

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: P3ART05R70W2N902765DE010 E3CLSWW1MW\_6500K

Issue Date: 5/8/2026

**Test Information**

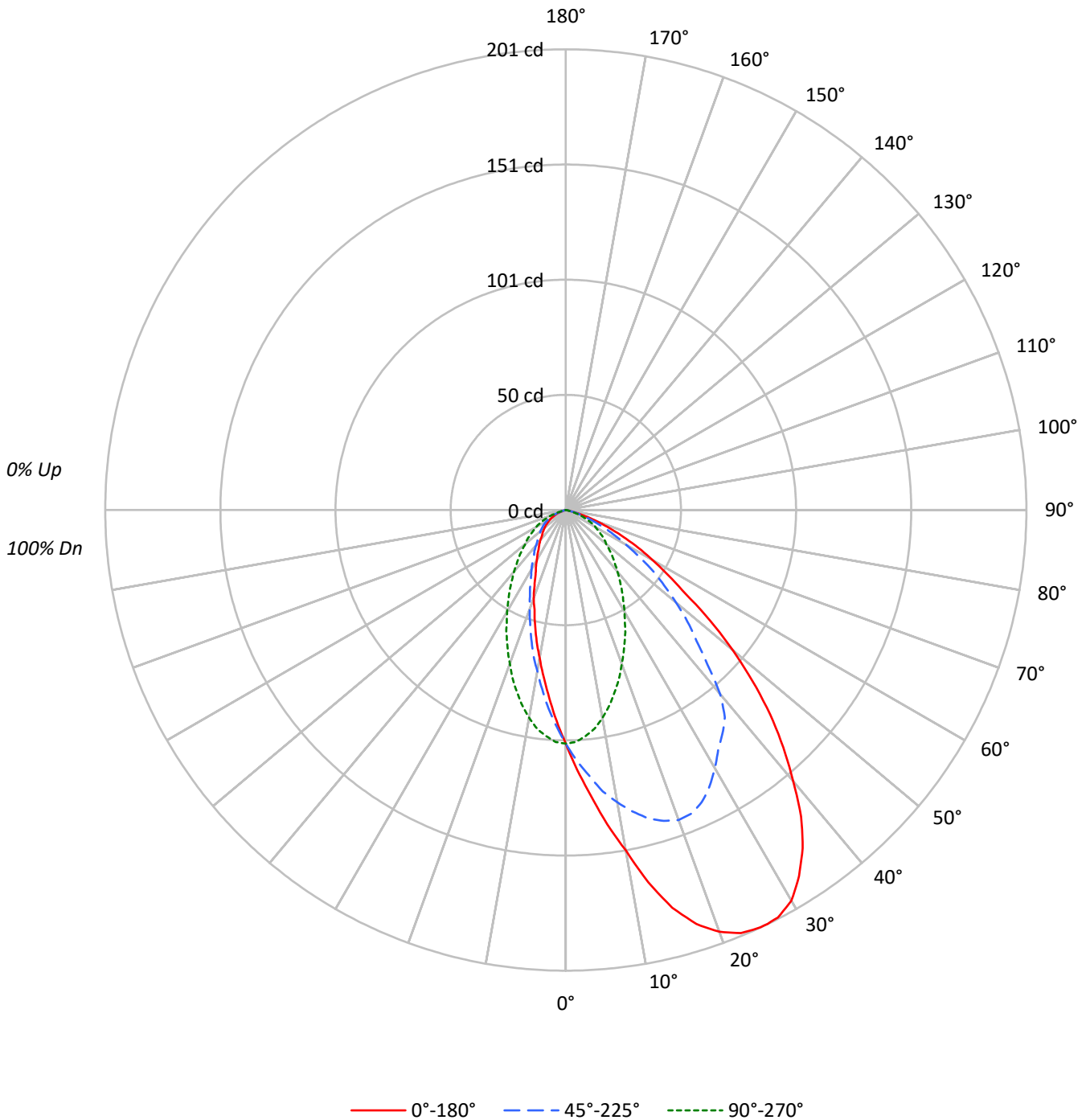
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R70W2N902765DE010 E3CLSWW1MW\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 6500K CCT AND, 90CRI ,  
E3CLSWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 203.0 lumens  
Efficiency: N/A  
Efficacy: 34.4 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23  
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				
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78				
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68				
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60				
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53				
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47				
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43				
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39				
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32				

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

	0°	45°	90°	135°	180°
0°	22345	22345	22345	22345	22345
5°	27493	25600	21792	19128	18116
10°	33578	28835	20507	15898	14607
15°	40772	31623	18683	13212	11759
20°	45691	33580	16661	10758	9544
25°	48608	33994	14759	8904	7525
30°	49856	32942	12964	7571	6406
35°	48238	31909	11404	6478	5541
40°	44168	29999	10047	5782	4952
45°	39105	24995	8931	5365	4466
50°	32408	21424	7846	4912	4128
55°	24429	17815	7264	4626	3747
60°	19209	13376	6578	4298	3289
65°	14321	9858	5656	3580	2698
70°	9232	6283	4039	2565	1475
75°	3897	3389	1949	1017	508
80°	758	758	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 39105 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.7	4.8
10°-20°	27.8	13.7
20°-30°	40.7	20.0
30°-40°	44.3	21.8
40°-50°	38.4	18.9
50°-60°	25.7	12.7
60°-70°	13.3	6.5
70°-80°	3.1	1.6
80°-90°	0.0	0.0
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°	78.2	38.5
0°-40°	122.5	60.3
0°-60°	186.6	91.9
0°-90°	203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	203.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	102	102	102	102	102	
5°	125	116	99	87	82	13
15°	180	139	82	58	52	51
25°	201	140	61	37	31	92
35°	180	119	43	24	21	112
45°	126	81	29	17	14	97
55°	64	47	19	12	10	59
65°	28	19	11	7	5	28
75°	5	4	2	1	1	6
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°	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9
2.5°	113.4	112.8	112.8	111.7	110.5	109.4	107.7	105.9	104.2	102.5	101.3
5°	124.9	125.5	124.9	122.6	119.8	116.3	112.8	108.8	104.8	101.3	99.0
7.5°	138.2	138.2	136.5	133.6	129.5	123.8	118.0	111.1	104.8	99.0	96.2
10°	150.8	150.8	148.0	143.4	137.0	129.5	121.5	112.3	103.6	95.6	92.1
12.5°	166.4	165.8	162.4	154.9	145.7	134.7	123.8	112.3	101.9	92.1	87.5
15°	179.6	179.1	174.5	165.2	153.2	139.3	124.4	111.1	98.5	87.5	82.3
17.5°	189.4	188.3	183.1	173.3	159.5	142.2	124.9	108.8	94.4	82.3	77.2
20°	195.8	195.2	189.4	177.9	162.9	143.9	124.4	105.9	90.4	77.2	71.4
22.5°	199.8	198.6	192.9	180.2	162.9	143.4	122.1	101.9	85.2	72.0	66.2
25°	200.9	200.4	193.5	179.6	161.2	140.5	118.6	97.9	80.0	66.8	61.0
26°	200.9	200.4	193.5	179.1	160.1	138.8	116.9	96.2	78.3	64.5	59.3
27.5°	200.4	199.8	192.3	177.3	157.8	135.9	113.4	92.7	74.8	61.6	55.8
30°	196.9	195.8	188.3	173.3	152.6	130.1	107.7	87.5	69.7	56.4	51.2
32.5°	189.4	188.3	180.2	166.4	146.8	123.8	101.3	81.8	64.5	51.2	46.6
35°	180.2	179.1	171.0	157.8	138.8	119.2	94.4	75.4	58.7	47.2	42.6
37.5°	168.7	167.0	160.1	146.2	129.0	114.0	88.7	69.1	53.5	42.6	38.6
40°	154.3	153.7	147.4	134.7	117.5	104.8	85.2	69.1	48.9	38.6	35.1
42.5°	140.5	139.3	133.6	122.6	107.1	91.5	74.8	66.2	45.5	34.5	31.7
45°	126.1	124.9	119.8	110.5	96.2	80.6	80.6	57.0	39.2	31.7	28.8
47.5°	110.5	109.4	105.4	98.5	85.8	72.0	58.7	46.6	35.7	28.2	25.9
50°	95.0	95.6	92.1	85.2	75.4	62.8	50.7	39.2	30.5	25.3	23.0
52.5°	79.5	78.9	76.6	72.0	65.1	54.1	43.2	33.4	26.5	22.5	21.3
55°	63.9	64.5	63.3	60.5	54.7	46.6	36.3	28.8	23.6	20.2	19.0
57.5°	53.0	53.5	51.2	49.5	44.9	38.0	29.9	24.2	20.2	17.8	16.7
60°	43.8	44.3	42.6	40.3	36.8	30.5	24.2	20.2	17.8	16.1	15.0
62.5°	35.7	35.1	34.0	31.7	28.8	24.2	19.6	16.7	15.0	13.8	13.2
65°	27.6	27.6	26.5	24.8	22.5	19.0	15.5	13.8	12.7	11.5	10.9
67.5°	20.7	20.7	19.6	18.4	16.1	13.8	12.1	10.9	10.4	9.2	8.6
70°	14.4	14.4	13.8	13.2	11.5	9.8	9.2	8.1	7.5	6.9	6.3
72.5°	9.2	9.2	9.2	8.1	7.5	6.3	6.3	5.8	5.2	4.6	4.6
75°	4.6	5.2	4.6	4.6	4.0	4.0	3.5	3.5	2.9	2.9	2.3
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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°	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9
2.5°	100.2	98.5	97.3	95.6	94.4	93.3	92.7	92.1	92.1	92.1
5°	97.3	94.4	91.5	88.7	86.9	85.2	83.5	82.9	82.3	82.3
7.5°	93.8	89.2	85.2	81.8	78.9	77.2	75.4	74.3	73.7	73.7
10°	89.2	83.5	78.9	74.3	71.4	69.1	67.9	66.2	66.2	65.6
12.5°	84.1	77.2	72.0	67.9	65.1	62.2	60.5	59.3	58.7	58.7
15°	78.3	71.4	65.6	61.0	58.2	55.3	53.5	52.4	51.8	51.8
17.5°	72.5	65.1	59.3	54.7	51.8	48.9	47.2	46.1	46.1	45.5
20°	66.8	59.3	53.5	48.9	46.1	43.8	42.0	40.9	40.3	40.9
22.5°	61.6	54.1	48.4	44.3	40.9	38.6	36.8	36.3	35.7	35.7
25°	55.8	48.9	43.8	39.7	36.8	34.5	32.8	32.2	31.7	31.1
26°	54.1	47.2	42.0	38.0	35.1	32.8	31.7	30.5	29.9	29.9
27.5°	51.8	44.3	39.7	35.7	32.8	31.1	29.4	28.8	28.2	28.2
30°	46.6	40.3	35.7	32.2	29.9	27.6	26.5	25.9	25.3	25.3
32.5°	42.6	36.3	32.2	29.4	27.1	25.3	24.2	23.0	23.0	23.0
35°	38.6	32.8	29.4	26.5	24.2	22.5	21.9	21.3	20.7	20.7
37.5°	35.1	29.9	26.5	24.2	22.5	20.7	19.6	19.0	19.0	19.0
40°	31.7	27.6	24.2	21.9	20.2	19.0	17.8	17.3	17.3	17.3
42.5°	28.8	24.8	22.5	20.2	18.4	17.3	16.7	16.1	15.5	15.5
45°	26.5	23.0	20.2	18.4	17.3	16.1	15.0	14.4	14.4	14.4
47.5°	23.6	21.3	18.4	16.7	15.5	14.4	13.8	13.2	13.2	13.2
50°	21.9	19.6	17.3	15.5	14.4	13.2	12.7	12.1	12.1	12.1
52.5°	19.6	17.8	16.1	14.4	13.2	12.1	11.5	10.9	10.9	10.9
55°	17.8	16.1	14.4	13.2	12.1	10.9	10.4	9.8	9.8	9.8
57.5°	16.1	14.4	13.2	12.1	10.9	10.4	9.2	9.2	8.6	8.6
60°	14.4	12.7	11.5	10.9	9.8	9.2	8.1	7.5	7.5	7.5
62.5°	12.1	11.5	10.4	9.2	8.1	7.5	6.9	6.3	6.3	6.3
65°	10.4	9.8	8.6	7.5	6.9	6.3	5.8	5.2	5.2	5.2
67.5°	8.6	7.5	6.9	6.3	5.8	5.2	4.6	4.0	3.5	4.0
70°	6.3	5.8	5.2	4.6	4.0	3.5	2.9	2.9	2.3	2.3
72.5°	4.0	3.5	3.5	2.9	2.3	2.3	1.7	1.7	1.2	1.2
75°	2.3	2.3	1.7	1.7	1.2	1.2	0.6	0.6	0.6	0.6
77.5°	1.2	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)