

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: P3ART09R70W2N902750DE010 E3LCWW1WH\_2700K

Issue Date: 5/8/2026

**Test Information**

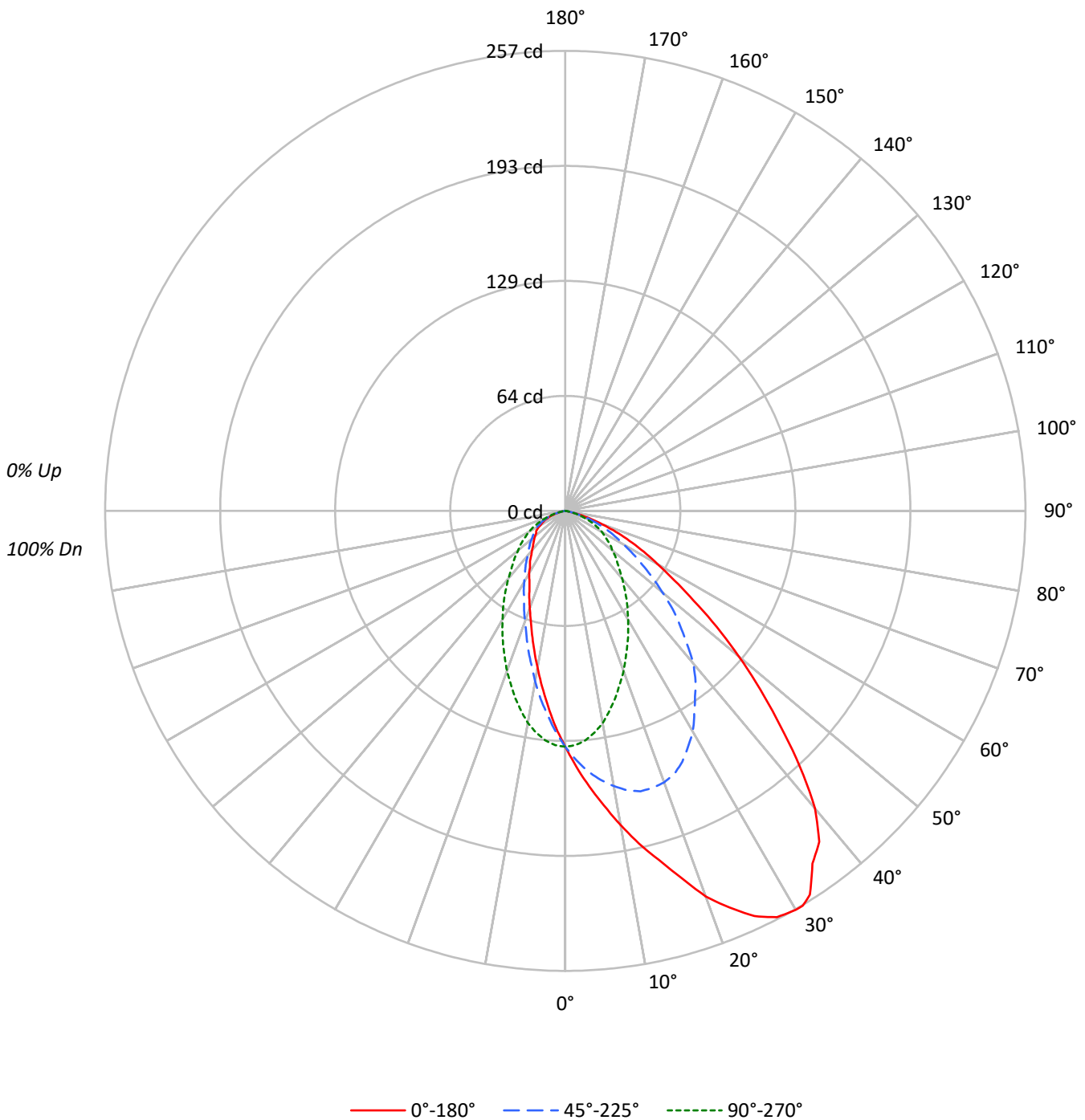
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R70W2N902750DE010 E3LCWW1WH\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,  
E3LCWW1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 268.0 lumens  
Efficiency: N/A  
Efficacy: 29.8 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): 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	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	78	78	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	68	68	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	60	60	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	53	53	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	47	47	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	43	43	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	39	39	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	35	35	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	32	32	32	31

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

	0°	45°	90°	135°	180°
0°	28879	28879	28879	28879	28879
5°	34030	32181	28329	25138	24147
10°	39679	34758	26786	21532	19839
15°	45812	36822	24540	18161	16254
20°	53485	37663	22215	15285	13511
25°	60439	37405	19888	13089	11420
30°	65175	36056	17750	11571	10229
35°	64407	33836	15901	10386	9182
40°	62116	31831	14169	9360	8273
45°	52657	28096	12746	8745	7784
50°	43120	24153	11701	8324	7539
55°	33490	20071	11049	8143	7570
60°	26051	16709	10350	8026	7017
65°	20547	13854	9080	7524	6693
70°	14169	10258	7309	6347	5834
75°	7117	5846	5168	4490	3897
80°	1010	1894	2904	1894	1010
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 52657 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.3	4.6
10°-20°	34.3	12.8
20°-30°	50.6	18.9
30°-40°	56.7	21.2
40°-50°	49.9	18.6
50°-60°	35.7	13.3
60°-70°	21.1	7.9
70°-80°	7.1	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
<b>0°-30°</b>	<b>97.2</b>	<b>36.3</b>
<b>0°-40°</b>	<b>153.9</b>	<b>57.4</b>
<b>0°-60°</b>	<b>239.4</b>	<b>89.3</b>
<b>0°-90°</b>	<b>268.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>268.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	132	132	132	132	132	
5°	155	146	129	114	110	15
15°	202	162	108	80	72	58
25°	250	155	82	54	47	115
35°	241	126	59	39	34	151
45°	170	91	41	28	25	131
55°	88	52	29	21	20	80
65°	40	27	18	14	13	40
75°	8	7	6	5	5	10
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°	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7
2.5°	143.2	143.2	143.2	141.6	141.6	139.3	137.8	135.5	134.0	131.7	131.0
5°	154.6	154.6	153.1	151.5	149.2	146.2	142.4	138.6	134.0	130.2	128.7
7.5°	166.0	166.8	164.5	161.4	156.9	151.5	146.2	140.1	133.3	127.9	124.9
10°	178.2	178.2	175.1	170.6	163.7	156.1	147.7	139.3	131.0	123.4	120.3
12.5°	190.4	189.6	185.8	178.9	170.6	159.9	148.5	137.8	127.9	118.8	114.2
15°	201.8	201.8	196.5	188.1	175.9	162.2	148.5	134.8	123.4	112.7	108.1
17.5°	214.7	214.7	207.9	194.9	179.7	162.2	146.2	131.0	118.0	106.6	101.3
20°	229.2	228.4	218.5	201.0	181.2	161.4	143.2	126.4	111.9	99.8	95.2
22.5°	239.9	239.1	227.7	206.4	182.0	159.1	137.8	120.3	105.8	93.7	88.3
25°	249.8	248.2	235.3	208.6	180.5	154.6	132.5	113.5	99.8	87.6	82.2
27.5°	255.9	255.1	240.6	207.9	176.7	148.5	125.6	107.4	92.9	80.7	76.1
30°	257.4	258.1	240.6	204.1	170.6	142.4	118.8	100.5	86.0	75.4	70.1
31°	257.4	258.1	239.1	201.8	168.3	139.3	115.7	98.2	83.0	72.3	67.8
32.5°	254.3	252.8	236.8	198.0	163.0	134.0	111.9	94.4	79.2	68.5	64.7
35°	240.6	241.4	229.2	189.6	155.3	126.4	104.3	86.8	72.3	63.2	59.4
37.5°	233.0	233.0	210.9	178.2	147.0	119.5	95.2	78.4	66.2	57.9	54.1
40°	217.0	214.7	194.2	166.0	137.1	111.2	89.9	73.1	60.9	52.5	49.5
42.5°	194.2	191.9	175.9	155.3	124.1	100.5	85.3	64.7	54.8	48.0	44.9
45°	169.8	168.3	156.1	137.1	111.9	90.6	73.9	59.4	50.3	43.4	41.1
47.5°	147.7	145.4	136.3	121.8	101.3	81.5	64.0	53.3	44.9	39.6	38.1
50°	126.4	125.6	118.0	106.6	89.9	70.8	56.3	47.2	41.1	36.6	34.3
52.5°	106.6	105.1	101.3	92.1	78.4	61.7	49.5	41.9	36.6	33.5	32.0
55°	87.6	87.6	83.8	77.7	67.0	52.5	43.4	37.3	32.7	30.5	28.9
57.5°	72.3	72.3	69.3	65.5	55.6	44.9	38.1	32.7	29.7	27.4	25.9
60°	59.4	59.4	57.1	53.3	46.4	38.1	32.7	28.9	26.7	24.4	23.6
62.5°	49.5	48.7	47.2	43.4	38.1	32.0	28.2	25.1	22.8	21.3	20.6
65°	39.6	38.8	37.3	34.3	30.5	26.7	23.6	21.3	19.8	18.3	17.5
67.5°	30.5	30.5	28.9	26.7	23.6	21.3	19.0	17.5	16.0	15.2	14.5
70°	22.1	22.1	21.3	19.8	17.5	16.0	14.5	13.7	12.9	12.2	11.4
72.5°	15.2	15.2	14.5	13.7	12.2	11.4	9.9	9.9	9.1	9.1	8.4
75°	8.4	8.4	8.4	7.6	7.6	6.9	6.9	6.9	6.1	6.1	6.1
77.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
80°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	2.3	2.3	2.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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°	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7
2.5°	130.2	127.9	126.4	125.6	123.4	122.6	121.8	121.1	121.1	121.1
5°	127.2	123.4	119.5	117.3	114.2	112.7	111.2	110.4	109.7	109.7
7.5°	121.8	117.3	112.7	108.9	105.8	102.8	101.3	99.8	99.8	99.0
10°	116.5	110.4	105.1	99.8	96.7	92.9	91.4	89.9	89.1	89.1
12.5°	110.4	102.8	96.7	92.1	87.6	84.5	82.2	80.7	80.0	80.0
15°	103.6	95.9	89.1	84.5	80.0	76.1	73.9	72.3	71.6	71.6
17.5°	96.7	89.1	81.5	76.9	72.3	68.5	67.0	65.5	64.7	64.0
20°	90.6	81.5	75.4	69.3	65.5	62.4	60.2	58.6	57.9	57.9
22.5°	83.8	75.4	68.5	64.0	60.2	57.1	54.1	53.3	52.5	52.5
25°	76.9	69.3	63.2	58.6	54.1	51.8	49.5	48.0	48.0	47.2
27.5°	71.6	64.0	57.9	53.3	50.3	47.2	45.7	44.2	43.4	43.4
30°	65.5	58.6	53.3	49.5	45.7	43.4	41.9	40.4	40.4	40.4
31°	64.0	57.1	51.8	47.2	44.2	41.9	40.4	39.6	38.8	38.8
32.5°	60.2	54.1	48.7	44.9	41.9	39.6	38.1	37.3	37.3	36.6
35°	55.6	49.5	44.9	41.1	38.8	36.6	35.0	34.3	34.3	34.3
37.5°	51.0	45.7	41.1	38.1	35.8	33.5	32.7	31.2	31.2	31.2
40°	46.4	41.9	38.1	35.0	32.7	31.2	30.5	29.7	28.9	28.9
42.5°	42.6	38.1	35.0	32.7	30.5	28.9	28.2	27.4	27.4	26.7
45°	38.8	35.0	32.7	30.5	28.2	27.4	26.7	25.9	25.1	25.1
47.5°	35.8	32.7	29.7	28.2	26.7	25.1	24.4	24.4	23.6	23.6
50°	32.7	29.7	27.4	25.9	24.4	23.6	22.8	22.8	22.1	22.1
52.5°	30.5	27.4	25.9	24.4	22.8	22.1	21.3	21.3	20.6	20.6
55°	27.4	25.1	23.6	22.8	21.3	20.6	19.8	19.0	19.0	19.8
57.5°	25.1	23.6	22.1	21.3	19.8	19.0	18.3	18.3	17.5	18.3
60°	22.8	21.3	19.8	19.0	18.3	17.5	16.8	16.0	16.0	16.0
62.5°	20.6	19.0	18.3	16.8	16.0	16.0	15.2	15.2	15.2	14.5
65°	17.5	16.8	16.0	15.2	14.5	13.7	13.7	12.9	12.9	12.9
67.5°	14.5	13.7	12.9	12.9	12.2	11.4	11.4	11.4	11.4	10.7
70°	11.4	10.7	10.7	9.9	9.9	9.9	9.1	9.1	9.1	9.1
72.5°	8.4	8.4	7.6	7.6	7.6	7.6	6.9	6.9	6.9	6.9
75°	6.1	6.1	6.1	5.3	5.3	5.3	4.6	4.6	4.6	4.6
77.5°	3.8	3.8	3.8	3.8	3.8	3.0	3.0	3.0	3.0	3.0
80°	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5	1.5	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	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)