

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: P3ART05R70W2N902750DE010 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: P3ART05R70W2N902750DE010 E3CLDWW1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

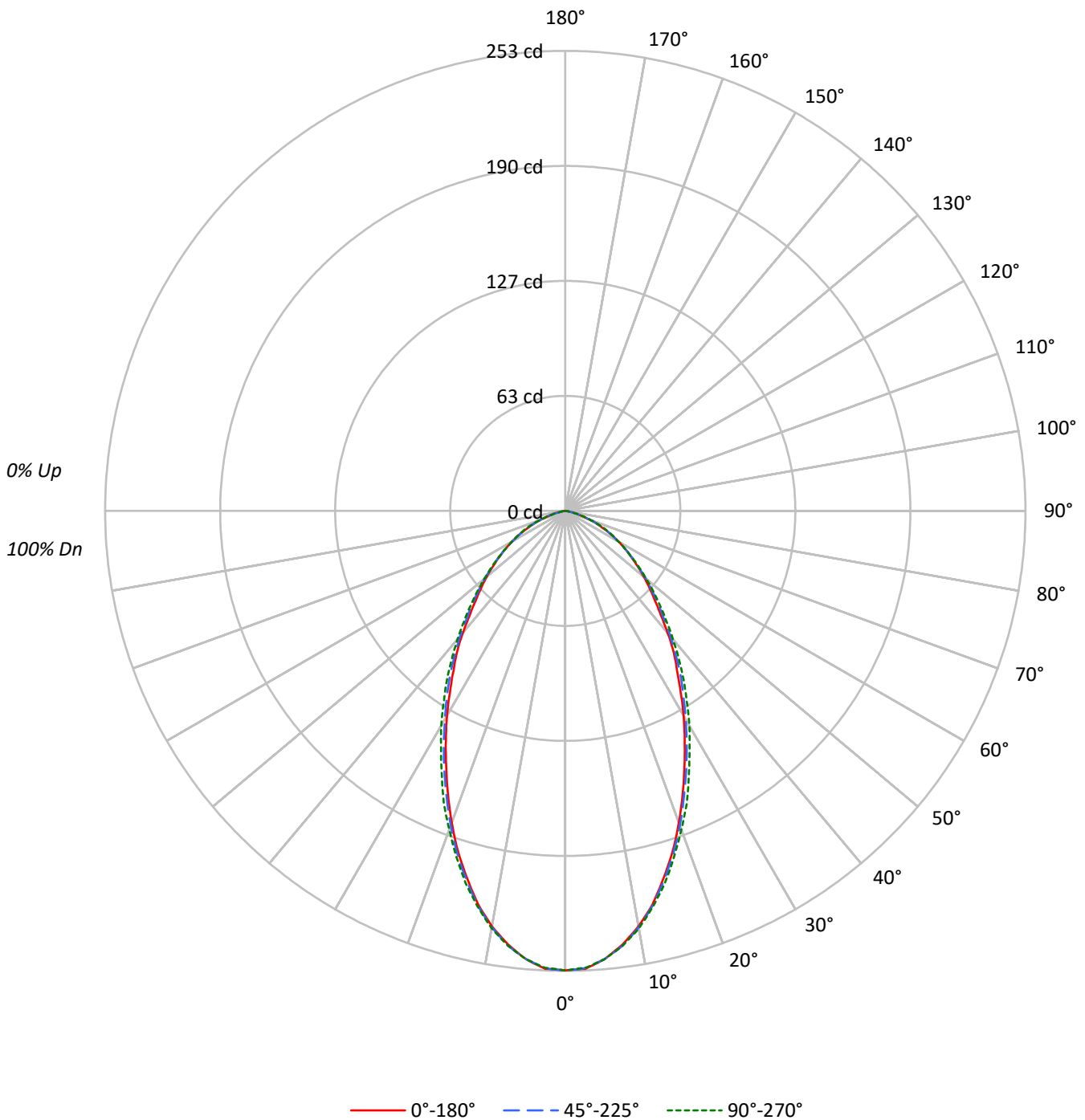
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 352.0 lumens
Efficiency: N/A
Efficacy: 59.7 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): 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				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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	60	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55412	55412	55412
5°	54479	54479	54479
10°	51658	51792	51903
15°	47446	47696	48082
20°	42587	42984	43520
25°	37478	38034	38857
30°	32942	33524	34537
35°	28670	29580	30356
40°	25047	25705	26364
45°	21615	22328	22855
50°	19240	19650	19820
55°	16936	17165	17165
60°	14911	14648	14911
65°	12245	12556	12868
70°	9617	9617	9938
75°	6354	5846	5846
80°	3662	2904	2147
85°	1510	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 22855 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	6.6
10°-20°	58.7	16.7
20°-30°	72.4	20.6
30°-40°	69.0	19.6
40°-50°	55.8	15.9
50°-60°	40.2	11.4
60°-70°	24.1	6.8
70°-80°	8.1	2.3
80°-90°	0.7	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°	154.2	43.8
0°-40°	223.2	63.4
0°-60°	319.2	90.7
0°-90°	352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	352.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	253	253	253	253	253	
5°	248	248	248	248	248	23
15°	209	209	210	211	212	58
25°	155	156	157	160	161	71
35°	107	108	110	113	113	67
45°	70	71	72	73	74	54
55°	44	44	45	45	45	40
65°	24	24	24	25	25	24
75°	8	8	7	7	7	8
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°	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7
2°	252.1	252.1	252.1	252.1	252.1	252.1	252.1	252.1	252.1	252.1	251.6
2.5°	252.1	251.6	251.6	251.6	251.6	251.6	251.6	251.6	251.6	252.1	251.6
5°	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	248.1	247.5	247.5
7.5°	240.6	240.6	240.6	240.6	241.2	241.2	241.2	241.2	241.8	241.8	241.2
10°	232.0	232.0	232.0	232.0	232.6	232.6	233.1	232.6	232.6	233.1	233.1
12.5°	221.6	221.1	221.1	221.1	221.6	222.2	222.2	222.2	222.8	222.8	222.8
15°	209.0	209.0	209.0	209.5	209.5	210.1	210.7	210.7	211.3	211.3	211.8
17.5°	196.3	196.3	195.7	196.3	196.9	197.5	198.0	198.6	199.2	199.2	199.2
20°	182.5	181.9	182.5	183.1	183.6	184.2	184.8	185.9	186.5	186.5	186.5
22.5°	168.7	168.1	168.7	169.2	169.8	170.4	172.1	172.7	173.3	173.3	174.4
25°	154.9	154.9	155.4	156.0	156.6	157.2	158.3	159.5	160.0	160.6	160.6
27.5°	142.2	142.2	142.2	142.2	143.3	144.5	145.6	146.8	147.4	147.9	147.9
30°	130.1	129.5	129.5	130.1	131.3	132.4	133.6	134.7	135.3	135.9	136.4
32.5°	118.0	118.0	118.0	118.6	119.2	120.9	122.0	122.6	123.8	124.3	124.3
35°	107.1	107.1	107.1	108.2	109.4	110.5	111.1	112.3	113.4	113.4	113.4
37.5°	97.9	98.4	99.6	99.0	99.0	99.6	100.2	101.3	102.5	102.5	102.5
40°	87.5	88.1	88.7	88.1	88.7	89.8	90.4	91.0	91.5	92.1	92.1
42.5°	77.7	77.7	77.7	78.3	79.4	80.0	81.2	81.7	82.3	82.3	82.3
45°	69.7	69.7	70.2	70.8	71.4	72.0	72.5	73.1	73.7	73.7	73.7
47.5°	62.7	62.7	63.3	63.3	63.9	64.5	65.1	65.1	65.6	66.2	65.6
50°	56.4	56.4	56.4	57.0	57.0	57.6	57.6	58.1	58.1	58.1	58.1
52.5°	50.1	50.1	50.1	50.1	50.7	50.7	50.7	51.2	51.2	51.2	51.2
55°	44.3	44.3	44.3	44.3	44.3	44.9	44.9	44.9	44.9	44.9	44.9
57.5°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
60°	34.0	34.0	34.0	34.0	34.0	33.4	34.0	34.0	34.0	34.0	34.0
62.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	29.4	29.4	29.4	29.4
65°	23.6	24.2	24.2	24.2	24.2	24.2	24.2	24.8	24.8	24.8	24.8
67.5°	19.0	19.6	19.6	19.6	19.6	19.6	19.6	19.6	20.1	20.1	20.1
70°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.5
72.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.9	10.9	10.9
75°	7.5	7.5	7.5	7.5	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	5.2	5.2	5.2	4.6	4.6	4.0	4.0	4.0	4.0	4.0	3.5
80°	2.9	2.9	2.9	2.9	2.9	2.3	2.3	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	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)