

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: P#

Luminaire Tested: P3ART13R70W2N902750DE010 E3CLDWW1MMS_2700K

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART13R70W2N902750DE010 E3CLDWW1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

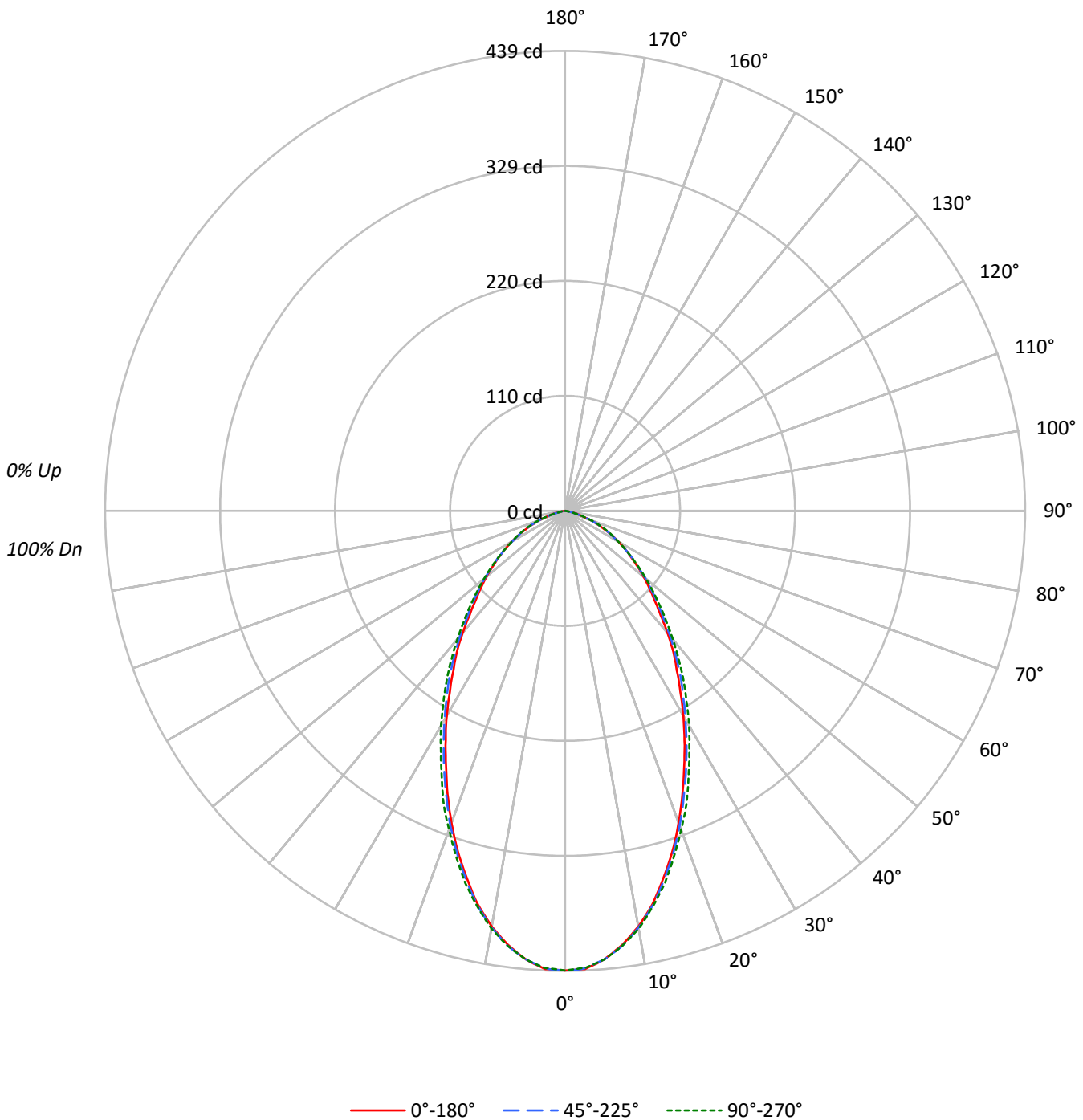
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 611.0 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	96198	96198	96198
5°	94585	94585	94585
10°	89667	89889	90112
15°	82339	82793	83474
20°	73926	74626	75560
25°	65036	66004	67456
30°	57173	58186	59959
35°	49764	51370	52709
40°	43481	44626	45771
45°	37492	38733	39663
50°	33398	34080	34421
55°	29399	29781	29781
60°	25875	25437	25875
65°	21273	21792	22311
70°	16669	16669	17311
75°	11014	10167	10167
80°	6314	5051	3788
85°	2516	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 39663 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	6.6
10°-20°	101.9	16.7
20°-30°	125.6	20.6
30°-40°	119.7	19.6
40°-50°	96.9	15.9
50°-60°	69.7	11.4
60°-70°	41.8	6.8
70°-80°	14.0	2.3
80°-90°	1.2	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°	267.7	43.8
0°-40°	387.4	63.4
0°-60°	554.0	90.7
0°-90°	611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	439	439	439	439	439	
5°	430	430	430	430	430	40
15°	363	363	365	366	368	101
25°	269	271	273	277	279	124
35°	186	187	192	195	197	117
45°	121	123	125	127	128	94
55°	77	77	78	78	78	69
65°	41	42	42	43	43	41
75°	13	13	12	12	12	15
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	438.7	438.7	438.7	438.7	438.7	438.7	438.7	438.7	438.7	438.7	438.7
2°	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	436.7
2.5°	437.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7	437.7	436.7
5°	429.7	429.7	429.7	429.7	429.7	429.7	429.7	429.7	430.7	429.7	429.7
7.5°	417.7	417.7	417.7	417.7	418.7	418.7	418.7	418.7	419.7	419.7	418.7
10°	402.7	402.7	402.7	402.7	403.7	403.7	404.7	403.7	403.7	404.7	404.7
12.5°	384.7	383.7	383.7	383.7	384.7	385.7	385.7	385.7	386.7	386.7	386.7
15°	362.7	362.7	362.7	363.7	363.7	364.7	365.7	365.7	366.7	366.7	367.7
17.5°	340.7	340.7	339.7	340.7	341.7	342.7	343.7	344.7	345.7	345.7	345.7
20°	316.8	315.8	316.8	317.8	318.8	319.8	320.8	322.8	323.8	323.8	323.8
22.5°	292.8	291.8	292.8	293.8	294.8	295.8	298.8	299.8	300.8	300.8	302.8
25°	268.8	268.8	269.8	270.8	271.8	272.8	274.8	276.8	277.8	278.8	278.8
27.5°	246.8	246.8	246.8	246.8	248.8	250.8	252.8	254.8	255.8	256.8	256.8
30°	225.8	224.8	224.8	225.8	227.8	229.8	231.8	233.8	234.8	235.8	236.8
32.5°	204.8	204.8	204.8	205.8	206.8	209.8	211.8	212.8	214.8	215.8	215.8
35°	185.9	185.9	185.9	187.9	189.9	191.9	192.9	194.9	196.9	196.9	196.9
37.5°	169.9	170.9	172.9	171.9	171.9	172.9	173.9	175.9	177.9	177.9	177.9
40°	151.9	152.9	153.9	152.9	153.9	155.9	156.9	157.9	158.9	159.9	159.9
42.5°	134.9	134.9	134.9	135.9	137.9	138.9	140.9	141.9	142.9	142.9	142.9
45°	120.9	120.9	121.9	122.9	123.9	124.9	125.9	126.9	127.9	127.9	127.9
47.5°	108.9	108.9	109.9	109.9	110.9	111.9	112.9	112.9	113.9	114.9	113.9
50°	97.9	97.9	97.9	98.9	98.9	99.9	99.9	100.9	100.9	100.9	100.9
52.5°	86.9	86.9	86.9	86.9	87.9	87.9	87.9	88.9	88.9	88.9	88.9
55°	76.9	76.9	76.9	76.9	76.9	77.9	77.9	77.9	77.9	77.9	77.9
57.5°	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
60°	59.0	59.0	59.0	59.0	59.0	58.0	59.0	59.0	59.0	59.0	59.0
62.5°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	51.0	51.0	51.0	51.0
65°	41.0	42.0	42.0	42.0	42.0	42.0	42.0	43.0	43.0	43.0	43.0
67.5°	33.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	35.0	35.0	35.0
70°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	27.0
72.5°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	19.0	19.0	19.0
75°	13.0	13.0	13.0	13.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
77.5°	9.0	9.0	9.0	8.0	8.0	7.0	7.0	7.0	7.0	7.0	6.0
80°	5.0	5.0	5.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)