

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 E3CLSWW1MW\_2700K

Issue Date: 5/8/2026

**Test Information**

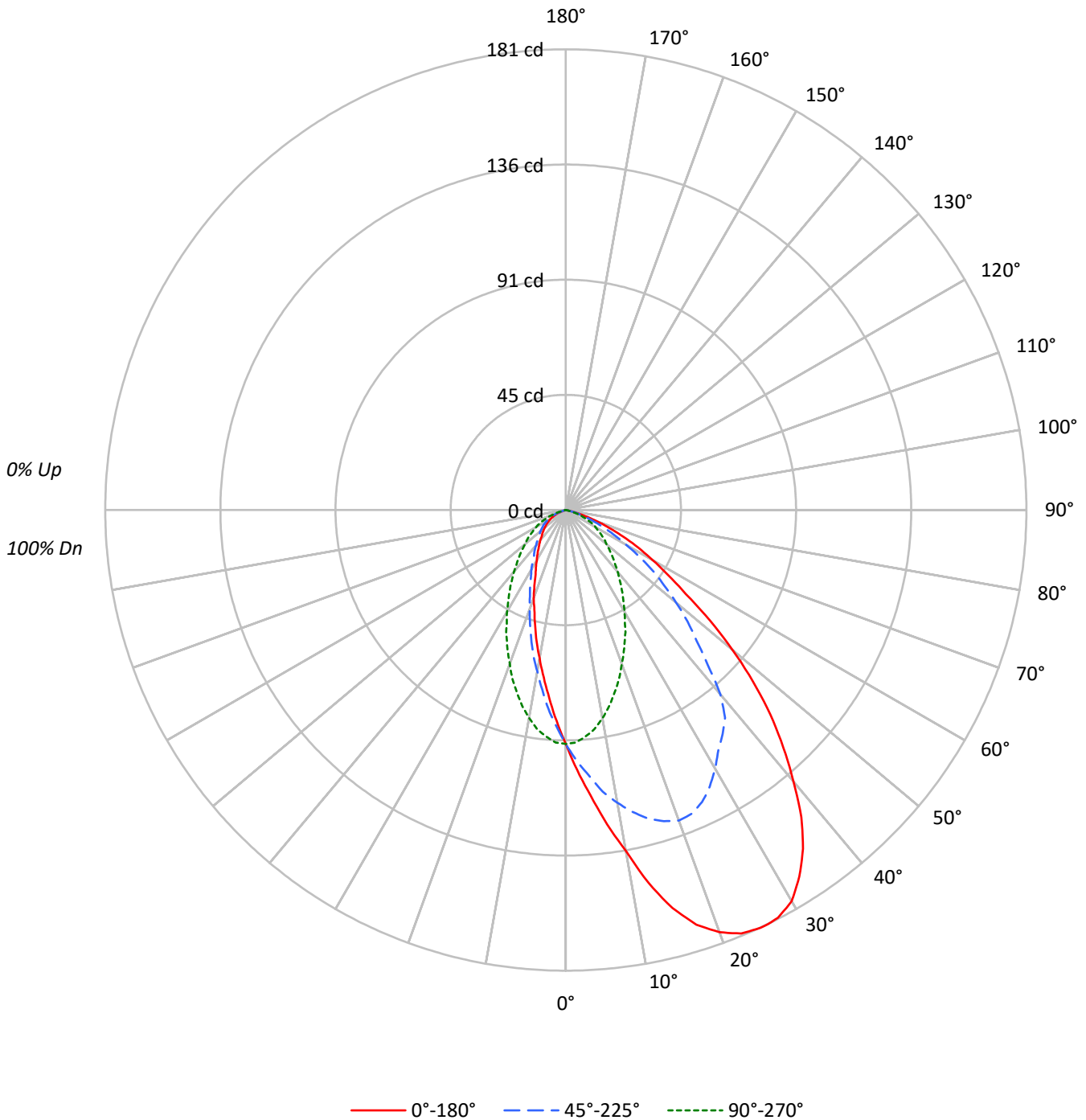
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R70W2N902750DE010 E3CLSWW1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,  
E3CLSWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 183.0 lumens  
Efficiency: N/A  
Efficacy: 31.0 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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

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

	0°	45°	90°	135°	180°
0°	20152	20152	20152	20152	20152
5°	24785	23068	19657	17257	16333
10°	30282	26007	18481	14340	13182
15°	36754	28513	16845	11896	10602
20°	41187	30289	15028	9684	8611
25°	43817	30631	13307	8033	6775
30°	44944	29701	11698	6836	5773
35°	43500	28750	10279	5836	5006
40°	39817	27051	9074	5210	4466
45°	35259	22545	8063	4838	4031
50°	29202	19309	7096	4435	3718
55°	22021	16057	6537	4167	3364
60°	17279	12060	5921	3859	2938
65°	12920	8873	5137	3217	2439
70°	8335	5642	3654	2308	1346
75°	3558	3050	1779	847	424
80°	631	631	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 35259 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.7	4.8
10°-20°	25.1	13.7
20°-30°	36.7	20.0
30°-40°	40.0	21.8
40°-50°	34.6	18.9
50°-60°	23.2	12.7
60°-70°	12.0	6.5
70°-80°	2.8	1.5
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°	70.5	38.5
0°-40°	110.4	60.3
0°-60°	168.2	91.9
0°-90°	183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	183.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	92	92	92	92	92	
5°	113	105	89	78	74	11
15°	162	126	74	52	47	46
25°	181	127	55	33	28	83
35°	162	107	38	22	19	101
45°	114	73	26	16	13	87
55°	58	42	17	11	9	53
65°	25	17	10	6	5	25
75°	4	4	2	1	0	5
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°	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
2.5°	102.3	101.7	101.7	100.7	99.7	98.6	97.1	95.5	93.9	92.4	91.4
5°	112.6	113.1	112.6	110.6	108.0	104.8	101.7	98.1	94.5	91.4	89.3
7.5°	124.6	124.6	123.0	120.4	116.8	111.6	106.4	100.2	94.5	89.3	86.7
10°	136.0	136.0	133.4	129.2	123.5	116.8	109.5	101.2	93.4	86.2	83.0
12.5°	150.0	149.5	146.4	139.6	131.3	121.5	111.6	101.2	91.9	83.0	78.9
15°	161.9	161.4	157.3	149.0	138.1	125.6	112.1	100.2	88.8	78.9	74.2
17.5°	170.8	169.7	165.1	156.2	143.8	128.2	112.6	98.1	85.1	74.2	69.6
20°	176.5	176.0	170.8	160.4	146.9	129.8	112.1	95.5	81.5	69.6	64.4
22.5°	180.1	179.1	173.9	162.5	146.9	129.2	110.0	91.9	76.8	64.9	59.7
25°	181.1	180.6	174.4	161.9	145.3	126.6	106.9	88.2	72.1	60.2	55.0
26°	181.1	180.6	174.4	161.4	144.3	125.1	105.4	86.7	70.6	58.1	53.5
27.5°	180.6	180.1	173.4	159.9	142.2	122.5	102.3	83.6	67.5	55.5	50.3
30°	177.5	176.5	169.7	156.2	137.5	117.3	97.1	78.9	62.8	50.9	46.2
32.5°	170.8	169.7	162.5	150.0	132.4	111.6	91.4	73.7	58.1	46.2	42.0
35°	162.5	161.4	154.2	142.2	125.1	107.4	85.1	68.0	52.9	42.6	38.4
37.5°	152.1	150.5	144.3	131.8	116.3	102.8	79.9	62.3	48.3	38.4	34.8
40°	139.1	138.6	132.9	121.5	105.9	94.5	76.8	62.3	44.1	34.8	31.7
42.5°	126.6	125.6	120.4	110.6	96.5	82.5	67.5	59.7	41.0	31.1	28.5
45°	113.7	112.6	108.0	99.7	86.7	72.7	72.7	51.4	35.3	28.5	26.0
47.5°	99.7	98.6	95.0	88.8	77.3	64.9	52.9	42.0	32.2	25.4	23.4
50°	85.6	86.2	83.0	76.8	68.0	56.6	45.7	35.3	27.5	22.8	20.8
52.5°	71.6	71.1	69.0	64.9	58.7	48.8	38.9	30.1	23.9	20.2	19.2
55°	57.6	58.1	57.1	54.5	49.3	42.0	32.7	26.0	21.3	18.2	17.1
57.5°	47.8	48.3	46.2	44.6	40.5	34.3	27.0	21.8	18.2	16.1	15.1
60°	39.4	40.0	38.4	36.3	33.2	27.5	21.8	18.2	16.1	14.5	13.5
62.5°	32.2	31.7	30.6	28.5	26.0	21.8	17.6	15.1	13.5	12.5	11.9
65°	24.9	24.9	23.9	22.3	20.2	17.1	14.0	12.5	11.4	10.4	9.9
67.5°	18.7	18.7	17.6	16.6	14.5	12.5	10.9	9.9	9.3	8.3	7.8
70°	13.0	13.0	12.5	11.9	10.4	8.8	8.3	7.3	6.7	6.2	5.7
72.5°	8.3	8.3	8.3	7.3	6.7	5.7	5.7	5.2	4.7	4.2	4.2
75°	4.2	4.7	4.2	4.2	3.6	3.6	3.1	3.1	2.6	2.6	2.1
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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°	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
2.5°	90.3	88.8	87.7	86.2	85.1	84.1	83.6	83.0	83.0	83.0
5°	87.7	85.1	82.5	79.9	78.4	76.8	75.3	74.7	74.2	74.2
7.5°	84.6	80.5	76.8	73.7	71.1	69.6	68.0	67.0	66.4	66.4
10°	80.5	75.3	71.1	67.0	64.4	62.3	61.2	59.7	59.7	59.2
12.5°	75.8	69.6	64.9	61.2	58.7	56.1	54.5	53.5	52.9	52.9
15°	70.6	64.4	59.2	55.0	52.4	49.8	48.3	47.2	46.7	46.7
17.5°	65.4	58.7	53.5	49.3	46.7	44.1	42.6	41.5	41.5	41.0
20°	60.2	53.5	48.3	44.1	41.5	39.4	37.9	36.9	36.3	36.9
22.5°	55.5	48.8	43.6	40.0	36.9	34.8	33.2	32.7	32.2	32.2
25°	50.3	44.1	39.4	35.8	33.2	31.1	29.6	29.1	28.5	28.0
26°	48.8	42.6	37.9	34.3	31.7	29.6	28.5	27.5	27.0	27.0
27.5°	46.7	40.0	35.8	32.2	29.6	28.0	26.5	26.0	25.4	25.4
30°	42.0	36.3	32.2	29.1	27.0	24.9	23.9	23.4	22.8	22.8
32.5°	38.4	32.7	29.1	26.5	24.4	22.8	21.8	20.8	20.8	20.8
35°	34.8	29.6	26.5	23.9	21.8	20.2	19.7	19.2	18.7	18.7
37.5°	31.7	27.0	23.9	21.8	20.2	18.7	17.6	17.1	17.1	17.1
40°	28.5	24.9	21.8	19.7	18.2	17.1	16.1	15.6	15.6	15.6
42.5°	26.0	22.3	20.2	18.2	16.6	15.6	15.1	14.5	14.0	14.0
45°	23.9	20.8	18.2	16.6	15.6	14.5	13.5	13.0	13.0	13.0
47.5°	21.3	19.2	16.6	15.1	14.0	13.0	12.5	11.9	11.9	11.9
50°	19.7	17.6	15.6	14.0	13.0	11.9	11.4	10.9	10.9	10.9
52.5°	17.6	16.1	14.5	13.0	11.9	10.9	10.4	9.9	9.9	9.9
55°	16.1	14.5	13.0	11.9	10.9	9.9	9.3	8.8	8.8	8.8
57.5°	14.5	13.0	11.9	10.9	9.9	9.3	8.3	8.3	7.8	7.8
60°	13.0	11.4	10.4	9.9	8.8	8.3	7.3	6.7	6.7	6.7
62.5°	10.9	10.4	9.3	8.3	7.3	6.7	6.2	5.7	5.7	5.7
65°	9.3	8.8	7.8	6.7	6.2	5.7	5.2	4.7	4.7	4.7
67.5°	7.8	6.7	6.2	5.7	5.2	4.7	4.2	3.6	3.1	3.6
70°	5.7	5.2	4.7	4.2	3.6	3.1	2.6	2.6	2.1	2.1
72.5°	3.6	3.1	3.1	2.6	2.1	2.1	1.6	1.6	1.0	1.0
75°	2.1	2.1	1.6	1.6	1.0	1.0	0.5	0.5	0.5	0.5
77.5°	1.0	0.5	0.5	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)