

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 E3CLSWW1MMS_5000K

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART13R70W2N902750DE010 E3CLSWW1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

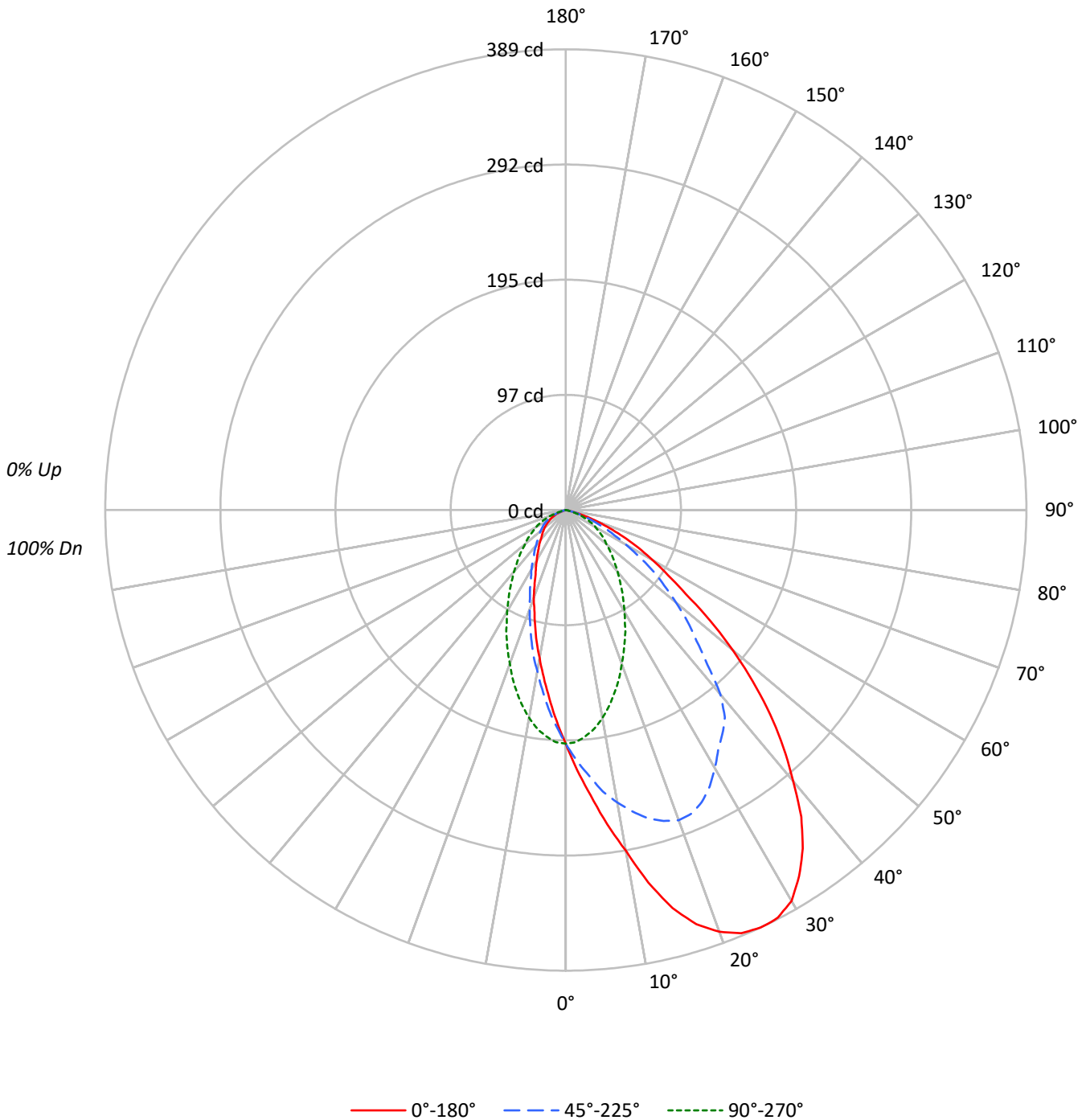
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 393.0 lumens
Efficiency: N/A
Efficacy: 32.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	43264	43264	43264	43264	43264
5°	53247	49571	42197	37046	35087
10°	65018	55844	39701	30772	28301
15°	78956	61226	36186	25562	22770
20°	88441	65036	32249	20815	18458
25°	94118	65810	28598	17251	14565
30°	96521	63782	25118	14686	12407
35°	93398	61757	22085	12528	10734
40°	85503	58080	19465	11164	9561
45°	75698	48408	17273	10358	8652
50°	62736	41449	15215	9518	7983
55°	47291	34522	14069	8946	7226
60°	37146	25919	12718	8289	6359
65°	27759	19094	11000	6953	5189
70°	17888	12117	7886	5001	2885
75°	7540	6608	3813	1864	932
80°	1389	1389	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75698 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	4.8
10°-20°	53.9	13.7
20°-30°	78.8	20.0
30°-40°	85.8	21.8
40°-50°	74.3	18.9
50°-60°	49.7	12.7
60°-70°	25.7	6.5
70°-80°	6.1	1.5
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°	151.3	38.5
0°-40°	237.2	60.3
0°-60°	361.2	91.9
0°-90°	393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	393.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	197	197	197	197	197	
5°	242	225	192	168	159	25
15°	348	270	159	113	100	99
25°	389	272	118	71	60	179
35°	349	231	82	47	40	216
45°	244	156	56	33	28	187
55°	124	90	37	23	19	114
65°	54	37	21	13	10	54
75°	9	8	4	2	1	12
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3
2.5°	219.6	218.5	218.5	216.2	214.0	211.8	208.4	205.1	201.8	198.4	196.2
5°	241.9	243.0	241.9	237.4	231.8	225.2	218.5	210.7	202.9	196.2	191.7
7.5°	267.5	267.5	264.2	258.6	250.8	239.6	228.5	215.1	202.9	191.7	186.1
10°	292.0	292.0	286.5	277.5	265.3	250.8	235.2	217.4	200.6	185.0	178.3
12.5°	322.1	321.0	314.3	299.8	282.0	260.8	239.6	217.4	197.3	178.3	169.4
15°	347.8	346.7	337.7	319.9	296.5	269.7	240.8	215.1	190.6	169.4	159.4
17.5°	366.7	364.5	354.5	335.5	308.8	275.3	241.9	210.7	182.8	159.4	149.4
20°	379.0	377.9	366.7	344.4	315.4	278.7	240.8	205.1	175.0	149.4	138.2
22.5°	386.8	384.6	373.4	348.9	315.4	277.5	236.3	197.3	165.0	139.3	128.2
25°	389.0	387.9	374.5	347.8	312.1	272.0	229.6	189.5	154.9	129.3	118.2
26°	389.0	387.9	374.5	346.7	309.9	268.6	226.3	186.1	151.6	124.8	114.8
27.5°	387.9	386.8	372.3	343.3	305.4	263.1	219.6	179.5	144.9	119.3	108.1
30°	381.2	379.0	364.5	335.5	295.4	251.9	208.4	169.4	134.9	109.2	99.2
32.5°	366.7	364.5	348.9	322.1	284.2	239.6	196.2	158.3	124.8	99.2	90.3
35°	348.9	346.7	331.1	305.4	268.6	230.7	182.8	146.0	113.7	91.4	82.5
37.5°	326.6	323.2	309.9	283.1	249.7	220.7	171.7	133.8	103.7	82.5	74.7
40°	298.7	297.6	285.4	260.8	227.4	202.9	165.0	133.8	94.7	74.7	68.0
42.5°	272.0	269.7	258.6	237.4	207.3	177.2	144.9	128.2	88.1	66.9	61.3
45°	244.1	241.9	231.8	214.0	186.1	156.1	128.2	110.4	75.8	61.3	55.7
47.5°	214.0	211.8	204.0	190.6	166.1	139.3	113.7	90.3	69.1	54.6	50.2
50°	183.9	185.0	178.3	165.0	146.0	121.5	98.1	75.8	59.1	49.0	44.6
52.5°	153.8	152.7	148.2	139.3	126.0	104.8	83.6	64.6	51.3	43.5	41.2
55°	123.7	124.8	122.6	117.0	105.9	90.3	70.2	55.7	45.7	39.0	36.8
57.5°	102.5	103.7	99.2	95.9	86.9	73.6	58.0	46.8	39.0	34.6	32.3
60°	84.7	85.8	82.5	78.0	71.3	59.1	46.8	39.0	34.6	31.2	29.0
62.5°	69.1	68.0	65.8	61.3	55.7	46.8	37.9	32.3	29.0	26.8	25.6
65°	53.5	53.5	51.3	47.9	43.5	36.8	30.1	26.8	24.5	22.3	21.2
67.5°	40.1	40.1	37.9	35.7	31.2	26.8	23.4	21.2	20.1	17.8	16.7
70°	27.9	27.9	26.8	25.6	22.3	18.9	17.8	15.6	14.5	13.4	12.3
72.5°	17.8	17.8	17.8	15.6	14.5	12.3	12.3	11.1	10.0	8.9	8.9
75°	8.9	10.0	8.9	8.9	7.8	7.8	6.7	6.7	5.6	5.6	4.5
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3
2.5°	193.9	190.6	188.4	185.0	182.8	180.6	179.5	178.3	178.3	178.3
5°	188.4	182.8	177.2	171.7	168.3	165.0	161.6	160.5	159.4	159.4
7.5°	181.7	172.8	165.0	158.3	152.7	149.4	146.0	143.8	142.7	142.7
10°	172.8	161.6	152.7	143.8	138.2	133.8	131.5	128.2	128.2	127.1
12.5°	162.7	149.4	139.3	131.5	126.0	120.4	117.0	114.8	113.7	113.7
15°	151.6	138.2	127.1	118.2	112.6	107.0	103.7	101.4	100.3	100.3
17.5°	140.4	126.0	114.8	105.9	100.3	94.7	91.4	89.2	89.2	88.1
20°	129.3	114.8	103.7	94.7	89.2	84.7	81.4	79.1	78.0	79.1
22.5°	119.3	104.8	93.6	85.8	79.1	74.7	71.3	70.2	69.1	69.1
25°	108.1	94.7	84.7	76.9	71.3	66.9	63.5	62.4	61.3	60.2
26°	104.8	91.4	81.4	73.6	68.0	63.5	61.3	59.1	58.0	58.0
27.5°	100.3	85.8	76.9	69.1	63.5	60.2	56.8	55.7	54.6	54.6
30°	90.3	78.0	69.1	62.4	58.0	53.5	51.3	50.2	49.0	49.0
32.5°	82.5	70.2	62.4	56.8	52.4	49.0	46.8	44.6	44.6	44.6
35°	74.7	63.5	56.8	51.3	46.8	43.5	42.4	41.2	40.1	40.1
37.5°	68.0	58.0	51.3	46.8	43.5	40.1	37.9	36.8	36.8	36.8
40°	61.3	53.5	46.8	42.4	39.0	36.8	34.6	33.4	33.4	33.4
42.5°	55.7	47.9	43.5	39.0	35.7	33.4	32.3	31.2	30.1	30.1
45°	51.3	44.6	39.0	35.7	33.4	31.2	29.0	27.9	27.9	27.9
47.5°	45.7	41.2	35.7	32.3	30.1	27.9	26.8	25.6	25.6	25.6
50°	42.4	37.9	33.4	30.1	27.9	25.6	24.5	23.4	23.4	23.4
52.5°	37.9	34.6	31.2	27.9	25.6	23.4	22.3	21.2	21.2	21.2
55°	34.6	31.2	27.9	25.6	23.4	21.2	20.1	18.9	18.9	18.9
57.5°	31.2	27.9	25.6	23.4	21.2	20.1	17.8	17.8	16.7	16.7
60°	27.9	24.5	22.3	21.2	18.9	17.8	15.6	14.5	14.5	14.5
62.5°	23.4	22.3	20.1	17.8	15.6	14.5	13.4	12.3	12.3	12.3
65°	20.1	18.9	16.7	14.5	13.4	12.3	11.1	10.0	10.0	10.0
67.5°	16.7	14.5	13.4	12.3	11.1	10.0	8.9	7.8	6.7	7.8
70°	12.3	11.1	10.0	8.9	7.8	6.7	5.6	5.6	4.5	4.5
72.5°	7.8	6.7	6.7	5.6	4.5	4.5	3.3	3.3	2.2	2.2
75°	4.5	4.5	3.3	3.3	2.2	2.2	1.1	1.1	1.1	1.1
77.5°	2.2	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)