

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: P3ART17R70W2N902750DE010 E3CLDWW1MMS\_3000K

Issue Date: 5/8/2026

**Test Information**

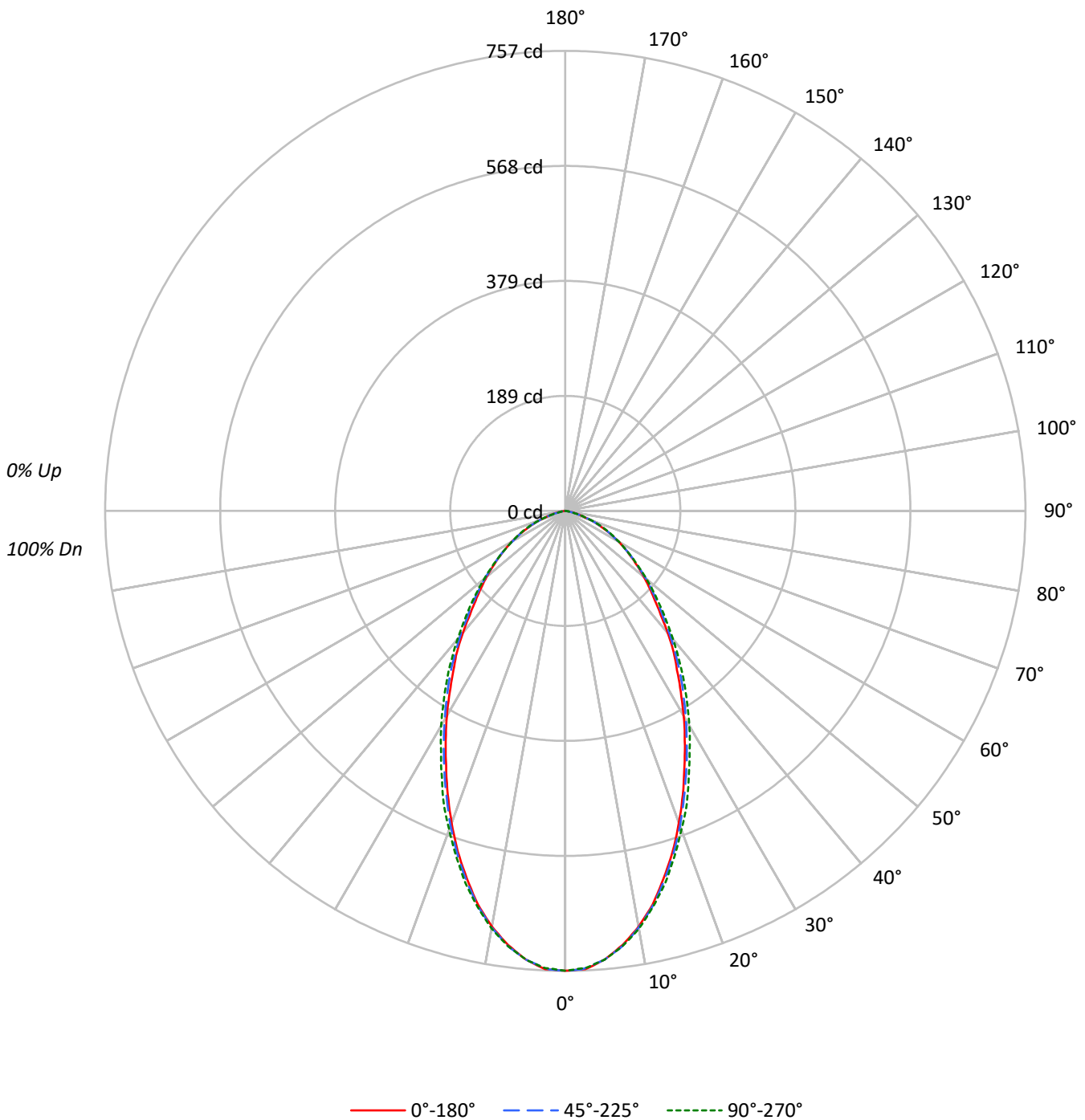
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R70W2N902750DE010 E3CLDWW1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1054.0 lumens  
Efficiency: N/A  
Efficacy: 54.3 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): 19.4  
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°	165930	165930	165930
5°	163152	163152	163152
10°	154684	155063	155441
15°	142044	142839	143996
20°	127504	128718	130328
25°	112192	113861	116353
30°	98648	100395	103434
35°	85822	88606	90908
40°	74998	76973	78948
45°	64689	66829	68410
50°	57619	58813	59393
55°	50732	51420	51420
60°	44602	43856	44602
65°	36684	37566	38448
70°	28723	28723	29813
75°	18978	17538	17538
80°	10860	8713	6566
85°	4277	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 68410 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.3	6.6
10°-20°	175.7	16.7
20°-30°	216.7	20.6
30°-40°	206.5	19.6
40°-50°	167.1	15.9
50°-60°	120.4	11.4
60°-70°	72.1	6.8
70°-80°	24.1	2.3
80°-90°	2.0	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°	461.8	43.8
0°-40°	668.3	63.4
0°-60°	955.8	90.7
0°-90°	1054.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1054.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	741	741	741	742	741	69
15°	626	627	629	631	634	175
25°	464	467	471	478	481	213
35°	321	323	331	337	340	202
45°	209	212	216	219	221	163
55°	133	133	134	134	134	119
65°	71	72	72	74	74	71
75°	22	22	21	21	21	25
85°	2	2	0	0	0	3
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°	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7
2°	755.0	755.0	755.0	755.0	755.0	755.0	755.0	755.0	755.0	755.0	753.3
2.5°	755.0	753.3	753.3	753.3	753.3	753.3	753.3	753.3	753.3	755.0	753.3
5°	741.2	741.2	741.2	741.2	741.2	741.2	741.2	741.2	742.9	741.2	741.2
7.5°	720.5	720.5	720.5	720.5	722.2	722.2	722.2	722.2	724.0	724.0	722.2
10°	694.7	694.7	694.7	694.7	696.4	696.4	698.1	696.4	696.4	698.1	698.1
12.5°	663.6	661.9	661.9	661.9	663.6	665.4	665.4	665.4	667.1	667.1	667.1
15°	625.7	625.7	625.7	627.4	627.4	629.2	630.9	630.9	632.6	632.6	634.3
17.5°	587.8	587.8	586.1	587.8	589.5	591.2	593.0	594.7	596.4	596.4	596.4
20°	546.4	544.7	546.4	548.2	549.9	551.6	553.3	556.8	558.5	558.5	558.5
22.5°	505.1	503.3	505.1	506.8	508.5	510.2	515.4	517.1	518.8	518.8	522.3
25°	463.7	463.7	465.4	467.1	468.9	470.6	474.0	477.5	479.2	480.9	480.9
27.5°	425.8	425.8	425.8	425.8	429.2	432.7	436.1	439.6	441.3	443.0	443.0
30°	389.6	387.8	387.8	389.6	393.0	396.5	399.9	403.4	405.1	406.8	408.5
32.5°	353.4	353.4	353.4	355.1	356.8	362.0	365.4	367.2	370.6	372.3	372.3
35°	320.6	320.6	320.6	324.1	327.5	331.0	332.7	336.1	339.6	339.6	339.6
37.5°	293.0	294.8	298.2	296.5	296.5	298.2	299.9	303.4	306.8	306.8	306.8
40°	262.0	263.7	265.5	263.7	265.5	268.9	270.6	272.4	274.1	275.8	275.8
42.5°	232.7	232.7	232.7	234.4	237.9	239.6	243.0	244.8	246.5	246.5	246.5
45°	208.6	208.6	210.3	212.0	213.7	215.5	217.2	218.9	220.6	220.6	220.6
47.5°	187.9	187.9	189.6	189.6	191.3	193.1	194.8	194.8	196.5	198.2	196.5
50°	168.9	168.9	168.9	170.7	170.7	172.4	172.4	174.1	174.1	174.1	174.1
52.5°	150.0	150.0	150.0	150.0	151.7	151.7	151.7	153.4	153.4	153.4	153.4
55°	132.7	132.7	132.7	132.7	132.7	134.5	134.5	134.5	134.5	134.5	134.5
57.5°	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
60°	101.7	101.7	101.7	101.7	101.7	100.0	101.7	101.7	101.7	101.7	101.7
62.5°	86.2	86.2	86.2	86.2	86.2	86.2	86.2	87.9	87.9	87.9	87.9
65°	70.7	72.4	72.4	72.4	72.4	72.4	72.4	74.1	74.1	74.1	74.1
67.5°	56.9	58.6	58.6	58.6	58.6	58.6	58.6	58.6	60.3	60.3	60.3
70°	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	46.5
72.5°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	32.8	32.8	32.8
75°	22.4	22.4	22.4	22.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7
77.5°	15.5	15.5	15.5	13.8	13.8	12.1	12.1	12.1	12.1	12.1	10.3
80°	8.6	8.6	8.6	8.6	8.6	6.9	6.9	5.2	5.2	5.2	5.2
82.5°	5.2	5.2	5.2	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	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)