

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\_2700K

Issue Date: 5/8/2026

**Test Information**

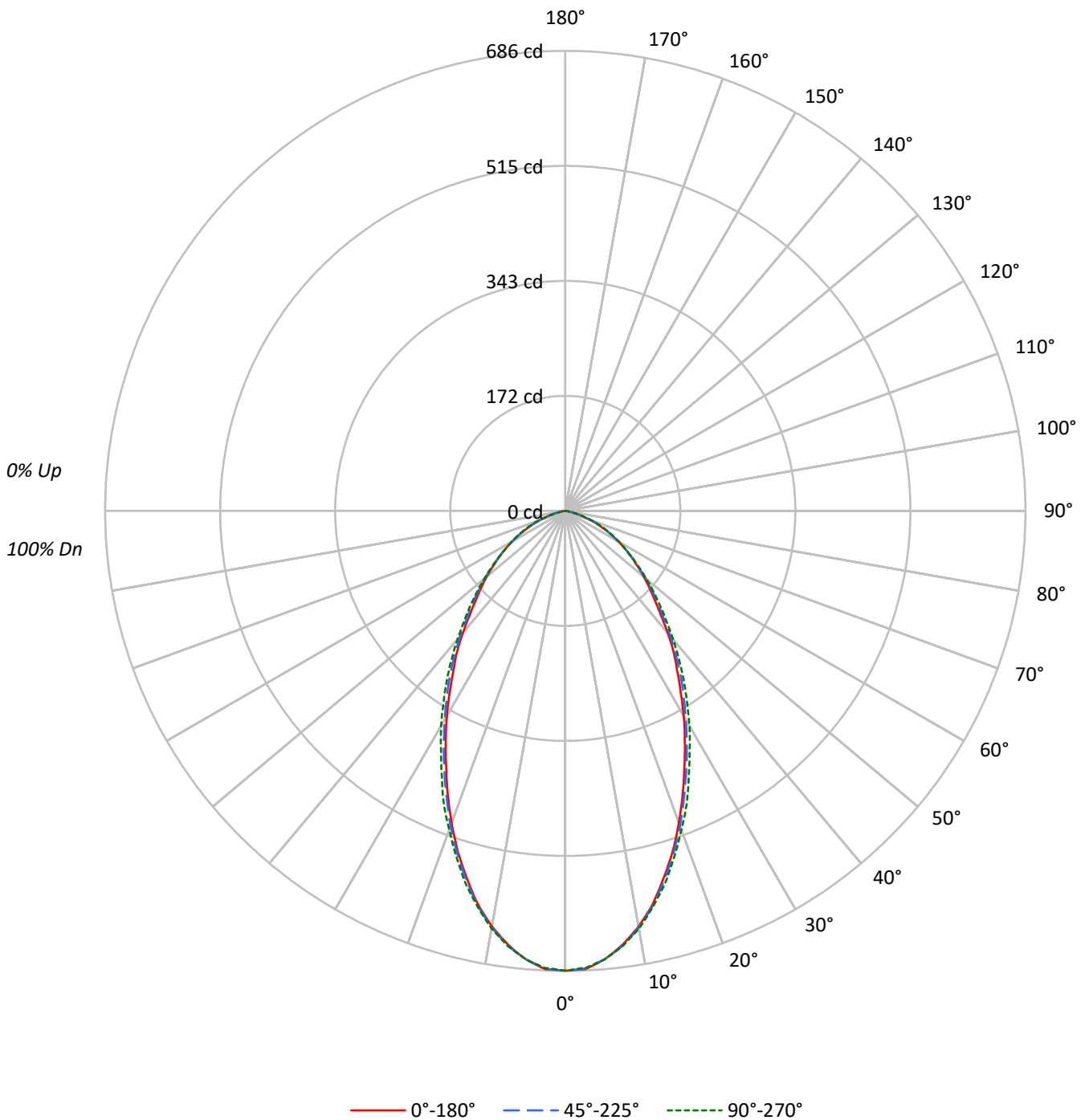
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R70W2N902750DE010 E3CLDWW1MMS\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,  
E3CLDWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 955.0 lumens  
Efficiency: N/A  
Efficacy: 49.2 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°	150339	150339	150339
5°	147831	147831	147831
10°	140144	140501	140835
15°	128695	129422	130489
20°	115533	116630	118077
25°	101643	103167	105442
30°	89381	90951	93736
35°	77765	80281	82369
40°	67956	69731	71534
45°	58611	60533	61991
50°	52229	53286	53798
55°	45991	46565	46565
60°	40392	39734	40392
65°	33207	34037	34868
70°	26030	26030	27056
75°	17199	15843	15843
80°	9850	7829	5935
85°	4026	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 61991 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.8	6.6
10°-20°	159.2	16.7
20°-30°	196.4	20.6
30°-40°	187.1	19.6
40°-50°	151.4	15.9
50°-60°	109.0	11.4
60°-70°	65.3	6.8
70°-80°	21.9	2.3
80°-90°	1.9	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°	418.4	43.8
0°-40°	605.5	63.4
0°-60°	866.0	90.7
0°-90°	955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	955.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	686	686	686	686	686	
5°	672	672	672	672	672	63
15°	567	568	570	572	575	158
25°	420	423	426	433	436	193
35°	290	293	300	305	308	183
45°	189	192	195	199	200	147
55°	120	120	122	122	122	108
65°	64	66	66	67	67	64
75°	20	20	19	19	19	23
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°	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6
2°	684.1	684.1	684.1	684.1	684.1	684.1	684.1	684.1	684.1	684.1	682.5
2.5°	684.1	682.5	682.5	682.5	682.5	682.5	682.5	682.5	682.5	684.1	682.5
5°	671.6	671.6	671.6	671.6	671.6	671.6	671.6	671.6	673.2	671.6	671.6
7.5°	652.8	652.8	652.8	652.8	654.4	654.4	654.4	654.4	656.0	656.0	654.4
10°	629.4	629.4	629.4	629.4	631.0	631.0	632.5	631.0	631.0	632.5	632.5
12.5°	601.3	599.7	599.7	599.7	601.3	602.9	602.9	602.9	604.4	604.4	604.4
15°	566.9	566.9	566.9	568.5	568.5	570.1	571.6	571.6	573.2	573.2	574.8
17.5°	532.6	532.6	531.0	532.6	534.1	535.7	537.3	538.8	540.4	540.4	540.4
20°	495.1	493.5	495.1	496.7	498.2	499.8	501.3	504.5	506.0	506.0	506.0
22.5°	457.6	456.1	457.6	459.2	460.7	462.3	467.0	468.6	470.1	470.1	473.2
25°	420.1	420.1	421.7	423.3	424.8	426.4	429.5	432.6	434.2	435.8	435.8
27.5°	385.8	385.8	385.8	385.8	388.9	392.0	395.1	398.3	399.8	401.4	401.4
30°	353.0	351.4	351.4	353.0	356.1	359.2	362.3	365.5	367.0	368.6	370.2
32.5°	320.2	320.2	320.2	321.7	323.3	328.0	331.1	332.7	335.8	337.4	337.4
35°	290.5	290.5	290.5	293.6	296.7	299.9	301.4	304.6	307.7	307.7	307.7
37.5°	265.5	267.1	270.2	268.6	268.6	270.2	271.8	274.9	278.0	278.0	278.0
40°	237.4	239.0	240.5	239.0	240.5	243.6	245.2	246.8	248.3	249.9	249.9
42.5°	210.8	210.8	210.8	212.4	215.5	217.1	220.2	221.8	223.3	223.3	223.3
45°	189.0	189.0	190.5	192.1	193.7	195.2	196.8	198.4	199.9	199.9	199.9
47.5°	170.2	170.2	171.8	171.8	173.4	174.9	176.5	176.5	178.0	179.6	178.0
50°	153.1	153.1	153.1	154.6	154.6	156.2	156.2	157.7	157.7	157.7	157.7
52.5°	135.9	135.9	135.9	135.9	137.4	137.4	137.4	139.0	139.0	139.0	139.0
55°	120.3	120.3	120.3	120.3	120.3	121.8	121.8	121.8	121.8	121.8	121.8
57.5°	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2
60°	92.1	92.1	92.1	92.1	92.1	90.6	92.1	92.1	92.1	92.1	92.1
62.5°	78.1	78.1	78.1	78.1	78.1	78.1	78.1	79.7	79.7	79.7	79.7
65°	64.0	65.6	65.6	65.6	65.6	65.6	65.6	67.2	67.2	67.2	67.2
67.5°	51.5	53.1	53.1	53.1	53.1	53.1	53.1	53.1	54.7	54.7	54.7
70°	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	42.2
72.5°	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	29.7	29.7	29.7
75°	20.3	20.3	20.3	20.3	18.7	18.7	18.7	18.7	18.7	18.7	18.7
77.5°	14.1	14.1	14.1	12.5	12.5	10.9	10.9	10.9	10.9	10.9	9.4
80°	7.8	7.8	7.8	7.8	7.8	6.2	6.2	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	3.1	3.1	3.1	3.1	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6	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)