

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 E3LCWW1WH\_3000K

Issue Date: 5/8/2026

**Test Information**

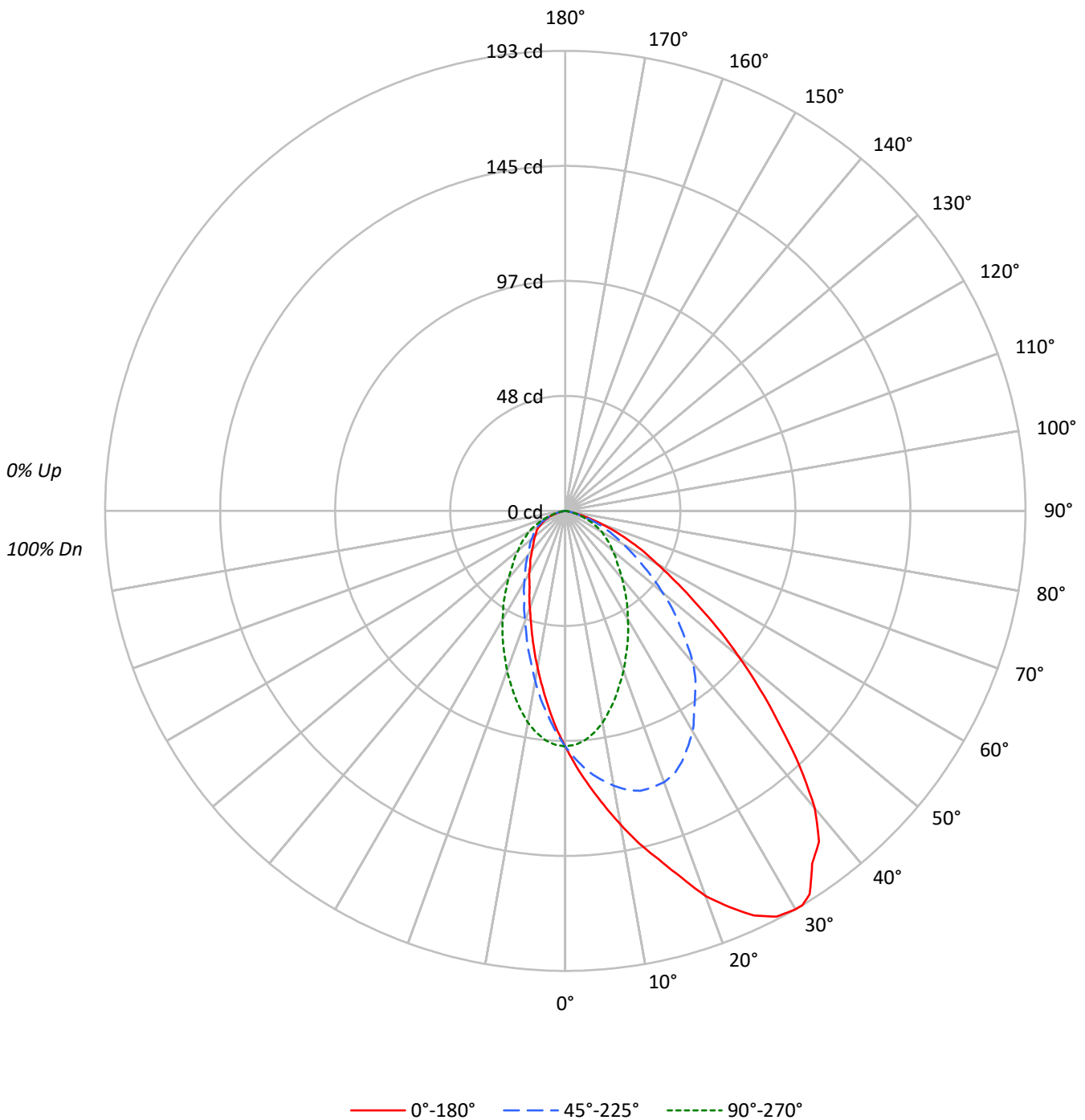
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R70W2N902750DE010 E3LCWW1WH\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3LCWW1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 201.0 lumens  
Efficiency: N/A  
Efficacy: 34.1 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): 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	
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	
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88	
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76	
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66	
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58	
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51			51	
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46			46	
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41			41	
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37			37	
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34			34	
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31			31	

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

	0°	45°	90°	135°	180°
0°	21665	21665	21665	21665	21665
5°	25512	24147	21241	18864	18094
10°	29748	26074	20084	16143	14874
15°	34348	27605	18411	13621	12191
20°	40113	28259	16661	11458	10128
25°	45317	28042	14928	9799	8565
30°	48868	27042	13293	8685	7672
35°	48318	25377	11912	7790	6880
40°	46602	23873	10620	7042	6212
45°	39508	21087	9551	6543	5830
50°	32340	18115	8767	6243	5663
55°	25117	15063	8296	6117	5658
60°	19516	12543	7763	6008	5263
65°	15410	10377	6797	5656	5033
70°	10643	7694	5514	4744	4424
75°	5338	4321	3897	3389	2881
80°	758	1389	2147	1389	758
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 39508 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.2	4.6
10°-20°	25.7	12.8
20°-30°	37.9	18.9
30°-40°	42.5	21.2
40°-50°	37.4	18.6
50°-60°	26.8	13.3
60°-70°	15.8	7.9
70°-80°	5.3	2.6
80°-90°	0.3	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°	72.9	36.3
0°-40°	115.4	57.4
0°-60°	179.6	89.3
0°-90°	201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	201.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	99	99	99	99	99	
5°	116	110	96	86	82	12
15°	151	122	81	60	54	44
25°	187	116	62	40	35	86
35°	180	95	44	29	26	113
45°	127	68	31	21	19	99
55°	66	39	22	16	15	60
65°	30	20	13	11	10	30
75°	6	5	5	4	3	8
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°	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2.5°	107.4	107.4	107.4	106.2	106.2	104.5	103.4	101.7	100.5	98.8	98.2
5°	115.9	115.9	114.8	113.6	111.9	109.7	106.8	103.9	100.5	97.7	96.5
7.5°	124.5	125.1	123.4	121.1	117.6	113.6	109.7	105.1	99.9	95.9	93.7
10°	133.6	133.6	131.4	127.9	122.8	117.1	110.8	104.5	98.2	92.5	90.2
12.5°	142.8	142.2	139.3	134.2	127.9	119.9	111.4	103.4	95.9	89.1	85.7
15°	151.3	151.3	147.3	141.1	131.9	121.6	111.4	101.1	92.5	84.5	81.1
17.5°	161.0	161.0	155.9	146.2	134.8	121.6	109.7	98.2	88.5	80.0	76.0
20°	171.9	171.3	163.9	150.8	135.9	121.1	107.4	94.8	84.0	74.8	71.4
22.5°	179.9	179.3	170.8	154.8	136.5	119.4	103.4	90.2	79.4	70.2	66.2
25°	187.3	186.2	176.5	156.5	135.4	115.9	99.4	85.1	74.8	65.7	61.7
27.5°	191.9	191.3	180.5	155.9	132.5	111.4	94.2	80.5	69.7	60.5	57.1
30°	193.0	193.6	180.5	153.1	127.9	106.8	89.1	75.4	64.5	56.5	52.5
31°	193.0	193.6	179.3	151.3	126.2	104.5	86.8	73.7	62.2	54.3	50.8
32.5°	190.7	189.6	177.6	148.5	122.2	100.5	84.0	70.8	59.4	51.4	48.5
35°	180.5	181.0	171.9	142.2	116.5	94.8	78.2	65.1	54.3	47.4	44.5
37.5°	174.8	174.8	158.2	133.6	110.2	89.7	71.4	58.8	49.7	43.4	40.5
40°	162.8	161.0	145.6	124.5	102.8	83.4	67.4	54.8	45.7	39.4	37.1
42.5°	145.6	143.9	131.9	116.5	93.1	75.4	64.0	48.5	41.1	36.0	33.7
45°	127.4	126.2	117.1	102.8	84.0	68.0	55.4	44.5	37.7	32.6	30.8
47.5°	110.8	109.1	102.2	91.4	76.0	61.1	48.0	40.0	33.7	29.7	28.6
50°	94.8	94.2	88.5	80.0	67.4	53.1	42.3	35.4	30.8	27.4	25.7
52.5°	80.0	78.8	76.0	69.1	58.8	46.3	37.1	31.4	27.4	25.1	24.0
55°	65.7	65.7	62.8	58.3	50.3	39.4	32.6	28.0	24.6	22.8	21.7
57.5°	54.3	54.3	52.0	49.1	41.7	33.7	28.6	24.6	22.3	20.6	19.4
60°	44.5	44.5	42.8	40.0	34.8	28.6	24.6	21.7	20.0	18.3	17.7
62.5°	37.1	36.6	35.4	32.6	28.6	24.0	21.1	18.8	17.1	16.0	15.4
65°	29.7	29.1	28.0	25.7	22.8	20.0	17.7	16.0	14.8	13.7	13.1
67.5°	22.8	22.8	21.7	20.0	17.7	16.0	14.3	13.1	12.0	11.4	10.9
70°	16.6	16.6	16.0	14.8	13.1	12.0	10.9	10.3	9.7	9.1	8.6
72.5°	11.4	11.4	10.9	10.3	9.1	8.6	7.4	7.4	6.9	6.9	6.3
75°	6.3	6.3	6.3	5.7	5.7	5.1	5.1	5.1	4.6	4.6	4.6
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2.5°	97.7	95.9	94.8	94.2	92.5	91.9	91.4	90.8	90.8	90.8
5°	95.4	92.5	89.7	87.9	85.7	84.5	83.4	82.8	82.2	82.2
7.5°	91.4	87.9	84.5	81.7	79.4	77.1	76.0	74.8	74.8	74.2
10°	87.4	82.8	78.8	74.8	72.5	69.7	68.5	67.4	66.8	66.8
12.5°	82.8	77.1	72.5	69.1	65.7	63.4	61.7	60.5	60.0	60.0
15°	77.7	72.0	66.8	63.4	60.0	57.1	55.4	54.3	53.7	53.7
17.5°	72.5	66.8	61.1	57.7	54.3	51.4	50.3	49.1	48.5	48.0
20°	68.0	61.1	56.5	52.0	49.1	46.8	45.1	44.0	43.4	43.4
22.5°	62.8	56.5	51.4	48.0	45.1	42.8	40.5	40.0	39.4	39.4
25°	57.7	52.0	47.4	44.0	40.5	38.8	37.1	36.0	36.0	35.4
27.5°	53.7	48.0	43.4	40.0	37.7	35.4	34.3	33.1	32.6	32.6
30°	49.1	44.0	40.0	37.1	34.3	32.6	31.4	30.3	30.3	30.3
31°	48.0	42.8	38.8	35.4	33.1	31.4	30.3	29.7	29.1	29.1
32.5°	45.1	40.5	36.6	33.7	31.4	29.7	28.6	28.0	28.0	27.4
35°	41.7	37.1	33.7	30.8	29.1	27.4	26.3	25.7	25.7	25.7
37.5°	38.3	34.3	30.8	28.6	26.8	25.1	24.6	23.4	23.4	23.4
40°	34.8	31.4	28.6	26.3	24.6	23.4	22.8	22.3	21.7	21.7
42.5°	32.0	28.6	26.3	24.6	22.8	21.7	21.1	20.6	20.6	20.0
45°	29.1	26.3	24.6	22.8	21.1	20.6	20.0	19.4	18.8	18.8
47.5°	26.8	24.6	22.3	21.1	20.0	18.8	18.3	18.3	17.7	17.7
50°	24.6	22.3	20.6	19.4	18.3	17.7	17.1	17.1	16.6	16.6
52.5°	22.8	20.6	19.4	18.3	17.1	16.6	16.0	16.0	15.4	15.4
55°	20.6	18.8	17.7	17.1	16.0	15.4	14.8	14.3	14.3	14.8
57.5°	18.8	17.7	16.6	16.0	14.8	14.3	13.7	13.7	13.1	13.7
60°	17.1	16.0	14.8	14.3	13.7	13.1	12.6	12.0	12.0	12.0
62.5°	15.4	14.3	13.7	12.6	12.0	12.0	11.4	11.4	11.4	10.9
65°	13.1	12.6	12.0	11.4	10.9	10.3	10.3	9.7	9.7	9.7
67.5°	10.9	10.3	9.7	9.7	9.1	8.6	8.6	8.6	8.6	8.0
70°	8.6	8.0	8.0	7.4	7.4	7.4	6.9	6.9	6.9	6.9
72.5°	6.3	6.3	5.7	5.7	5.7	5.7	5.1	5.1	5.1	5.1
75°	4.6	4.6	4.6	4.0	4.0	4.0	3.4	3.4	3.4	3.4
77.5°	2.9	2.9	2.9	2.9	2.9	2.3	2.3	2.3	2.3	2.3
80°	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	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)