

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: P3ART13R70W2N902765DE010 E3CLDWW1MW_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 (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART13R70W2N902765DE010 E3CLDWW1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

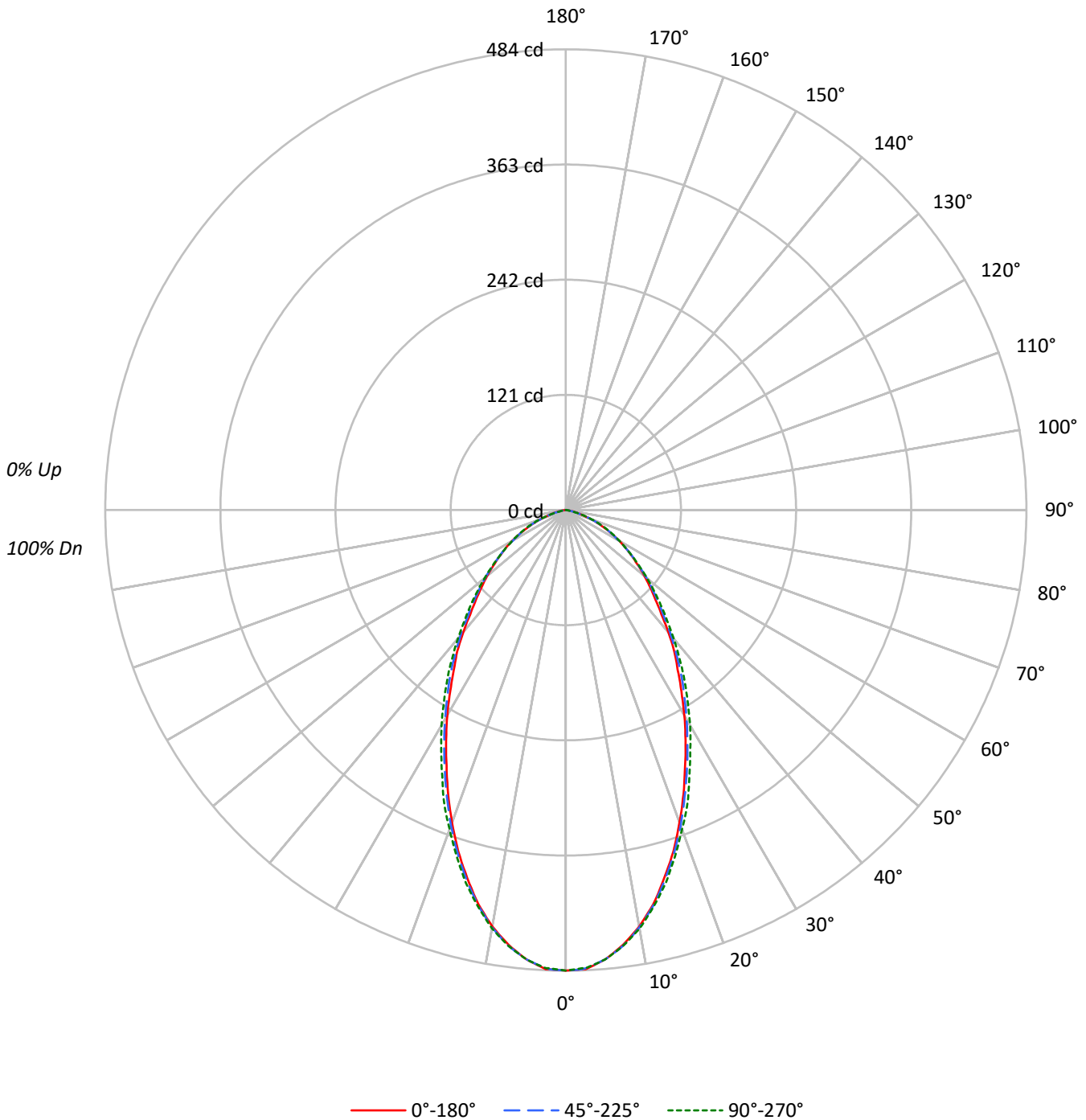
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 674.0 lumens
Efficiency: N/A
Efficacy: 54.8 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	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	106110	106110	106110
5°	104336	104336	104336
10°	98907	99152	99397
15°	90829	91329	92078
20°	81534	82304	83331
25°	71738	72803	74399
30°	63073	64187	66137
35°	54877	56644	58116
40°	47947	49235	50495
45°	41369	42733	43756
50°	36843	37594	37969
55°	32458	32878	32878
60°	28506	28024	28506
65°	23453	24023	24594
70°	18401	18401	19106
75°	12115	11184	11184
80°	6945	5556	4167
85°	2768	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 43756 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	6.6
10°-20°	112.4	16.7
20°-30°	138.6	20.6
30°-40°	132.1	19.6
40°-50°	106.9	15.9
50°-60°	77.0	11.4
60°-70°	46.1	6.8
70°-80°	15.4	2.3
80°-90°	1.3	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°	295.3	43.8
0°-40°	427.4	63.4
0°-60°	611.2	90.7
0°-90°	674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	674.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	484	484	484	484	484	
5°	474	474	474	474	474	44
15°	400	401	402	404	406	112
25°	296	298	301	306	308	136
35°	205	207	212	215	217	129
45°	133	135	138	140	141	104
55°	85	85	86	86	86	76
65°	45	46	46	47	47	45
75°	14	14	13	13	13	16
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°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9
2°	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	481.7
2.5°	482.8	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	482.8	481.7
5°	474.0	474.0	474.0	474.0	474.0	474.0	474.0	474.0	475.1	474.0	474.0
7.5°	460.8	460.8	460.8	460.8	461.9	461.9	461.9	461.9	463.0	463.0	461.9
10°	444.2	444.2	444.2	444.2	445.3	445.3	446.4	445.3	445.3	446.4	446.4
12.5°	424.4	423.3	423.3	423.3	424.4	425.5	425.5	425.5	426.6	426.6	426.6
15°	400.1	400.1	400.1	401.2	401.2	402.3	403.4	403.4	404.5	404.5	405.6
17.5°	375.9	375.9	374.8	375.9	377.0	378.1	379.2	380.3	381.4	381.4	381.4
20°	349.4	348.3	349.4	350.5	351.6	352.7	353.8	356.0	357.1	357.1	357.1
22.5°	323.0	321.9	323.0	324.1	325.2	326.3	329.6	330.7	331.8	331.8	334.0
25°	296.5	296.5	297.6	298.7	299.8	300.9	303.1	305.3	306.4	307.5	307.5
27.5°	272.3	272.3	272.3	272.3	274.5	276.7	278.9	281.1	282.2	283.3	283.3
30°	249.1	248.0	248.0	249.1	251.3	253.5	255.7	257.9	259.0	260.1	261.2
32.5°	226.0	226.0	226.0	227.1	228.2	231.5	233.7	234.8	237.0	238.1	238.1
35°	205.0	205.0	205.0	207.2	209.4	211.6	212.7	214.9	217.1	217.1	217.1
37.5°	187.4	188.5	190.7	189.6	189.6	190.7	191.8	194.0	196.2	196.2	196.2
40°	167.5	168.6	169.8	168.6	169.8	172.0	173.1	174.2	175.3	176.4	176.4
42.5°	148.8	148.8	148.8	149.9	152.1	153.2	155.4	156.5	157.6	157.6	157.6
45°	133.4	133.4	134.5	135.6	136.7	137.8	138.9	140.0	141.1	141.1	141.1
47.5°	120.1	120.1	121.3	121.3	122.4	123.5	124.6	124.6	125.7	126.8	125.7
50°	108.0	108.0	108.0	109.1	109.1	110.2	110.2	111.3	111.3	111.3	111.3
52.5°	95.9	95.9	95.9	95.9	97.0	97.0	97.0	98.1	98.1	98.1	98.1
55°	84.9	84.9	84.9	84.9	84.9	86.0	86.0	86.0	86.0	86.0	86.0
57.5°	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
60°	65.0	65.0	65.0	65.0	65.0	63.9	65.0	65.0	65.0	65.0	65.0
62.5°	55.1	55.1	55.1	55.1	55.1	55.1	55.1	56.2	56.2	56.2	56.2
65°	45.2	46.3	46.3	46.3	46.3	46.3	46.3	47.4	47.4	47.4	47.4
67.5°	36.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	38.6	38.6	38.6
70°	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	29.8
72.5°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	20.9	20.9	20.9
75°	14.3	14.3	14.3	14.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2
77.5°	9.9	9.9	9.9	8.8	8.8	7.7	7.7	7.7	7.7	7.7	6.6
80°	5.5	5.5	5.5	5.5	5.5	4.4	4.4	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	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)