

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: P3ART02R70B2750DE010 E3CLDWW1MW\_3000K

Issue Date: 5/8/2026

**Test Information**

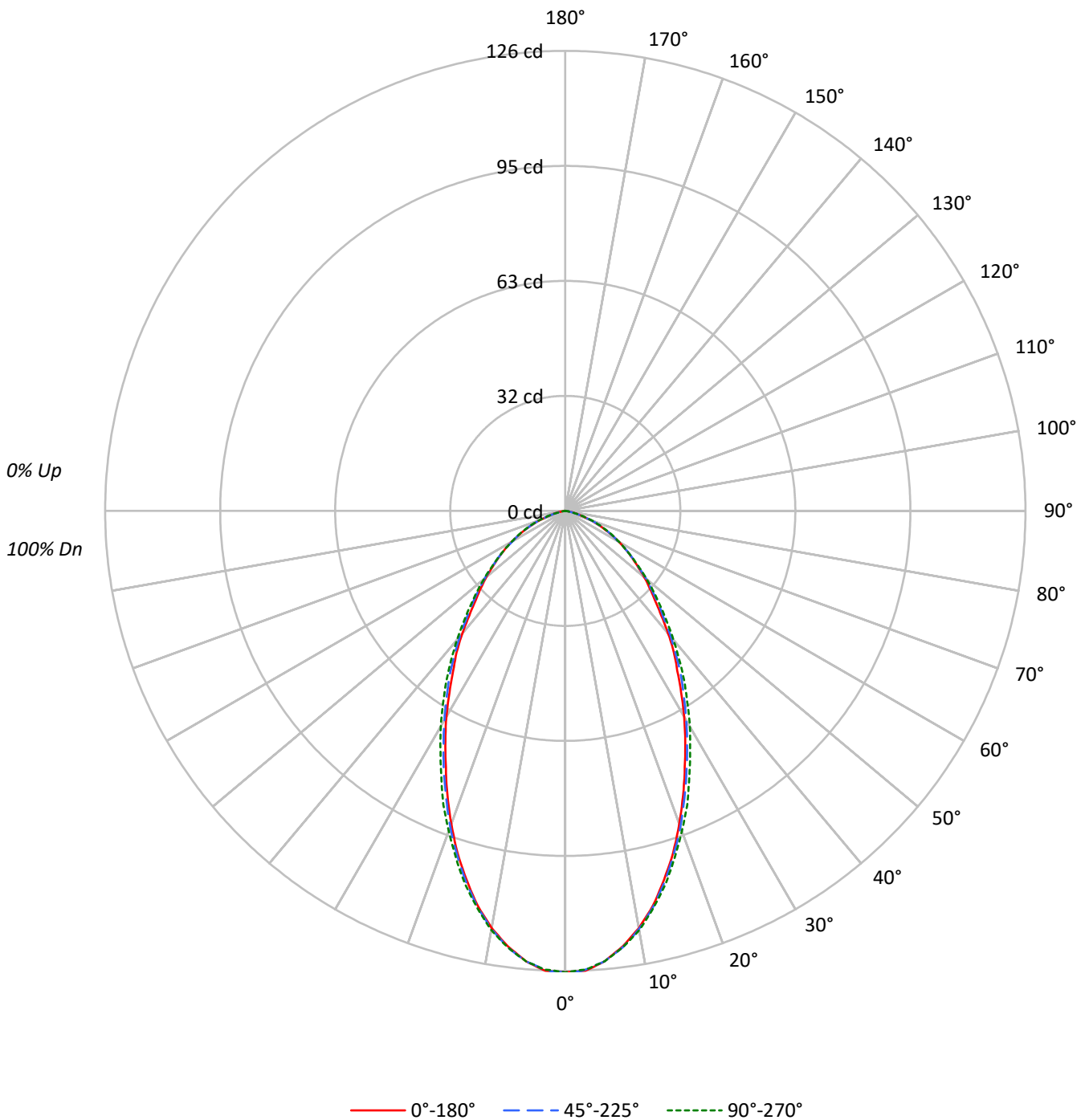
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R70B2750DE010 E3CLDWW1MW\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 176.0 lumens  
Efficiency: N/A  
Efficacy: 60.7 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 2.9  
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				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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89				89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78				78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69				69
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	61				61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55				55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	60	55	51	50				50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45				45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41				41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38				38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35				35

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

	0°	45°	90°
0°	27717	27717	27717
5°	27251	27251	27251
10°	25829	25896	25963
15°	23723	23859	24041
20°	21282	21492	21772
25°	18727	19017	19429
30°	16484	16762	17268
35°	14322	14803	15178
40°	12538	12853	13196
45°	10792	11164	11412
50°	9620	9825	9927
55°	8487	8602	8602
60°	7456	7324	7456
65°	6123	6278	6434
70°	4809	4809	5001
75°	3135	2965	2965
80°	1768	1515	1137
85°	755	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 11412 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.6	6.6
10°-20°	29.3	16.7
20°-30°	36.2	20.6
30°-40°	34.5	19.6
40°-50°	27.9	15.8
50°-60°	20.1	11.4
60°-70°	12.0	6.8
70°-80°	4.0	2.3
80°-90°	0.4	0.2
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°	77.1	43.8
0°-40°	111.6	63.4
0°-60°	159.6	90.7
0°-90°	176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	176.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	126	126	126	126	126	
5°	124	124	124	124	124	12
15°	104	105	105	105	106	29
25°	77	78	79	80	80	36
35°	54	54	55	56	57	34
45°	35	35	36	37	37	27
55°	22	22	22	22	22	20
65°	12	12	12	12	12	12
75°	4	4	4	4	4	4
85°	0	0	0	0	0	1
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°	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4	126.4
2°	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	125.8
2.5°	126.1	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	126.1	125.8
5°	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	124.1	123.8	123.8
7.5°	120.3	120.3	120.3	120.3	120.6	120.6	120.6	120.6	120.9	120.9	120.6
10°	116.0	116.0	116.0	116.0	116.3	116.3	116.6	116.3	116.3	116.6	116.6
12.5°	110.8	110.5	110.5	110.5	110.8	111.1	111.1	111.1	111.4	111.4	111.4
15°	104.5	104.5	104.5	104.8	104.8	105.1	105.3	105.3	105.6	105.6	105.9
17.5°	98.2	98.2	97.9	98.2	98.4	98.7	99.0	99.3	99.6	99.6	99.6
20°	91.2	91.0	91.2	91.5	91.8	92.1	92.4	93.0	93.3	93.3	93.3
22.5°	84.3	84.0	84.3	84.6	84.9	85.2	86.1	86.4	86.6	86.6	87.2
25°	77.4	77.4	77.7	78.0	78.3	78.6	79.2	79.7	80.0	80.3	80.3
27.5°	71.1	71.1	71.1	71.1	71.7	72.2	72.8	73.4	73.7	74.0	74.0
30°	65.1	64.8	64.8	65.1	65.6	66.2	66.8	67.4	67.6	67.9	68.2
32.5°	59.0	59.0	59.0	59.3	59.6	60.4	61.0	61.3	61.9	62.2	62.2
35°	53.5	53.5	53.5	54.1	54.7	55.3	55.6	56.1	56.7	56.7	56.7
37.5°	48.9	49.2	49.8	49.5	49.5	49.8	50.1	50.7	51.2	51.2	51.2
40°	43.8	44.0	44.3	44.0	44.3	44.9	45.2	45.5	45.8	46.1	46.1
42.5°	38.9	38.9	38.9	39.1	39.7	40.0	40.6	40.9	41.2	41.2	41.2
45°	34.8	34.8	35.1	35.4	35.7	36.0	36.3	36.6	36.8	36.8	36.8
47.5°	31.4	31.4	31.7	31.7	31.9	32.2	32.5	32.5	32.8	33.1	32.8
50°	28.2	28.2	28.2	28.5	28.5	28.8	28.8	29.1	29.1	29.1	29.1
52.5°	25.0	25.0	25.0	25.0	25.3	25.3	25.3	25.6	25.6	25.6	25.6
55°	22.2	22.2	22.2	22.2	22.2	22.5	22.5	22.5	22.5	22.5	22.5
57.5°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
60°	17.0	17.0	17.0	17.0	17.0	16.7	17.0	17.0	17.0	17.0	17.0
62.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.7	14.7	14.7	14.7
65°	11.8	12.1	12.1	12.1	12.1	12.1	12.1	12.4	12.4	12.4	12.4
67.5°	9.5	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.1	10.1	10.1
70°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.8
72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5
75°	3.7	3.7	3.7	3.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	2.6	2.6	2.6	2.3	2.3	2.0	2.0	2.0	2.0	2.0	1.7
80°	1.4	1.4	1.4	1.4	1.4	1.2	1.2	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3	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

(END OF REPORT)