

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\_5000K

Issue Date: 5/8/2026

**Test Information**

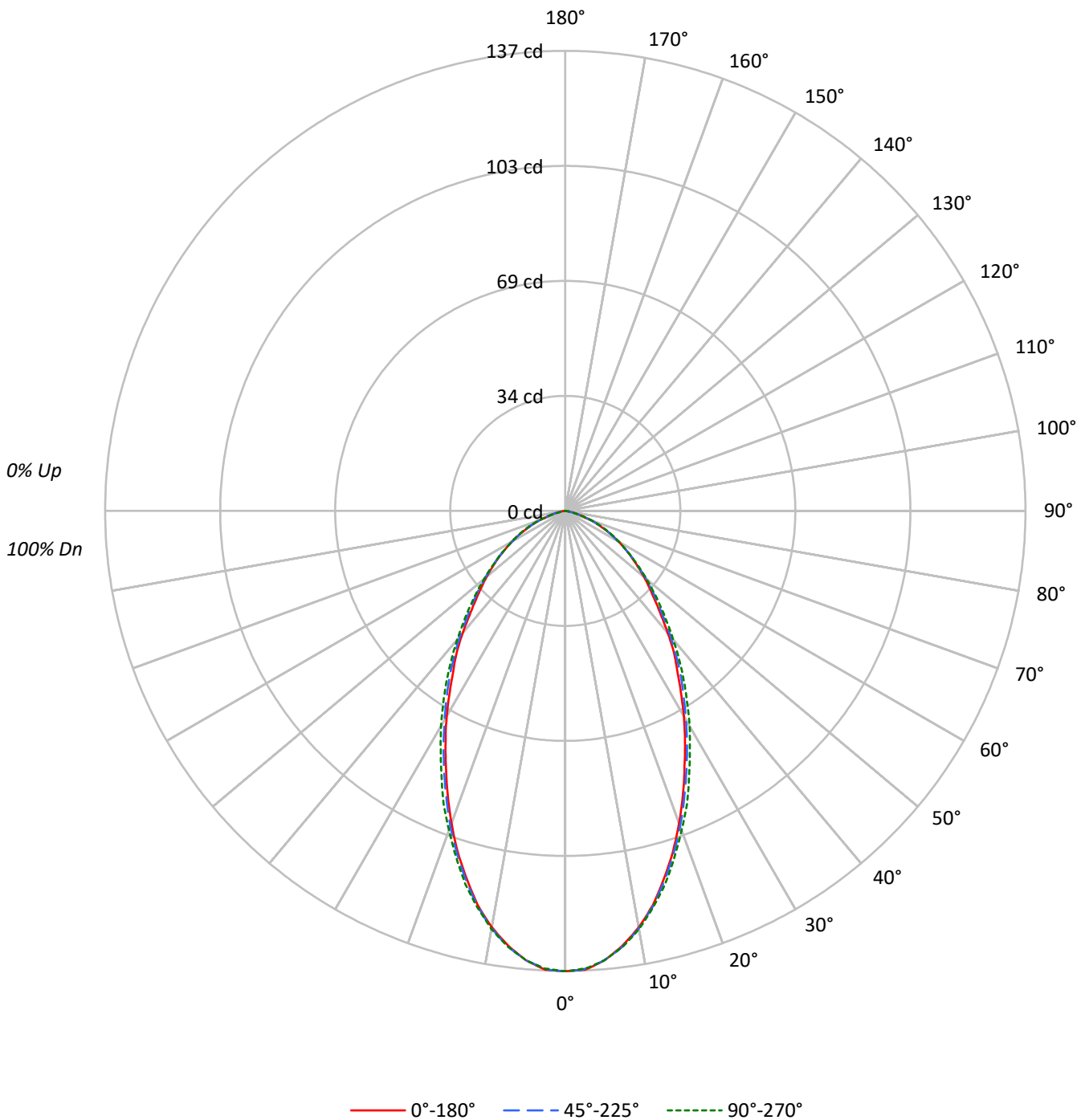
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R70B2750DE010 E3CLDWW1MW\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 190.9 lumens  
Efficiency: N/A  
Efficacy: 65.8 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				
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	97	97	95	94	94	92	91	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	65	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	30063	30063	30063
5°	29562	29562	29562
10°	28033	28100	28167
15°	25744	25880	26107
20°	23102	23335	23615
25°	20324	20638	21098
30°	17876	18180	18737
35°	15553	16062	16463
40°	13597	13940	14313
45°	11722	12094	12404
50°	10439	10644	10746
55°	9214	9328	9328
60°	8070	7938	8070
65°	6641	6797	6953
70°	5193	5193	5386
75°	3474	3135	3135
80°	2020	1515	1137
85°	755	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 12404 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.6	6.6
10°-20°	31.8	16.7
20°-30°	39.3	20.6
30°-40°	37.4	19.6
40°-50°	30.3	15.9
50°-60°	21.8	11.4
60°-70°	13.0	6.8
70°-80°	4.4	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°	83.7	43.8
0°-40°	121.1	63.4
0°-60°	173.2	90.7
0°-90°	190.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	190.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	137	137	137	137	137	
5°	134	134	134	134	134	13
15°	113	114	114	114	115	32
25°	84	85	85	87	87	39
35°	58	59	60	61	62	37
45°	38	38	39	40	40	29
55°	24	24	24	24	24	22
65°	13	13	13	13	13	13
75°	4	4	4	4	4	5
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°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
2°	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.8	136.5
2.5°	136.8	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.8	136.5
5°	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.6	134.3	134.3
7.5°	130.6	130.6	130.6	130.6	130.9	130.9	130.9	130.9	131.2	131.2	130.9
10°	125.9	125.9	125.9	125.9	126.2	126.2	126.5	126.2	126.2	126.5	126.5
12.5°	120.3	119.9	119.9	119.9	120.3	120.6	120.6	120.6	120.9	120.9	120.9
15°	113.4	113.4	113.4	113.7	113.7	114.0	114.3	114.3	114.6	114.6	115.0
17.5°	106.5	106.5	106.2	106.5	106.8	107.1	107.5	107.8	108.1	108.1	108.1
20°	99.0	98.7	99.0	99.3	99.6	100.0	100.3	100.9	101.2	101.2	101.2
22.5°	91.5	91.2	91.5	91.8	92.1	92.5	93.4	93.7	94.0	94.0	94.6
25°	84.0	84.0	84.3	84.7	85.0	85.3	85.9	86.5	86.8	87.2	87.2
27.5°	77.2	77.2	77.2	77.2	77.8	78.4	79.0	79.7	80.0	80.3	80.3
30°	70.6	70.3	70.3	70.6	71.2	71.8	72.5	73.1	73.4	73.7	74.0
32.5°	64.0	64.0	64.0	64.3	64.7	65.6	66.2	66.5	67.2	67.5	67.5
35°	58.1	58.1	58.1	58.7	59.3	60.0	60.3	60.9	61.5	61.5	61.5
37.5°	53.1	53.4	54.0	53.7	53.7	54.0	54.4	55.0	55.6	55.6	55.6
40°	47.5	47.8	48.1	47.8	48.1	48.7	49.0	49.4	49.7	50.0	50.0
42.5°	42.2	42.2	42.2	42.5	43.1	43.4	44.0	44.4	44.7	44.7	44.7
45°	37.8	37.8	38.1	38.4	38.7	39.0	39.4	39.7	40.0	40.0	40.0
47.5°	34.0	34.0	34.4	34.4	34.7	35.0	35.3	35.3	35.6	35.9	35.6
50°	30.6	30.6	30.6	30.9	30.9	31.2	31.2	31.5	31.5	31.5	31.5
52.5°	27.2	27.2	27.2	27.2	27.5	27.5	27.5	27.8	27.8	27.8	27.8
55°	24.1	24.1	24.1	24.1	24.1	24.4	24.4	24.4	24.4	24.4	24.4
57.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
60°	18.4	18.4	18.4	18.4	18.4	18.1	18.4	18.4	18.4	18.4	18.4
62.5°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.9	15.9	15.9	15.9
65°	12.8	13.1	13.1	13.1	13.1	13.1	13.1	13.4	13.4	13.4	13.4
67.5°	10.3	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.9	10.9	10.9
70°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.4
72.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	5.9	5.9
75°	4.1	4.1	4.1	4.1	3.7	3.7	3.7	3.7	3.7	3.7	3.7
77.5°	2.8	2.8	2.8	2.5	2.5	2.2	2.2	2.2	2.2	2.2	1.9
80°	1.6	1.6	1.6	1.6	1.6	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)