

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: P3ART09R70W2N902765DE010 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: P3ART09R70W2N902765DE010 E3CLDWW1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

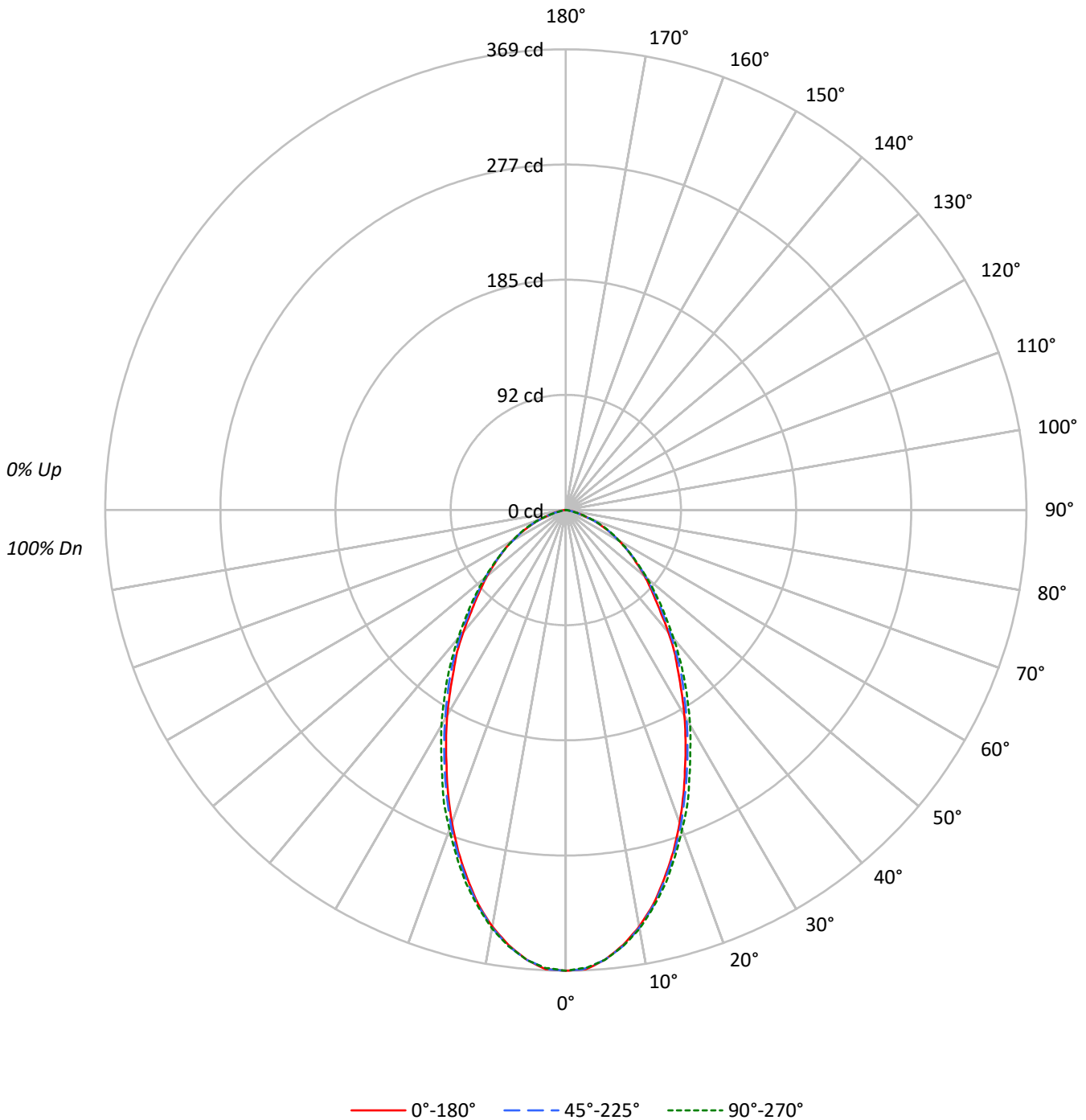
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 514.0 lumens
Efficiency: N/A
Efficacy: 57.1 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	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	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80915	80915	80915
5°	79573	79573	79573
10°	75438	75617	75795
15°	69263	69649	70216
20°	62189	62772	63566
25°	54705	55527	56737
30°	48109	48944	50438
35°	41867	43206	44330
40°	36583	37527	38501
45°	31538	32593	33368
50°	28110	28690	28963
55°	24735	25079	25079
60°	21753	21402	21753
65°	17901	18316	18731
70°	14041	14041	14554
75°	9235	8557	8557
80°	5304	4293	3157
85°	2013	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 33368 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.8	6.6
10°-20°	85.7	16.7
20°-30°	105.7	20.6
30°-40°	100.7	19.6
40°-50°	81.5	15.9
50°-60°	58.7	11.4
60°-70°	35.1	6.8
70°-80°	11.8	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°	225.2	43.8
0°-40°	325.9	63.4
0°-60°	466.1	90.7
0°-90°	514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	369	369	369	369	369	
5°	362	362	362	362	362	34
15°	305	306	307	308	309	85
25°	226	228	230	233	234	104
35°	156	158	161	164	166	98
45°	102	103	105	107	108	79
55°	65	65	66	66	66	58
65°	34	35	35	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°	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0
2°	368.2	368.2	368.2	368.2	368.2	368.2	368.2	368.2	368.2	368.2	367.3
2.5°	368.2	367.3	367.3	367.3	367.3	367.3	367.3	367.3	367.3	368.2	367.3
5°	361.5	361.5	361.5	361.5	361.5	361.5	361.5	361.5	362.3	361.5	361.5
7.5°	351.4	351.4	351.4	351.4	352.2	352.2	352.2	352.2	353.1	353.1	352.2
10°	338.8	338.8	338.8	338.8	339.6	339.6	340.4	339.6	339.6	340.4	340.4
12.5°	323.6	322.8	322.8	322.8	323.6	324.5	324.5	324.5	325.3	325.3	325.3
15°	305.1	305.1	305.1	306.0	306.0	306.8	307.7	307.7	308.5	308.5	309.3
17.5°	286.6	286.6	285.8	286.6	287.5	288.3	289.2	290.0	290.9	290.9	290.9
20°	266.5	265.6	266.5	267.3	268.2	269.0	269.8	271.5	272.4	272.4	272.4
22.5°	246.3	245.5	246.3	247.1	248.0	248.8	251.3	252.2	253.0	253.0	254.7
25°	226.1	226.1	227.0	227.8	228.6	229.5	231.2	232.8	233.7	234.5	234.5
27.5°	207.6	207.6	207.6	207.6	209.3	211.0	212.7	214.4	215.2	216.0	216.0
30°	190.0	189.1	189.1	190.0	191.7	193.3	195.0	196.7	197.5	198.4	199.2
32.5°	172.3	172.3	172.3	173.2	174.0	176.5	178.2	179.1	180.7	181.6	181.6
35°	156.4	156.4	156.4	158.0	159.7	161.4	162.2	163.9	165.6	165.6	165.6
37.5°	142.9	143.7	145.4	144.6	144.6	145.4	146.3	147.9	149.6	149.6	149.6
40°	127.8	128.6	129.5	128.6	129.5	131.1	132.0	132.8	133.7	134.5	134.5
42.5°	113.5	113.5	113.5	114.3	116.0	116.8	118.5	119.4	120.2	120.2	120.2
45°	101.7	101.7	102.6	103.4	104.2	105.1	105.9	106.8	107.6	107.6	107.6
47.5°	91.6	91.6	92.5	92.5	93.3	94.1	95.0	95.0	95.8	96.7	95.8
50°	82.4	82.4	82.4	83.2	83.2	84.1	84.1	84.9	84.9	84.9	84.9
52.5°	73.1	73.1	73.1	73.1	74.0	74.0	74.0	74.8	74.8	74.8	74.8
55°	64.7	64.7	64.7	64.7	64.7	65.6	65.6	65.6	65.6	65.6	65.6
57.5°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
60°	49.6	49.6	49.6	49.6	49.6	48.8	49.6	49.6	49.6	49.6	49.6
62.5°	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.9	42.9	42.9	42.9
65°	34.5	35.3	35.3	35.3	35.3	35.3	35.3	36.1	36.1	36.1	36.1
67.5°	27.7	28.6	28.6	28.6	28.6	28.6	28.6	28.6	29.4	29.4	29.4
70°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	22.7
72.5°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	16.0	16.0	16.0
75°	10.9	10.9	10.9	10.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1
77.5°	7.6	7.6	7.6	6.7	6.7	5.9	5.9	5.9	5.9	5.9	5.0
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)