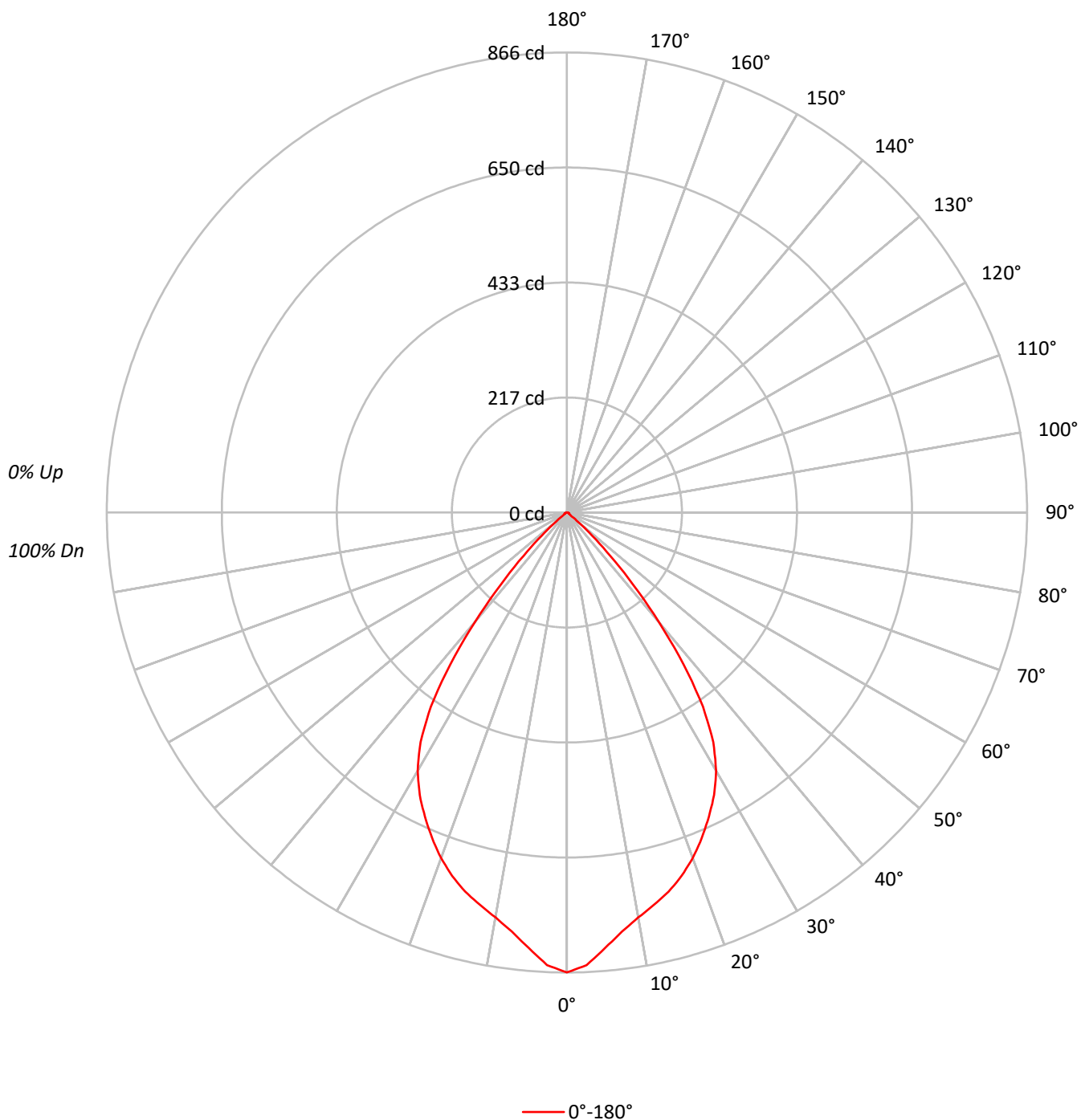
Lumens per Lamp: N/A
Luminaire Lumens: 956.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	105	111	108	106	103	104	102	100		100	99	97		97	96	94		93
2	107	102	97	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		85	82	80		78
4	95	87	81	77	94	86	81	76	84	79	75		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	64	59	68	63	59		67	62	59		66	62	58		57
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62	57	54		53
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58	54	50		49
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55	50	47		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	189831
5°	181135
10°	172341
15°	167742
20°	161551
25°	152888
30°	142199
35°	119444
40°	77001
45°	35787
50°	9381
55°	2332
60°	2324
65°	1972
70°	1988
75°	1949
80°	1894
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35787 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	8.1
10°-20°	207.6	21.7
20°-30°	290.1	30.3
30°-40°	268.9	28.1
40°-50°	96.4	10.1
50°-60°	8.2	0.9
60°-70°	4.1	0.4
70°-80°	2.6	0.3
80°-90°	1.0	0.1
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°	574.7	60.1
0°-40°	843.7	88.2
0°-60°	948.3	99.2
0°-90°	956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	956.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	866	
5°	823	77
15°	739	208
25°	632	290
35°	446	269
45°	115	96
55°	6	8
65°	4	4
75°	2	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	865.7
2.5°	852.7
5°	822.9
7.5°	795.4
10°	774.0
12.5°	756.5
15°	738.9
17.5°	717.5
20°	692.3
22.5°	663.2
25°	631.9
27.5°	599.8
30°	561.6
32.5°	512.7
35°	446.2
37.5°	361.4
40°	269.0
42.5°	183.4
45°	115.4
47.5°	64.2
50°	27.5
52.5°	9.2
55°	6.1
57.5°	5.3
60°	5.3
62.5°	4.6
65°	3.8
67.5°	3.8
70°	3.1
72.5°	3.1
75°	2.3
77.5°	2.3
80°	1.5
82.5°	1.5
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)