

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 E3CLDWW1MW_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 (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART09R70W2N902750DE010 E3CLDWW1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

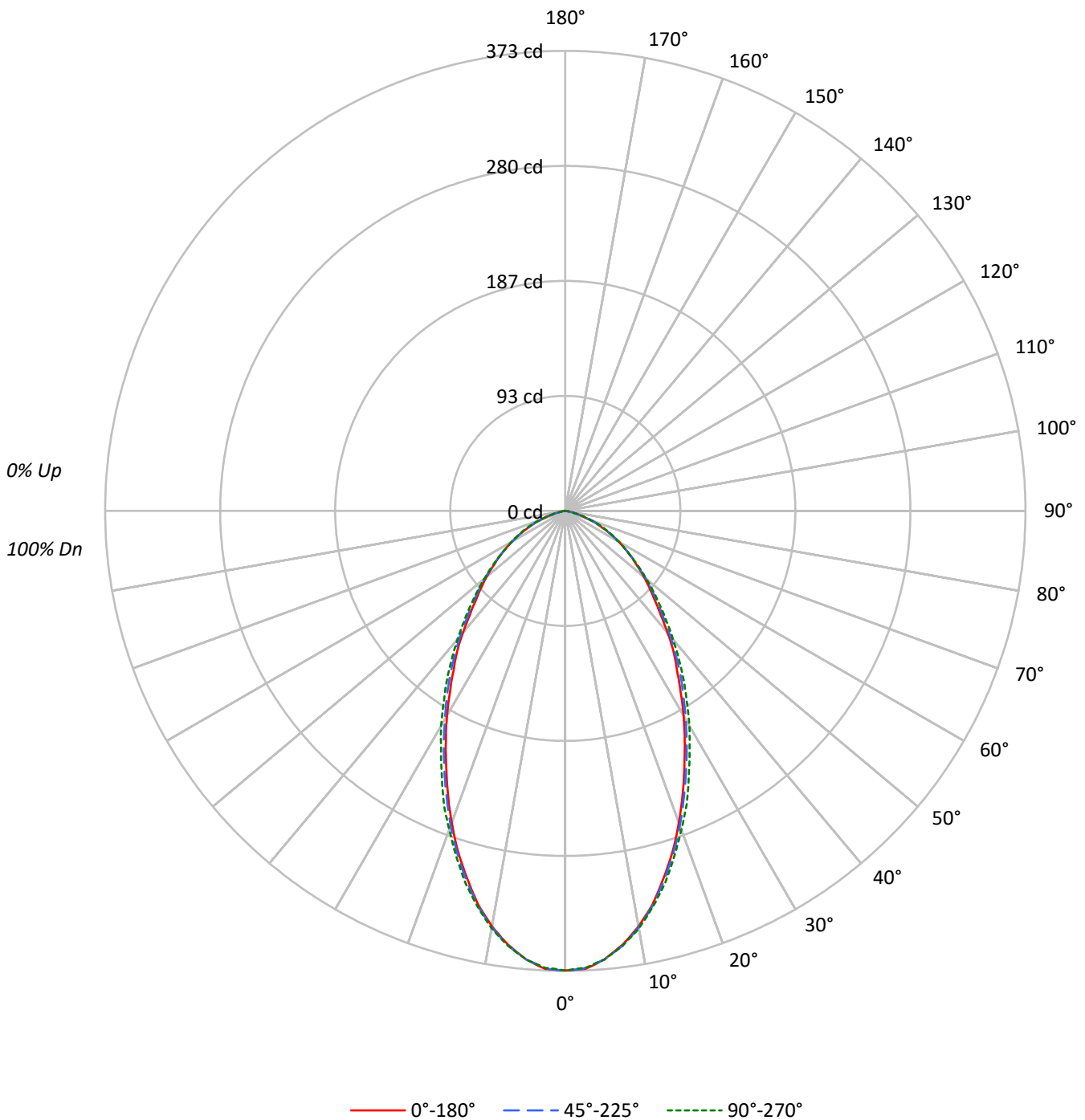
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 519.0 lumens
Efficiency: N/A
Efficacy: 57.7 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): 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
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	76	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°	81704	81704	81704
5°	80343	80343	80343
10°	76173	76351	76552
15°	69944	70330	70920
20°	62795	63379	64172
25°	55237	56060	57294
30°	48564	49425	50945
35°	42269	43634	44758
40°	36926	37900	38873
45°	31848	32903	33678
50°	28383	28963	29236
55°	25003	25309	25309
60°	21972	21577	21972
65°	18056	18471	18938
70°	14169	14169	14682
75°	9320	8642	8642
80°	5304	4293	3157
85°	2013	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 33678 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	6.6
10°-20°	86.5	16.7
20°-30°	106.7	20.6
30°-40°	101.7	19.6
40°-50°	82.3	15.9
50°-60°	59.3	11.4
60°-70°	35.5	6.8
70°-80°	11.9	2.3
80°-90°	1.0	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°	227.4	43.8
0°-40°	329.1	63.4
0°-60°	470.6	90.7
0°-90°	519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	519.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	373	373	373	373	373	
5°	365	365	365	365	365	34
15°	308	309	310	311	312	86
25°	228	230	232	235	237	105
35°	158	159	163	166	167	99
45°	103	104	106	108	109	80
55°	65	65	66	66	66	59
65°	35	36	36	36	36	35
75°	11	11	10	10	10	12
85°	1	1	0	0	0	1
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°	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6	372.6
2°	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	370.9
2.5°	371.8	370.9	370.9	370.9	370.9	370.9	370.9	370.9	370.9	371.8	370.9
5°	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.8	365.0	365.0
7.5°	354.8	354.8	354.8	354.8	355.6	355.6	355.6	355.6	356.5	356.5	355.6
10°	342.1	342.1	342.1	342.1	342.9	342.9	343.8	342.9	342.9	343.8	343.8
12.5°	326.8	325.9	325.9	325.9	326.8	327.6	327.6	327.6	328.5	328.5	328.5
15°	308.1	308.1	308.1	309.0	309.0	309.8	310.7	310.7	311.5	311.5	312.4
17.5°	289.4	289.4	288.6	289.4	290.3	291.1	292.0	292.8	293.7	293.7	293.7
20°	269.1	268.2	269.1	269.9	270.8	271.6	272.5	274.2	275.0	275.0	275.0
22.5°	248.7	247.8	248.7	249.5	250.4	251.2	253.8	254.6	255.5	255.5	257.2
25°	228.3	228.3	229.2	230.0	230.9	231.7	233.4	235.1	236.0	236.8	236.8
27.5°	209.7	209.7	209.7	209.7	211.3	213.0	214.7	216.4	217.3	218.1	218.1
30°	191.8	191.0	191.0	191.8	193.5	195.2	196.9	198.6	199.5	200.3	201.2
32.5°	174.0	174.0	174.0	174.9	175.7	178.2	179.9	180.8	182.5	183.3	183.3
35°	157.9	157.9	157.9	159.6	161.3	163.0	163.8	165.5	167.2	167.2	167.2
37.5°	144.3	145.1	146.8	146.0	146.0	146.8	147.7	149.4	151.1	151.1	151.1
40°	129.0	129.9	130.7	129.9	130.7	132.4	133.3	134.1	135.0	135.8	135.8
42.5°	114.6	114.6	114.6	115.4	117.1	118.0	119.7	120.5	121.4	121.4	121.4
45°	102.7	102.7	103.6	104.4	105.2	106.1	106.9	107.8	108.6	108.6	108.6
47.5°	92.5	92.5	93.4	93.4	94.2	95.1	95.9	95.9	96.8	97.6	96.8
50°	83.2	83.2	83.2	84.0	84.0	84.9	84.9	85.7	85.7	85.7	85.7
52.5°	73.8	73.8	73.8	73.8	74.7	74.7	74.7	75.5	75.5	75.5	75.5
55°	65.4	65.4	65.4	65.4	65.4	66.2	66.2	66.2	66.2	66.2	66.2
57.5°	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
60°	50.1	50.1	50.1	50.1	50.1	49.2	50.1	50.1	50.1	50.1	50.1
62.5°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	43.3	43.3	43.3	43.3
65°	34.8	35.6	35.6	35.6	35.6	35.6	35.6	36.5	36.5	36.5	36.5
67.5°	28.0	28.9	28.9	28.9	28.9	28.9	28.9	28.9	29.7	29.7	29.7
70°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.9
72.5°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	16.1	16.1	16.1
75°	11.0	11.0	11.0	11.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2
77.5°	7.6	7.6	7.6	6.8	6.8	5.9	5.9	5.9	5.9	5.9	5.1
80°	4.2	4.2	4.2	4.2	4.2	3.4	3.4	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	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)