

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 E3LCWW1B\_2700K

Issue Date: 5/8/2026

**Test Information**

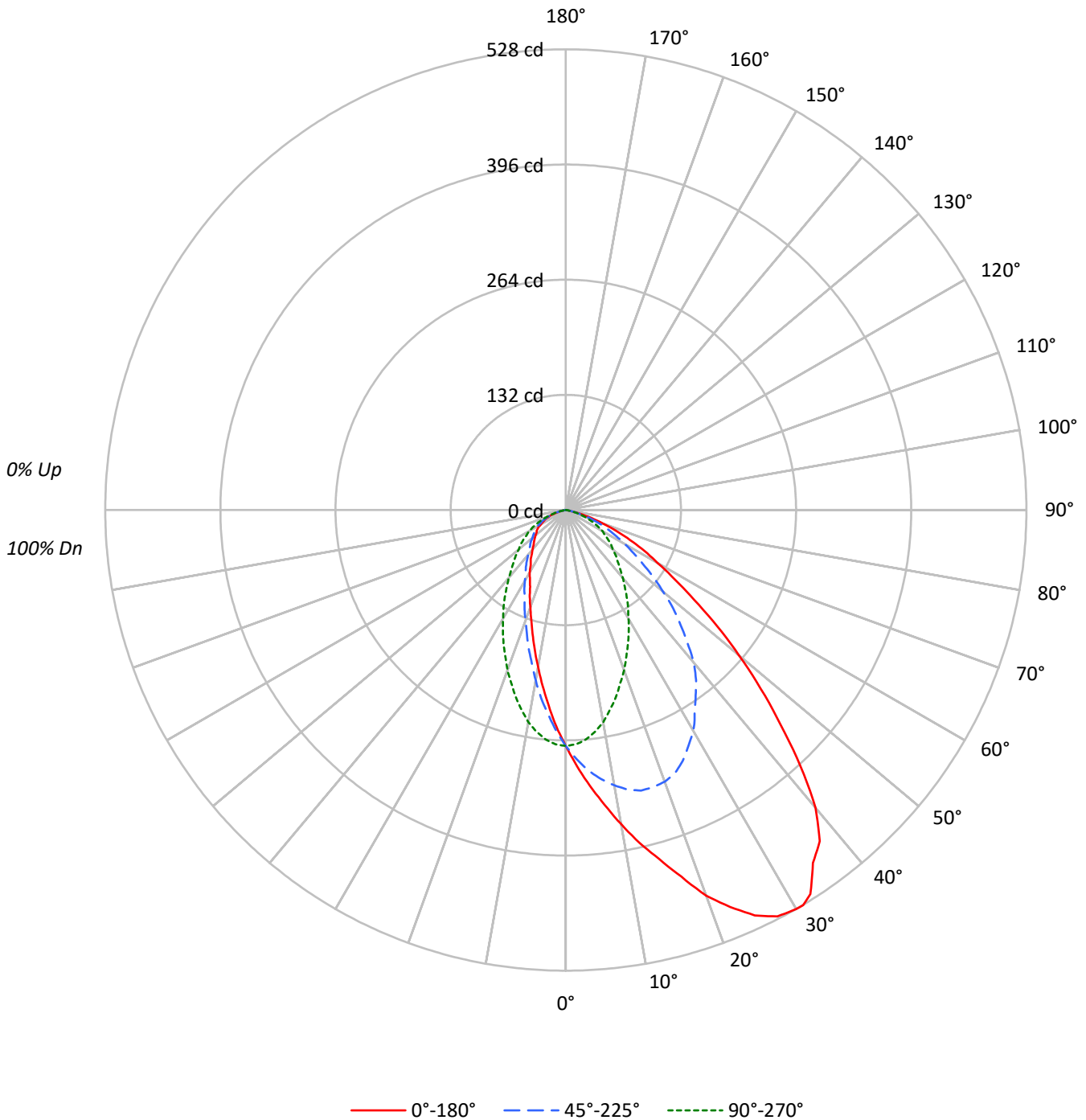
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R70W2N902750DE010 E3LCWW1B\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,  
E3LCWW1B TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 550.0 lumens  
Efficiency: N/A  
Efficacy: 28.4 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18  
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31	31

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	59272	59272	59272	59272	59272
5°	69822	66035	58133	51596	49527
10°	81428	71341	54976	44199	40703
15°	94007	75574	50375	37253	33349
20°	109770	77310	45574	31363	27722
25°	124023	76746	40841	26856	23445
30°	133742	73986	36411	23750	20965
35°	132186	69439	32632	21335	18819
40°	127496	65322	29083	19236	17003
45°	108073	57680	26173	17924	16002
50°	88492	49568	23982	17057	15454
55°	68700	41212	22709	16745	15522
60°	53461	34252	21226	16446	14385
65°	42184	28382	18627	15410	13802
70°	29043	21029	15003	13015	12053
75°	14572	11946	10590	9235	7964
80°	2020	3915	5935	3915	2020
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 108073 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.3	4.6
10°-20°	70.4	12.8
20°-30°	103.8	18.9
30°-40°	116.4	21.2
40°-50°	102.3	18.6
50°-60°	73.2	13.3
60°-70°	43.4	7.9
70°-80°	14.5	2.6
80°-90°	0.7	0.1
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°	199.5	36.3
0°-40°	315.9	57.4
0°-60°	491.4	89.3
0°-90°	550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	550.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	270	270	270	270	270	
5°	317	300	264	234	225	32
15°	414	333	222	164	147	119
25°	513	317	169	111	97	236
35°	494	259	122	80	70	310
45°	348	186	84	58	52	270
55°	180	108	59	44	41	164
65°	81	55	36	30	27	81
75°	17	14	12	11	9	21
85°	0	0	0	0	0	0
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°	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3
2.5°	293.8	293.8	293.8	290.7	290.7	286.0	282.8	278.2	275.0	270.3	268.8
5°	317.2	317.2	314.1	311.0	306.3	300.0	292.2	284.4	275.0	267.2	264.1
7.5°	340.7	342.2	337.5	331.3	321.9	311.0	300.0	287.5	273.5	262.5	256.3
10°	365.7	365.7	359.4	350.0	336.0	320.4	303.2	286.0	268.8	253.2	246.9
12.5°	390.7	389.1	381.3	367.2	350.0	328.2	304.7	282.8	262.5	243.8	234.4
15°	414.1	414.1	403.2	386.0	361.0	332.9	304.7	276.6	253.2	231.3	221.9
17.5°	440.7	440.7	426.6	400.1	368.8	332.9	300.0	268.8	242.2	218.8	207.8
20°	470.4	468.8	448.5	412.6	371.9	331.3	293.8	259.4	229.7	204.7	195.3
22.5°	492.3	490.7	467.2	423.5	373.5	326.6	282.8	246.9	217.2	192.2	181.3
25°	512.6	509.4	482.9	428.2	370.4	317.2	271.9	232.8	204.7	179.7	168.8
27.5°	525.1	523.5	493.8	426.6	362.5	304.7	257.8	220.3	190.7	165.6	156.3
30°	528.2	529.8	493.8	418.8	350.0	292.2	243.8	206.3	176.6	154.7	143.8
31°	528.2	529.8	490.7	414.1	345.4	286.0	237.5	201.6	170.3	148.5	139.1
32.5°	521.9	518.8	486.0	406.3	334.4	275.0	229.7	193.8	162.5	140.6	132.8
35°	493.8	495.4	470.4	389.1	318.8	259.4	214.1	178.1	148.5	129.7	121.9
37.5°	478.2	478.2	432.9	365.7	301.6	245.3	195.3	161.0	136.0	118.8	111.0
40°	445.4	440.7	398.5	340.7	281.3	228.2	184.4	150.0	125.0	107.8	101.6
42.5°	398.5	393.8	361.0	318.8	254.7	206.3	175.0	132.8	112.5	98.5	92.2
45°	348.5	345.4	320.4	281.3	229.7	186.0	151.6	121.9	103.1	89.1	84.4
47.5°	303.2	298.5	279.7	250.0	207.8	167.2	131.3	109.4	92.2	81.3	78.1
50°	259.4	257.8	242.2	218.8	184.4	145.3	115.6	96.9	84.4	75.0	70.3
52.5°	218.8	215.7	207.8	189.1	161.0	126.6	101.6	85.9	75.0	68.8	65.6
55°	179.7	179.7	171.9	159.4	137.5	107.8	89.1	76.6	67.2	62.5	59.4
57.5°	148.5	148.5	142.2	134.4	114.1	92.2	78.1	67.2	60.9	56.3	53.1
60°	121.9	121.9	117.2	109.4	95.3	78.1	67.2	59.4	54.7	50.0	48.4
62.5°	101.6	100.0	96.9	89.1	78.1	65.6	57.8	51.6	46.9	43.8	42.2
65°	81.3	79.7	76.6	70.3	62.5	54.7	48.4	43.8	40.6	37.5	35.9
67.5°	62.5	62.5	59.4	54.7	48.4	43.8	39.1	35.9	32.8	31.3	29.7
70°	45.3	45.3	43.8	40.6	35.9	32.8	29.7	28.1	26.6	25.0	23.4
72.5°	31.3	31.3	29.7	28.1	25.0	23.4	20.3	20.3	18.8	18.8	17.2
75°	17.2	17.2	17.2	15.6	15.6	14.1	14.1	14.1	12.5	12.5	12.5
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1	4.7	4.7	4.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3
2.5°	267.2	262.5	259.4	257.8	253.2	251.6	250.0	248.5	248.5	248.5
5°	261.0	253.2	245.3	240.7	234.4	231.3	228.2	226.6	225.0	225.0
7.5°	250.0	240.7	231.3	223.5	217.2	211.0	207.8	204.7	204.7	203.2
10°	239.1	226.6	215.7	204.7	198.5	190.7	187.5	184.4	182.8	182.8
12.5°	226.6	211.0	198.5	189.1	179.7	173.5	168.8	165.6	164.1	164.1
15°	212.5	196.9	182.8	173.5	164.1	156.3	151.6	148.5	146.9	146.9
17.5°	198.5	182.8	167.2	157.8	148.5	140.6	137.5	134.4	132.8	131.3
20°	186.0	167.2	154.7	142.2	134.4	128.1	123.5	120.3	118.8	118.8
22.5°	171.9	154.7	140.6	131.3	123.5	117.2	111.0	109.4	107.8	107.8
25°	157.8	142.2	129.7	120.3	111.0	106.3	101.6	98.5	98.5	96.9
27.5°	146.9	131.3	118.8	109.4	103.1	96.9	93.8	90.6	89.1	89.1
30°	134.4	120.3	109.4	101.6	93.8	89.1	85.9	82.8	82.8	82.8
31°	131.3	117.2	106.3	96.9	90.6	85.9	82.8	81.3	79.7	79.7
32.5°	123.5	111.0	100.0	92.2	85.9	81.3	78.1	76.6	76.6	75.0
35°	114.1	101.6	92.2	84.4	79.7	75.0	71.9	70.3	70.3	70.3
37.5°	104.7	93.8	84.4	78.1	73.4	68.8	67.2	64.1	64.1	64.1
40°	95.3	85.9	78.1	71.9	67.2	64.1	62.5	60.9	59.4	59.4
42.5°	87.5	78.1	71.9	67.2	62.5	59.4	57.8	56.3	56.3	54.7
45°	79.7	71.9	67.2	62.5	57.8	56.3	54.7	53.1	51.6	51.6
47.5°	73.4	67.2	60.9	57.8	54.7	51.6	50.0	50.0	48.4	48.4
50°	67.2	60.9	56.3	53.1	50.0	48.4	46.9	46.9	45.3	45.3
52.5°	62.5	56.3	53.1	50.0	46.9	45.3	43.8	43.8	42.2	42.2
55°	56.3	51.6	48.4	46.9	43.8	42.2	40.6	39.1	39.1	40.6
57.5°	51.6	48.4	45.3	43.8	40.6	39.1	37.5	37.5	35.9	37.5
60°	46.9	43.8	40.6	39.1	37.5	35.9	34.4	32.8	32.8	32.8
62.5°	42.2	39.1	37.5	34.4	32.8	32.8	31.3	31.3	31.3	29.7
65°	35.9	34.4	32.8	31.3	29.7	28.1	28.1	26.6	26.6	26.6
67.5°	29.7	28.1	26.6	26.6	25.0	23.4	23.4	23.4	23.4	21.9
70°	23.4	21.9	21.9	20.3	20.3	20.3	18.8	18.8	18.8	18.8
72.5°	17.2	17.2	15.6	15.6	15.6	15.6	14.1	14.1	14.1	14.1
75°	12.5	12.5	12.5	10.9	10.9	10.9	9.4	9.4	9.4	9.4
77.5°	7.8	7.8	7.8	7.8	7.8	6.3	6.3	6.3	6.3	6.3
80°	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1	3.1	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)