

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: P3ART05R70W2N902765DE010 E3CLSWW1MW_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: P3ART05R70W2N902765DE010 E3CLSWW1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

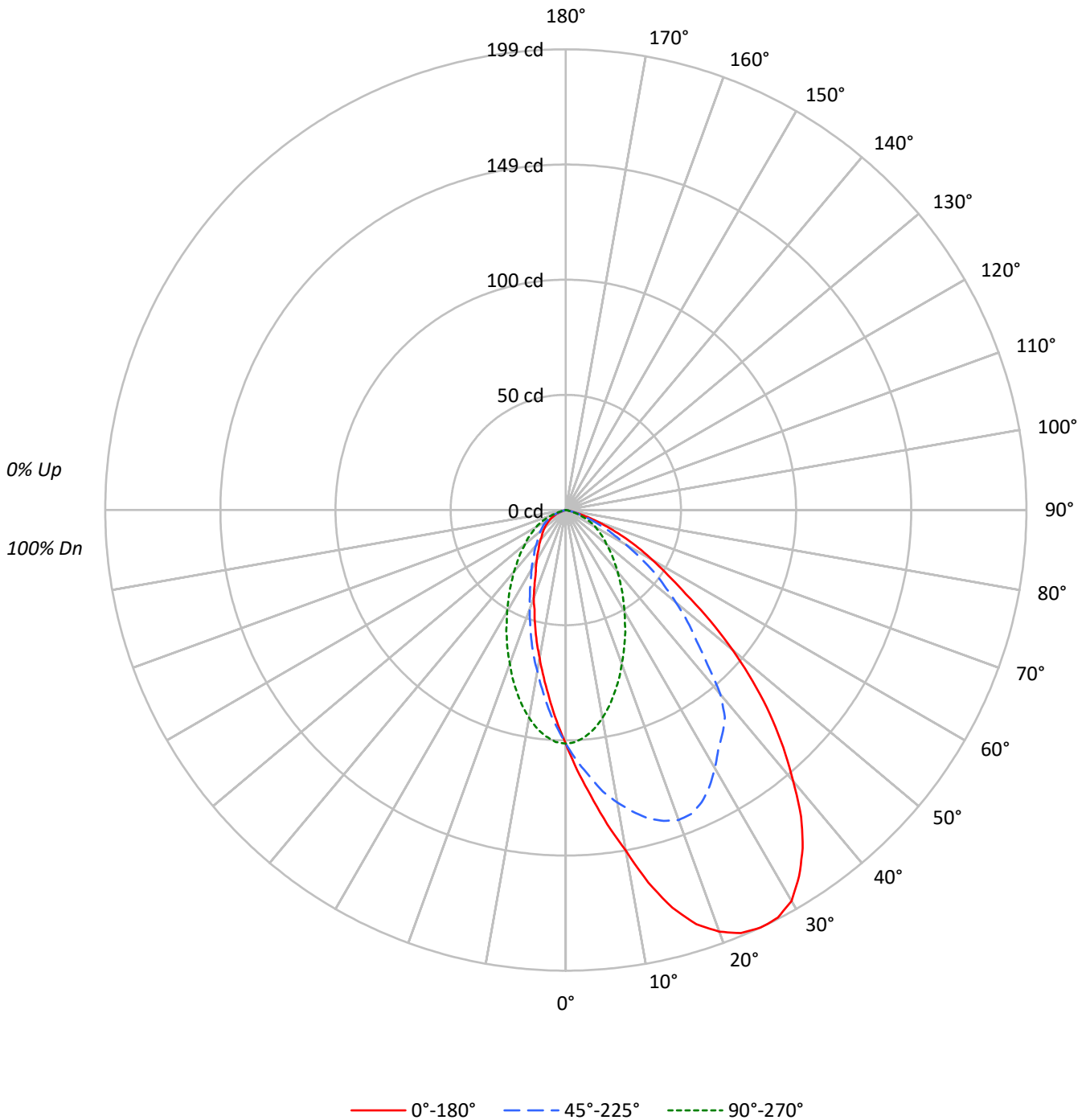
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 201.0 lumens
Efficiency: N/A
Efficacy: 34.1 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): 5.9
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			100	
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89	
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78			78	
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			68	
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60			60	
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53			53	
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			47	
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43			43	
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39			39	
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			35	
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			32	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22125	22125	22125	22125	22125
5°	27229	25358	21594	18952	17940
10°	33266	28568	20307	15742	14473
15°	40386	31328	18502	13076	11646
20°	45224	33253	16498	10641	9451
25°	48148	33655	14614	8831	7452
30°	49375	32613	12837	7495	6355
35°	47756	31588	11297	6398	5488
40°	43739	29713	9962	5725	4895
45°	38702	24747	8838	5303	4435
50°	32101	21185	7778	4878	4094
55°	24200	17662	7187	4588	3708
60°	18990	13245	6491	4254	3245
65°	14217	9755	5604	3528	2646
70°	9168	6219	4039	2565	1475
75°	3897	3389	1949	932	508
80°	758	758	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 38702 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	4.8
10°-20°	27.5	13.7
20°-30°	40.3	20.0
30°-40°	43.9	21.8
40°-50°	38.0	18.9
50°-60°	25.4	12.7
60°-70°	13.1	6.5
70°-80°	3.1	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°	77.4	38.5
0°-40°	121.3	60.3
0°-60°	184.7	91.9
0°-90°	201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	201.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	101	101	101	101	101	
5°	124	115	98	86	82	13
15°	178	138	82	58	51	50
25°	199	139	60	36	31	91
35°	178	118	42	24	20	111
45°	125	80	28	17	14	96
55°	63	46	19	12	10	59
65°	27	19	11	7	5	28
75°	5	4	2	1	1	6
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°	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9
2.5°	112.3	111.7	111.7	110.6	109.5	108.3	106.6	104.9	103.2	101.5	100.3
5°	123.7	124.3	123.7	121.4	118.6	115.2	111.7	107.7	103.8	100.3	98.1
7.5°	136.8	136.8	135.1	132.3	128.3	122.6	116.9	110.0	103.8	98.1	95.2
10°	149.4	149.4	146.5	142.0	135.7	128.3	120.3	111.2	102.6	94.6	91.2
12.5°	164.8	164.2	160.8	153.4	144.2	133.4	122.6	111.2	100.9	91.2	86.7
15°	177.9	177.3	172.7	163.6	151.6	138.0	123.1	110.0	97.5	86.7	81.5
17.5°	187.6	186.4	181.3	171.6	157.9	140.8	123.7	107.7	93.5	81.5	76.4
20°	193.8	193.3	187.6	176.2	161.3	142.5	123.1	104.9	89.5	76.4	70.7
22.5°	197.8	196.7	191.0	178.4	161.3	142.0	120.9	100.9	84.4	71.3	65.6
25°	199.0	198.4	191.5	177.9	159.6	139.1	117.4	96.9	79.2	66.1	60.4
26°	199.0	198.4	191.5	177.3	158.5	137.4	115.7	95.2	77.5	63.8	58.7
27.5°	198.4	197.8	190.4	175.6	156.2	134.5	112.3	91.8	74.1	61.0	55.3
30°	195.0	193.8	186.4	171.6	151.1	128.8	106.6	86.7	69.0	55.9	50.7
32.5°	187.6	186.4	178.4	164.8	145.4	122.6	100.3	81.0	63.8	50.7	46.2
35°	178.4	177.3	169.3	156.2	137.4	118.0	93.5	74.7	58.1	46.7	42.2
37.5°	167.0	165.3	158.5	144.8	127.7	112.9	87.8	68.4	53.0	42.2	38.2
40°	152.8	152.2	145.9	133.4	116.3	103.8	84.4	68.4	48.5	38.2	34.8
42.5°	139.1	138.0	132.3	121.4	106.0	90.6	74.1	65.6	45.0	34.2	31.4
45°	124.8	123.7	118.6	109.5	95.2	79.8	79.8	56.4	38.8	31.4	28.5
47.5°	109.5	108.3	104.3	97.5	84.9	71.3	58.1	46.2	35.3	27.9	25.7
50°	94.1	94.6	91.2	84.4	74.7	62.1	50.2	38.8	30.2	25.1	22.8
52.5°	78.7	78.1	75.8	71.3	64.4	53.6	42.8	33.1	26.2	22.2	21.1
55°	63.3	63.8	62.7	59.9	54.2	46.2	35.9	28.5	23.4	20.0	18.8
57.5°	52.4	53.0	50.7	49.0	44.5	37.6	29.6	23.9	20.0	17.7	16.5
60°	43.3	43.9	42.2	39.9	36.5	30.2	23.9	20.0	17.7	16.0	14.8
62.5°	35.3	34.8	33.6	31.4	28.5	23.9	19.4	16.5	14.8	13.7	13.1
65°	27.4	27.4	26.2	24.5	22.2	18.8	15.4	13.7	12.5	11.4	10.8
67.5°	20.5	20.5	19.4	18.2	16.0	13.7	12.0	10.8	10.3	9.1	8.6
70°	14.3	14.3	13.7	13.1	11.4	9.7	9.1	8.0	7.4	6.8	6.3
72.5°	9.1	9.1	9.1	8.0	7.4	6.3	6.3	5.7	5.1	4.6	4.6
75°	4.6	5.1	4.6	4.6	4.0	4.0	3.4	3.4	2.9	2.9	2.3
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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°	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9
2.5°	99.2	97.5	96.3	94.6	93.5	92.4	91.8	91.2	91.2	91.2
5°	96.3	93.5	90.6	87.8	86.1	84.4	82.7	82.1	81.5	81.5
7.5°	92.9	88.4	84.4	81.0	78.1	76.4	74.7	73.5	73.0	73.0
10°	88.4	82.7	78.1	73.5	70.7	68.4	67.3	65.6	65.6	65.0
12.5°	83.2	76.4	71.3	67.3	64.4	61.6	59.9	58.7	58.1	58.1
15°	77.5	70.7	65.0	60.4	57.6	54.7	53.0	51.9	51.3	51.3
17.5°	71.8	64.4	58.7	54.2	51.3	48.5	46.7	45.6	45.6	45.0
20°	66.1	58.7	53.0	48.5	45.6	43.3	41.6	40.5	39.9	40.5
22.5°	61.0	53.6	47.9	43.9	40.5	38.2	36.5	35.9	35.3	35.3
25°	55.3	48.5	43.3	39.3	36.5	34.2	32.5	31.9	31.4	30.8
26°	53.6	46.7	41.6	37.6	34.8	32.5	31.4	30.2	29.6	29.6
27.5°	51.3	43.9	39.3	35.3	32.5	30.8	29.1	28.5	27.9	27.9
30°	46.2	39.9	35.3	31.9	29.6	27.4	26.2	25.7	25.1	25.1
32.5°	42.2	35.9	31.9	29.1	26.8	25.1	23.9	22.8	22.8	22.8
35°	38.2	32.5	29.1	26.2	23.9	22.2	21.7	21.1	20.5	20.5
37.5°	34.8	29.6	26.2	23.9	22.2	20.5	19.4	18.8	18.8	18.8
40°	31.4	27.4	23.9	21.7	20.0	18.8	17.7	17.1	17.1	17.1
42.5°	28.5	24.5	22.2	20.0	18.2	17.1	16.5	16.0	15.4	15.4
45°	26.2	22.8	20.0	18.2	17.1	16.0	14.8	14.3	14.3	14.3
47.5°	23.4	21.1	18.2	16.5	15.4	14.3	13.7	13.1	13.1	13.1
50°	21.7	19.4	17.1	15.4	14.3	13.1	12.5	12.0	12.0	12.0
52.5°	19.4	17.7	16.0	14.3	13.1	12.0	11.4	10.8	10.8	10.8
55°	17.7	16.0	14.3	13.1	12.0	10.8	10.3	9.7	9.7	9.7
57.5°	16.0	14.3	13.1	12.0	10.8	10.3	9.1	9.1	8.6	8.6
60°	14.3	12.5	11.4	10.8	9.7	9.1	8.0	7.4	7.4	7.4
62.5°	12.0	11.4	10.3	9.1	8.0	7.4	6.8	6.3	6.3	6.3
65°	10.3	9.7	8.6	7.4	6.8	6.3	5.7	5.1	5.1	5.1
67.5°	8.6	7.4	6.8	6.3	5.7	5.1	4.6	4.0	3.4	4.0
70°	6.3	5.7	5.1	4.6	4.0	3.4	2.9	2.9	2.3	2.3
72.5°	4.0	3.4	3.4	2.9	2.3	2.3	1.7	1.7	1.1	1.1
75°	2.3	2.3	1.7	1.7	1.1	1.1	0.6	0.6	0.6	0.6
77.5°	1.1	0.6	0.6	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)