

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: P3ART09R70W2N902750DE010 E3CLSWW1MMS_3000K

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: P3ART09R70W2N902750DE010 E3CLSWW1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

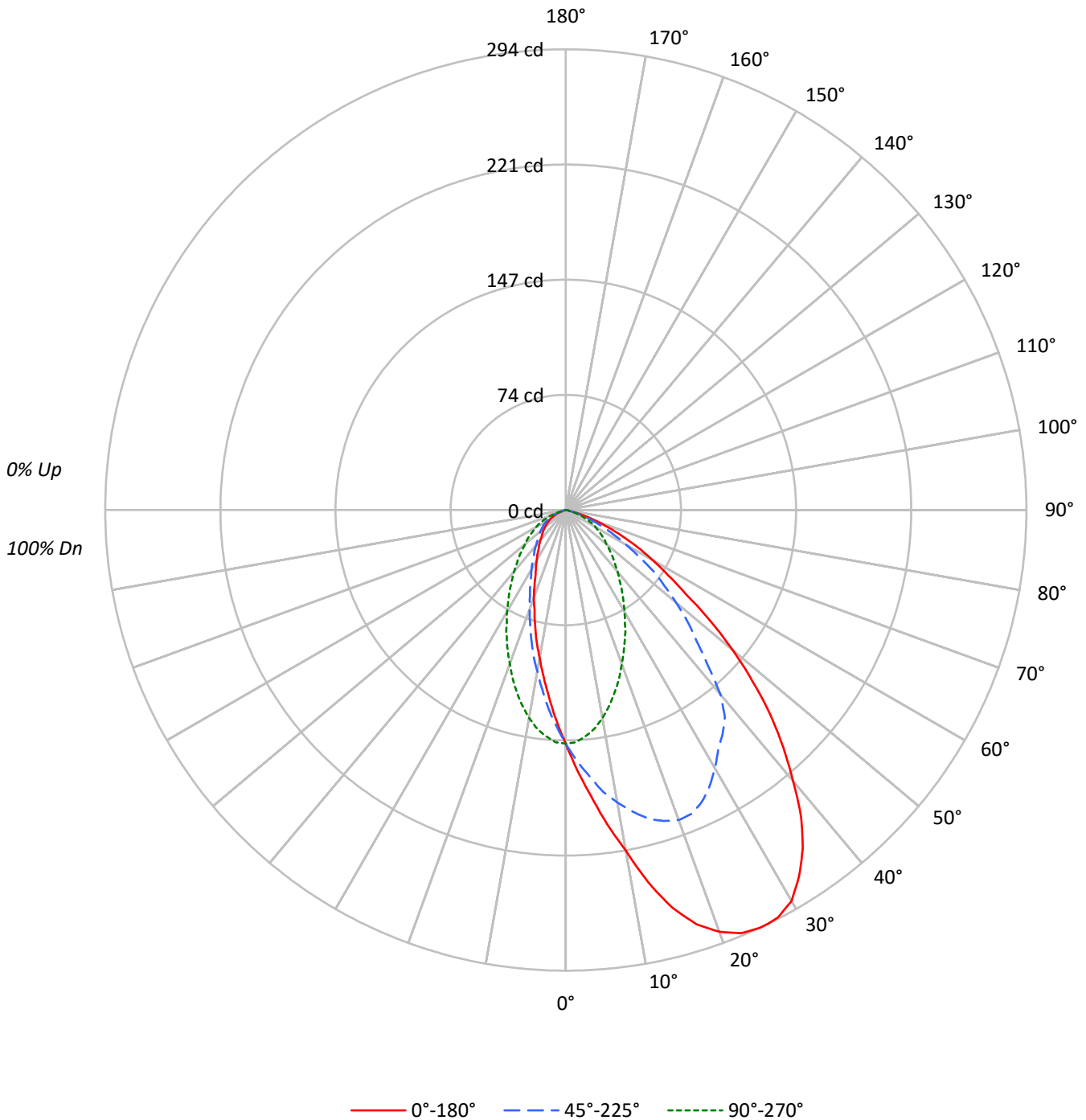
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 297.0 lumens
Efficiency: N/A
Efficacy: 33.0 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): 9
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	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°	32695	32695	32695	32695	32695
5°	40238	37464	31895	27999	26524
10°	49142	42195	30015	23268	21376
15°	59660	46289	27355	19319	17208
20°	66832	49144	24385	15728	13955
25°	71133	49721	21606	13041	11009
30°	72948	48210	18990	11090	9394
35°	70590	46686	16677	9476	8111
40°	64635	43882	14713	8444	7242
45°	57215	36562	13056	7846	6543
50°	47418	31317	11496	7198	6038
55°	35745	26073	10628	6767	5467
60°	28068	19560	9604	6271	4824
65°	20962	14424	8302	5241	3943
70°	13528	9168	5963	3783	2180
75°	5676	4999	2881	1440	678
80°	1010	1010	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 57215 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	4.8
10°-20°	40.7	13.7
20°-30°	59.5	20.0
30°-40°	64.9	21.8
40°-50°	56.1	18.9
50°-60°	37.6	12.7
60°-70°	19.4	6.5
70°-80°	4.6	1.5
80°-90°	0.0	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°	114.4	38.5
0°-40°	179.2	60.3
0°-60°	272.9	91.9
0°-90°	297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	297.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	149	149	149	149	149	
5°	183	170	145	127	120	19
15°	263	204	120	85	76	74
25°	294	206	89	54	46	135
35°	264	174	62	35	30	163
45°	184	118	42	25	21	141
55°	94	68	28	18	14	87
65°	40	28	16	10	8	41
75°	7	6	3	2	1	9
85°	0	0	0	0	0	0
90°	0	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°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	165.9	165.1	165.1	163.4	161.7	160.1	157.5	155.0	152.5	149.9	148.3
5°	182.8	183.6	182.8	179.4	175.2	170.2	165.1	159.2	153.3	148.3	144.9
7.5°	202.2	202.2	199.6	195.4	189.5	181.1	172.7	162.6	153.3	144.9	140.7
10°	220.7	220.7	216.5	209.8	200.5	189.5	177.7	164.3	151.6	139.8	134.8
12.5°	243.4	242.6	237.5	226.6	213.1	197.1	181.1	164.3	149.1	134.8	128.0
15°	262.8	262.0	255.2	241.8	224.1	203.9	182.0	162.6	144.0	128.0	120.5
17.5°	277.1	275.5	267.9	253.6	233.3	208.1	182.8	159.2	138.1	120.5	112.9
20°	286.4	285.6	277.1	260.3	238.4	210.6	182.0	155.0	132.3	112.9	104.5
22.5°	292.3	290.6	282.2	263.7	238.4	209.8	178.6	149.1	124.7	105.3	96.9
25°	294.0	293.1	283.0	262.8	235.9	205.5	173.5	143.2	117.1	97.7	89.3
26°	294.0	293.1	283.0	262.0	234.2	203.0	171.0	140.7	114.6	94.3	86.8
27.5°	293.1	292.3	281.4	259.4	230.8	198.8	165.9	135.6	109.5	90.1	81.7
30°	288.1	286.4	275.5	253.6	223.2	190.4	157.5	128.0	101.9	82.6	75.0
32.5°	277.1	275.5	263.7	243.4	214.8	181.1	148.3	119.6	94.3	75.0	68.2
35°	263.7	262.0	250.2	230.8	203.0	174.4	138.1	110.4	85.9	69.1	62.3
37.5°	246.8	244.3	234.2	214.0	188.7	166.8	129.7	101.1	78.3	62.3	56.4
40°	225.8	224.9	215.6	197.1	171.8	153.3	124.7	101.1	71.6	56.4	51.4
42.5°	205.5	203.9	195.4	179.4	156.7	133.9	109.5	96.9	66.5	50.5	46.3
45°	184.5	182.8	175.2	161.7	140.7	117.9	117.9	83.4	57.3	46.3	42.1
47.5°	161.7	160.1	154.2	144.0	125.5	105.3	85.9	68.2	52.2	41.3	37.9
50°	139.0	139.8	134.8	124.7	110.4	91.8	74.1	57.3	44.6	37.1	33.7
52.5°	116.2	115.4	112.0	105.3	95.2	79.2	63.2	48.9	38.7	32.9	31.2
55°	93.5	94.3	92.7	88.4	80.0	68.2	53.1	42.1	34.5	29.5	27.8
57.5°	77.5	78.3	75.0	72.4	65.7	55.6	43.8	35.4	29.5	26.1	24.4
60°	64.0	64.9	62.3	59.0	53.9	44.6	35.4	29.5	26.1	23.6	21.9
62.5°	52.2	51.4	49.7	46.3	42.1	35.4	28.6	24.4	21.9	20.2	19.4
65°	40.4	40.4	38.7	36.2	32.9	27.8	22.7	20.2	18.5	16.8	16.0
67.5°	30.3	30.3	28.6	27.0	23.6	20.2	17.7	16.0	15.2	13.5	12.6
70°	21.1	21.1	20.2	19.4	16.8	14.3	13.5	11.8	11.0	10.1	9.3
72.5°	13.5	13.5	13.5	11.8	11.0	9.3	9.3	8.4	7.6	6.7	6.7
75°	6.7	7.6	6.7	6.7	5.9	5.9	5.1	5.1	4.2	4.2	3.4
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	146.6	144.0	142.4	139.8	138.1	136.5	135.6	134.8	134.8	134.8
5°	142.4	138.1	133.9	129.7	127.2	124.7	122.1	121.3	120.5	120.5
7.5°	137.3	130.6	124.7	119.6	115.4	112.9	110.4	108.7	107.8	107.8
10°	130.6	122.1	115.4	108.7	104.5	101.1	99.4	96.9	96.9	96.0
12.5°	123.0	112.9	105.3	99.4	95.2	91.0	88.4	86.8	85.9	85.9
15°	114.6	104.5	96.0	89.3	85.1	80.9	78.3	76.7	75.8	75.8
17.5°	106.1	95.2	86.8	80.0	75.8	71.6	69.1	67.4	67.4	66.5
20°	97.7	86.8	78.3	71.6	67.4	64.0	61.5	59.8	59.0	59.8
22.5°	90.1	79.2	70.8	64.9	59.8	56.4	53.9	53.1	52.2	52.2
25°	81.7	71.6	64.0	58.1	53.9	50.5	48.0	47.2	46.3	45.5
26°	79.2	69.1	61.5	55.6	51.4	48.0	46.3	44.6	43.8	43.8
27.5°	75.8	64.9	58.1	52.2	48.0	45.5	43.0	42.1	41.3	41.3
30°	68.2	59.0	52.2	47.2	43.8	40.4	38.7	37.9	37.1	37.1
32.5°	62.3	53.1	47.2	43.0	39.6	37.1	35.4	33.7	33.7	33.7
35°	56.4	48.0	43.0	38.7	35.4	32.9	32.0	31.2	30.3	30.3
37.5°	51.4	43.8	38.7	35.4	32.9	30.3	28.6	27.8	27.8	27.8
40°	46.3	40.4	35.4	32.0	29.5	27.8	26.1	25.3	25.3	25.3
42.5°	42.1	36.2	32.9	29.5	27.0	25.3	24.4	23.6	22.7	22.7
45°	38.7	33.7	29.5	27.0	25.3	23.6	21.9	21.1	21.1	21.1
47.5°	34.5	31.2	27.0	24.4	22.7	21.1	20.2	19.4	19.4	19.4
50°	32.0	28.6	25.3	22.7	21.1	19.4	18.5	17.7	17.7	17.7
52.5°	28.6	26.1	23.6	21.1	19.4	17.7	16.8	16.0	16.0	16.0
55°	26.1	23.6	21.1	19.4	17.7	16.0	15.2	14.3	14.3	14.3
57.5°	23.6	21.1	19.4	17.7	16.0	15.2	13.5	13.5	12.6	12.6
60°	21.1	18.5	16.8	16.0	14.3	13.5	11.8	11.0	11.0	11.0
62.5°	17.7	16.8	15.2	13.5	11.8	11.0	10.1	9.3	9.3	9.3
65°	15.2	14.3	12.6	11.0	10.1	9.3	8.4	7.6	7.6	7.6
67.5°	12.6	11.0	10.1	9.3	8.4	7.6	6.7	5.9	5.1	5.9
70°	9.3	8.4	7.6	6.7	5.9	5.1	4.2	4.2	3.4	3.4
72.5°	5.9	5.1	5.1	4.2	3.4	3.4	2.5	2.5	1.7	1.7
75°	3.4	3.4	2.5	2.5	1.7	1.7	0.8	0.8	0.8	0.8
77.5°	1.7	0.8	0.8	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)