

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 E3LCWW1WMH\_2700K

Issue Date: 5/8/2026

**Test Information**

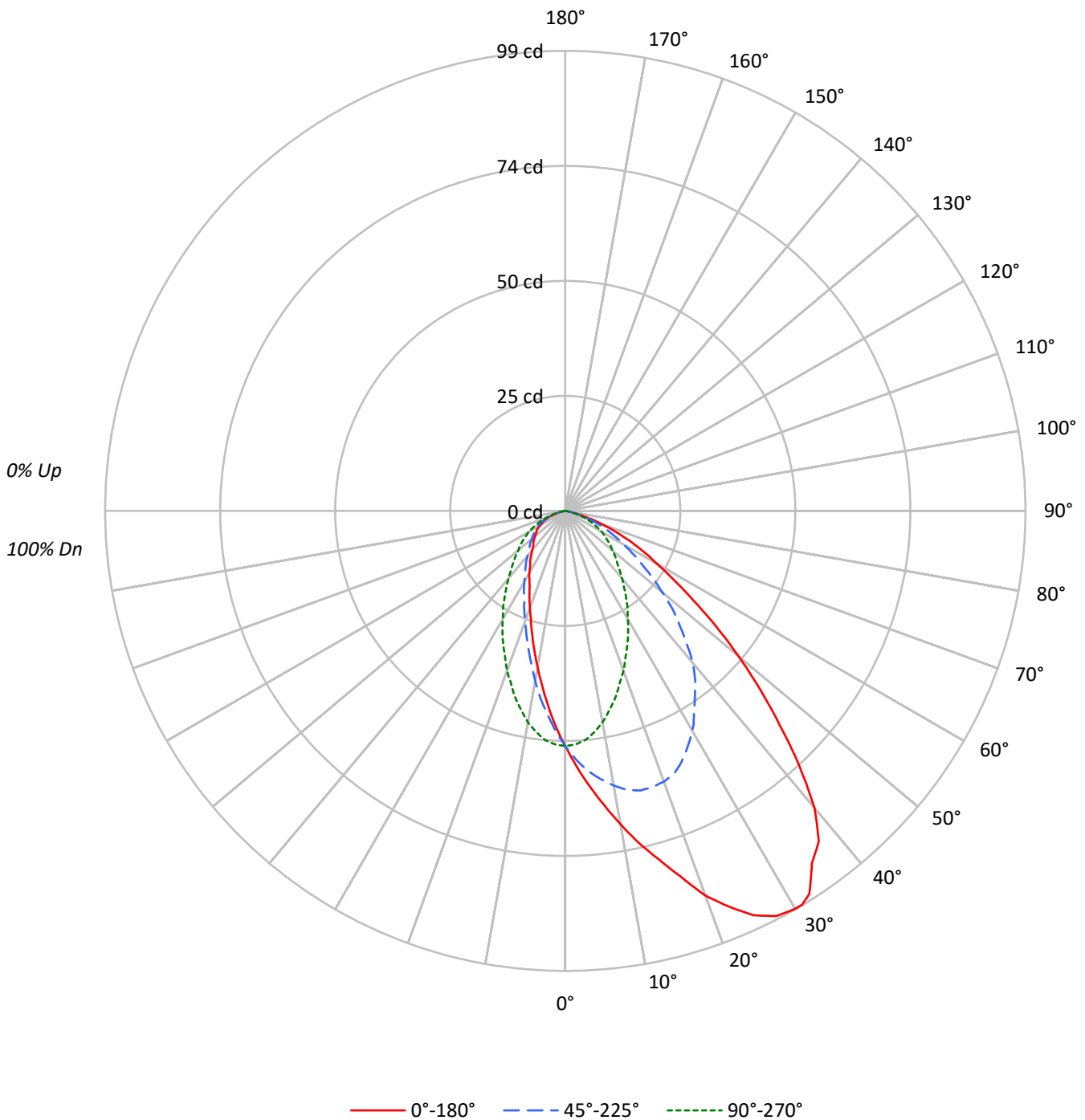
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R70B2750DE010 E3LCWW1WMH\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 103.0 lumens  
Efficiency: N/A  
Efficacy: 35.5 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): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66		
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46		
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41		
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34		
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31		

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

	0°	45°	90°	135°	180°
0°	11096	11096	11096	11096	11096
5°	13075	12371	10896	9663	9267
10°	15252	13360	10287	8283	7615
15°	17616	14143	9444	6969	6243
20°	20558	14468	8541	5881	5180
25°	23227	14372	7646	5033	4379
30°	25042	13850	6811	4456	3925
35°	24762	13010	6103	3989	3534
40°	23873	12223	5439	3607	3177
45°	20250	10792	4900	3349	3008
50°	16579	9279	4503	3207	2900
55°	12884	7723	4244	3135	2906
60°	9999	6403	3991	3070	2675
65°	7887	5292	3476	2906	2594
70°	5450	3911	2821	2436	2244
75°	2711	2203	1949	1694	1525
80°	379	758	1137	758	379
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20250 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.7	4.6
10°-20°	13.2	12.8
20°-30°	19.4	18.9
30°-40°	21.8	21.2
40°-50°	19.2	18.6
50°-60°	13.7	13.3
60°-70°	8.1	7.9
70°-80°	2.7	2.6
80°-90°	0.1	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
0°-30°	37.4	36.3
0°-40°	59.2	57.4
0°-60°	92.0	89.3
0°-90°	103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	103.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	51	51	51	51	51	
5°	59	56	50	44	42	6
15°	78	62	42	31	28	22
25°	96	59	32	21	18	44
35°	92	49	23	15	13	58
45°	65	35	16	11	10	50
55°	34	20	11	8	8	31
65°	15	10	7	6	5	15
75°	3	3	2	2	2	4
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°	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
2.5°	55.0	55.0	55.0	54.4	54.4	53.6	53.0	52.1	51.5	50.6	50.3
5°	59.4	59.4	58.8	58.2	57.4	56.2	54.7	53.3	51.5	50.0	49.5
7.5°	63.8	64.1	63.2	62.0	60.3	58.2	56.2	53.8	51.2	49.2	48.0
10°	68.5	68.5	67.3	65.6	62.9	60.0	56.8	53.6	50.3	47.4	46.2
12.5°	73.2	72.9	71.4	68.8	65.6	61.5	57.1	53.0	49.2	45.7	43.9
15°	77.6	77.6	75.5	72.3	67.6	62.3	57.1	51.8	47.4	43.3	41.6
17.5°	82.5	82.5	79.9	74.9	69.1	62.3	56.2	50.3	45.4	41.0	38.9
20°	88.1	87.8	84.0	77.3	69.7	62.0	55.0	48.6	43.0	38.3	36.6
22.5°	92.2	91.9	87.5	79.3	69.9	61.2	53.0	46.2	40.7	36.0	33.9
25°	96.0	95.4	90.4	80.2	69.4	59.4	50.9	43.6	38.3	33.7	31.6
27.5°	98.3	98.0	92.5	79.9	67.9	57.1	48.3	41.3	35.7	31.0	29.3
30°	98.9	99.2	92.5	78.4	65.6	54.7	45.7	38.6	33.1	29.0	26.9
31°	98.9	99.2	91.9	77.6	64.7	53.6	44.5	37.8	31.9	27.8	26.0
32.5°	97.7	97.2	91.0	76.1	62.6	51.5	43.0	36.3	30.4	26.3	24.9
35°	92.5	92.8	88.1	72.9	59.7	48.6	40.1	33.4	27.8	24.3	22.8
37.5°	89.6	89.6	81.1	68.5	56.5	45.9	36.6	30.1	25.5	22.2	20.8
40°	83.4	82.5	74.6	63.8	52.7	42.7	34.5	28.1	23.4	20.2	19.0
42.5°	74.6	73.7	67.6	59.7	47.7	38.6	32.8	24.9	21.1	18.4	17.3
45°	65.3	64.7	60.0	52.7	43.0	34.8	28.4	22.8	19.3	16.7	15.8
47.5°	56.8	55.9	52.4	46.8	38.9	31.3	24.6	20.5	17.3	15.2	14.6
50°	48.6	48.3	45.4	41.0	34.5	27.2	21.7	18.1	15.8	14.0	13.2
52.5°	41.0	40.4	38.9	35.4	30.1	23.7	19.0	16.1	14.0	12.9	12.3
55°	33.7	33.7	32.2	29.9	25.8	20.2	16.7	14.3	12.6	11.7	11.1
57.5°	27.8	27.8	26.6	25.2	21.4	17.3	14.6	12.6	11.4	10.5	10.0
60°	22.8	22.8	21.9	20.5	17.9	14.6	12.6	11.1	10.2	9.4	9.1
62.5°	19.0	18.7	18.1	16.7	14.6	12.3	10.8	9.7	8.8	8.2	7.9
65°	15.2	14.9	14.3	13.2	11.7	10.2	9.1	8.2	7.6	7.0	6.7
67.5°	11.7	11.7	11.1	10.2	9.1	8.2	7.3	6.7	6.1	5.9	5.6
70°	8.5	8.5	8.2	7.6	6.7	6.1	5.6	5.3	5.0	4.7	4.4
72.5°	5.9	5.9	5.6	5.3	4.7	4.4	3.8	3.8	3.5	3.5	3.2
75°	3.2	3.2	3.2	2.9	2.9	2.6	2.6	2.6	2.3	2.3	2.3
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
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°	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
2.5°	50.0	49.2	48.6	48.3	47.4	47.1	46.8	46.5	46.5	46.5
5°	48.9	47.4	45.9	45.1	43.9	43.3	42.7	42.4	42.1	42.1
7.5°	46.8	45.1	43.3	41.8	40.7	39.5	38.9	38.3	38.3	38.0
10°	44.8	42.4	40.4	38.3	37.2	35.7	35.1	34.5	34.2	34.2
12.5°	42.4	39.5	37.2	35.4	33.7	32.5	31.6	31.0	30.7	30.7
15°	39.8	36.9	34.2	32.5	30.7	29.3	28.4	27.8	27.5	27.5
17.5°	37.2	34.2	31.3	29.6	27.8	26.3	25.8	25.2	24.9	24.6
20°	34.8	31.3	29.0	26.6	25.2	24.0	23.1	22.5	22.2	22.2
22.5°	32.2	29.0	26.3	24.6	23.1	21.9	20.8	20.5	20.2	20.2
25°	29.6	26.6	24.3	22.5	20.8	19.9	19.0	18.4	18.4	18.1
27.5°	27.5	24.6	22.2	20.5	19.3	18.1	17.6	17.0	16.7	16.7
30°	25.2	22.5	20.5	19.0	17.6	16.7	16.1	15.5	15.5	15.5
31°	24.6	21.9	19.9	18.1	17.0	16.1	15.5	15.2	14.9	14.9
32.5°	23.1	20.8	18.7	17.3	16.1	15.2	14.6	14.3	14.3	14.0
35°	21.4	19.0	17.3	15.8	14.9	14.0	13.5	13.2	13.2	13.2
37.5°	19.6	17.6	15.8	14.6	13.8	12.9	12.6	12.0	12.0	12.0
40°	17.9	16.1	14.6	13.5	12.6	12.0	11.7	11.4	11.1	11.1
42.5°	16.4	14.6	13.5	12.6	11.7	11.1	10.8	10.5	10.5	10.2
45°	14.9	13.5	12.6	11.7	10.8	10.5	10.2	10.0	9.7	9.7
47.5°	13.8	12.6	11.4	10.8	10.2	9.7	9.4	9.4	9.1	9.1
50°	12.6	11.4	10.5	10.0	9.4	9.1	8.8	8.8	8.5	8.5
52.5°	11.7	10.5	10.0	9.4	8.8	8.5	8.2	8.2	7.9	7.9
55°	10.5	9.7	9.1	8.8	8.2	7.9	7.6	7.3	7.3	7.6
57.5°	9.7	9.1	8.5	8.2	7.6	7.3	7.0	7.0	6.7	7.0
60°	8.8	8.2	7.6	7.3	7.0	6.7	6.4	6.1	6.1	6.1
62.5°	7.9	7.3	7.0	6.4	6.1	6.1	5.9	5.9	5.9	5.6
65°	6.7	6.4	6.1	5.9	5.6	5.3	5.3	5.0	5.0	5.0
67.5°	5.6	5.3	5.0	5.0	4.7	4.4	4.4	4.4	4.4	4.1
70°	4.4	4.1	4.1	3.8	3.8	3.8	3.5	3.5	3.5	3.5
72.5°	3.2	3.2	2.9	2.9	2.9	2.9	2.6	2.6	2.6	2.6
75°	2.3	2.3	2.3	2.0	2.0	2.0	1.8	1.8	1.8	1.8
77.5°	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.2	1.2
80°	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	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)