

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: P1298854

Luminaire Tested: P3A13R70W2N902750DE010 E3CD1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298854
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 E3CD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

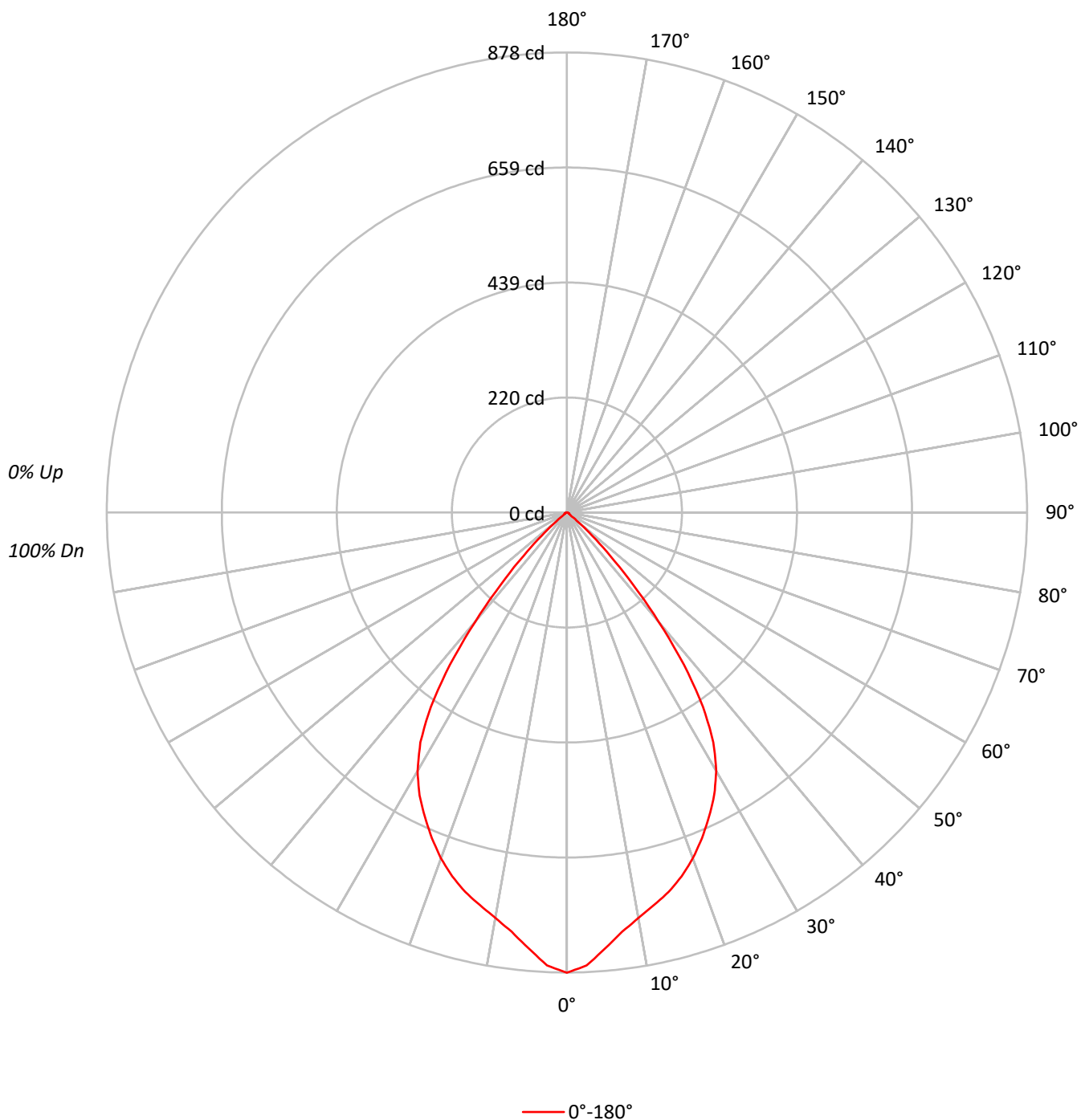
Lumens per Lamp: N/A
Luminaire Lumens: 970.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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°	192616
5°	183799
10°	174880
15°	170194
20°	163908
25°	155138
30°	144275
35°	121211
40°	78118
45°	36314
50°	9518
55°	2370
60°	2368
65°	2024
70°	1988
75°	1949
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36314 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	8.1
10°-20°	210.7	21.7
20°-30°	294.3	30.3
30°-40°	272.9	28.1
40°-50°	97.8	10.1
50°-60°	8.3	0.9
60°-70°	4.1	0.4
70°-80°	2.7	0.3
80°-90°	1.1	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°	583.1	60.1
0°-40°	856.0	88.2
0°-60°	962.2	99.2
0°-90°	970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	878	
5°	835	78
15°	750	211
25°	641	294
35°	453	273
45°	117	98
55°	6	8
65°	4	4
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	878.4
2.5°	865.2
5°	835.0
7.5°	807.1
10°	785.4
12.5°	767.5
15°	749.7
17.5°	728.0
20°	702.4
22.5°	672.9
25°	641.2
27.5°	608.6
30°	569.8
32.5°	520.2
35°	452.8
37.5°	366.7
40°	272.9
42.5°	186.1
45°	117.1
47.5°	65.1
50°	27.9
52.5°	9.3
55°	6.2
57.5°	5.4
60°	5.4
62.5°	4.7
65°	3.9
67.5°	3.9
70°	3.1
72.5°	3.1
75°	2.3
77.5°	2.3
80°	1.6
82.5°	1.6
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)