

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\_3000K

Issue Date: 5/8/2026

**Test Information**

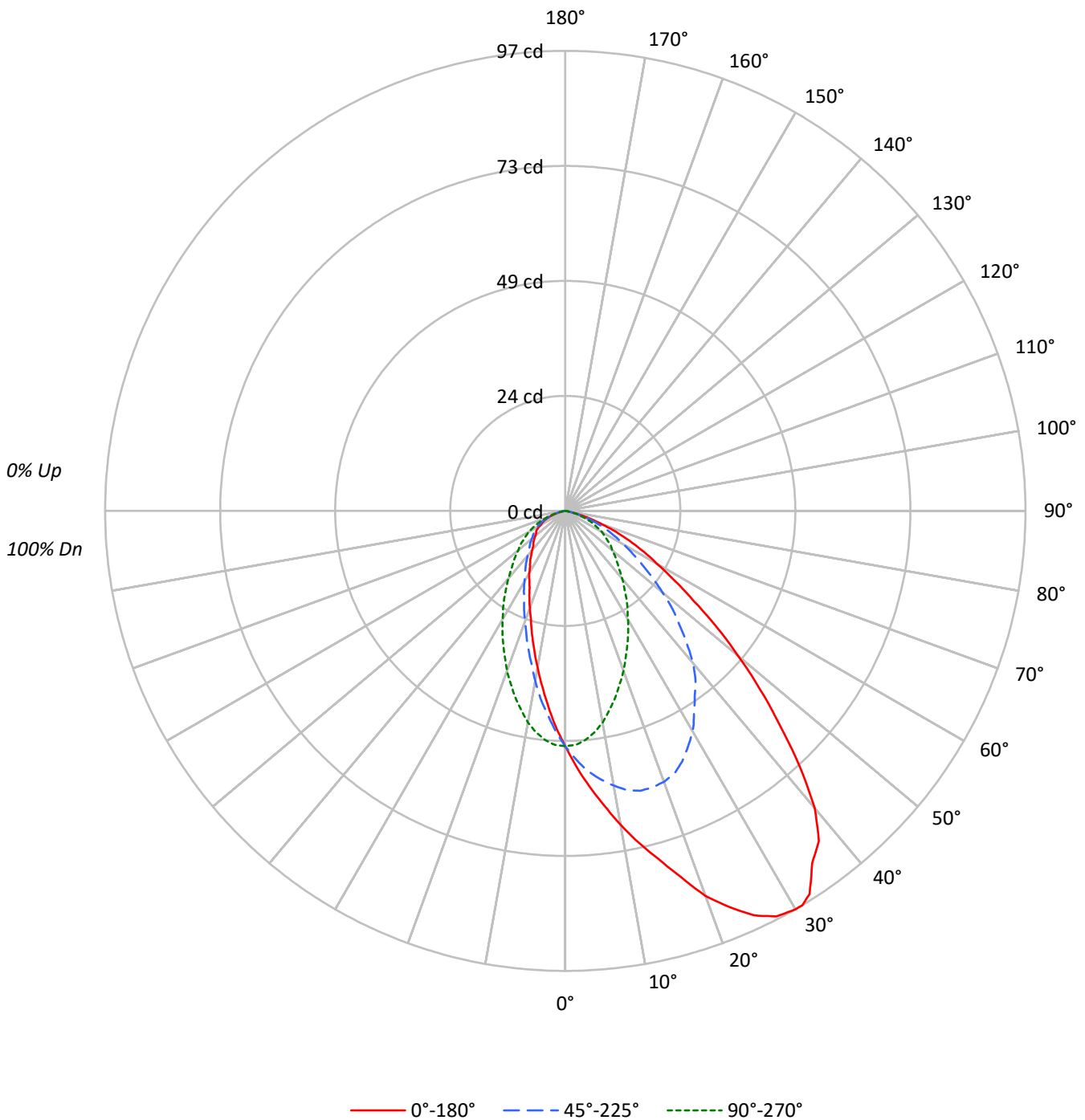
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R70B2750DE010 E3LCWW1WMH\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 101.0 lumens  
Efficiency: N/A  
Efficacy: 34.8 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 0.88 / 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°	10876	10876	10876	10876	10876
5°	12833	12129	10676	9465	9091
10°	14963	13093	10087	8105	7481
15°	17253	13871	9240	6833	6129
20°	20162	14188	8377	5764	5087
25°	22767	14106	7500	4936	4307
30°	24561	13597	6685	4355	3849
35°	24280	12742	5996	3908	3453
40°	23415	11994	5353	3521	3120
45°	19847	10575	4807	3287	2946
50°	16238	9108	4401	3138	2831
55°	12616	7570	4167	3058	2867
60°	9824	6271	3903	3026	2631
65°	7731	5189	3424	2854	2542
70°	5321	3847	2757	2372	2180
75°	2711	2203	1949	1694	1440
80°	379	758	1137	758	379
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19847 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.6	4.6
10°-20°	12.9	12.8
20°-30°	19.1	18.9
30°-40°	21.4	21.2
40°-50°	18.8	18.6
50°-60°	13.4	13.3
60°-70°	8.0	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°	36.6	36.3
0°-40°	58.0	57.4
0°-60°	90.2	89.3
0°-90°	101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	101.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	58	55	48	43	41	6
15°	76	61	41	30	27	22
25°	94	58	31	20	18	43
35°	91	48	22	15	13	57
45°	64	34	16	11	10	50
55°	33	20	11	8	8	30
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°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
2.5°	54.0	54.0	54.0	53.4	53.4	52.5	51.9	51.1	50.5	49.6	49.4
5°	58.3	58.3	57.7	57.1	56.2	55.1	53.7	52.2	50.5	49.1	48.5
7.5°	62.6	62.8	62.0	60.8	59.1	57.1	55.1	52.8	50.2	48.2	47.1
10°	67.2	67.2	66.0	64.3	61.7	58.8	55.7	52.5	49.4	46.5	45.3
12.5°	71.7	71.5	70.0	67.4	64.3	60.3	56.0	51.9	48.2	44.8	43.0
15°	76.0	76.0	74.0	70.9	66.3	61.1	56.0	50.8	46.5	42.5	40.7
17.5°	80.9	80.9	78.3	73.5	67.7	61.1	55.1	49.4	44.5	40.2	38.2
20°	86.4	86.1	82.4	75.8	68.3	60.8	54.0	47.6	42.2	37.6	35.9
22.5°	90.4	90.1	85.8	77.8	68.6	60.0	51.9	45.3	39.9	35.3	33.3
25°	94.1	93.6	88.7	78.6	68.0	58.3	49.9	42.8	37.6	33.0	31.0
27.5°	96.4	96.1	90.7	78.3	66.6	56.0	47.3	40.5	35.0	30.4	28.7
30°	97.0	97.3	90.7	76.9	64.3	53.7	44.8	37.9	32.4	28.4	26.4
31°	97.0	97.3	90.1	76.0	63.4	52.5	43.6	37.0	31.3	27.3	25.5
32.5°	95.8	95.3	89.2	74.6	61.4	50.5	42.2	35.6	29.8	25.8	24.4
35°	90.7	91.0	86.4	71.5	58.5	47.6	39.3	32.7	27.3	23.8	22.4
37.5°	87.8	87.8	79.5	67.2	55.4	45.1	35.9	29.6	25.0	21.8	20.4
40°	81.8	80.9	73.2	62.6	51.7	41.9	33.9	27.5	23.0	19.8	18.7
42.5°	73.2	72.3	66.3	58.5	46.8	37.9	32.1	24.4	20.7	18.1	16.9
45°	64.0	63.4	58.8	51.7	42.2	34.1	27.8	22.4	18.9	16.4	15.5
47.5°	55.7	54.8	51.4	45.9	38.2	30.7	24.1	20.1	16.9	14.9	14.3
50°	47.6	47.3	44.5	40.2	33.9	26.7	21.2	17.8	15.5	13.8	12.9
52.5°	40.2	39.6	38.2	34.7	29.6	23.2	18.7	15.8	13.8	12.6	12.1
55°	33.0	33.0	31.6	29.3	25.3	19.8	16.4	14.1	12.3	11.5	10.9
57.5°	27.3	27.3	26.1	24.7	20.9	16.9	14.3	12.3	11.2	10.3	9.8
60°	22.4	22.4	21.5	20.1	17.5	14.3	12.3	10.9	10.0	9.2	8.9
62.5°	18.7	18.4	17.8	16.4	14.3	12.1	10.6	9.5	8.6	8.0	7.7
65°	14.9	14.6	14.1	12.9	11.5	10.0	8.9	8.0	7.5	6.9	6.6
67.5°	11.5	11.5	10.9	10.0	8.9	8.0	7.2	6.6	6.0	5.7	5.5
70°	8.3	8.3	8.0	7.5	6.6	6.0	5.5	5.2	4.9	4.6	4.3
72.5°	5.7	5.7	5.5	5.2	4.6	4.3	3.7	3.7	3.4	3.4	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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
2.5°	49.1	48.2	47.6	47.3	46.5	46.2	45.9	45.6	45.6	45.6
5°	47.9	46.5	45.1	44.2	43.0	42.5	41.9	41.6	41.3	41.3
7.5°	45.9	44.2	42.5	41.0	39.9	38.7	38.2	37.6	37.6	37.3
10°	43.9	41.6	39.6	37.6	36.4	35.0	34.4	33.9	33.6	33.6
12.5°	41.6	38.7	36.4	34.7	33.0	31.9	31.0	30.4	30.1	30.1
15°	39.0	36.2	33.6	31.9	30.1	28.7	27.8	27.3	27.0	27.0
17.5°	36.4	33.6	30.7	29.0	27.3	25.8	25.3	24.7	24.4	24.1
20°	34.1	30.7	28.4	26.1	24.7	23.5	22.7	22.1	21.8	21.8
22.5°	31.6	28.4	25.8	24.1	22.7	21.5	20.4	20.1	19.8	19.8
25°	29.0	26.1	23.8	22.1	20.4	19.5	18.7	18.1	18.1	17.8
27.5°	27.0	24.1	21.8	20.1	18.9	17.8	17.2	16.6	16.4	16.4
30°	24.7	22.1	20.1	18.7	17.2	16.4	15.8	15.2	15.2	15.2
31°	24.1	21.5	19.5	17.8	16.6	15.8	15.2	14.9	14.6	14.6
32.5°	22.7	20.4	18.4	16.9	15.8	14.9	14.3	14.1	14.1	13.8
35°	20.9	18.7	16.9	15.5	14.6	13.8	13.2	12.9	12.9	12.9
37.5°	19.2	17.2	15.5	14.3	13.5	12.6	12.3	11.8	11.8	11.8
40°	17.5	15.8	14.3	13.2	12.3	11.8	11.5	11.2	10.9	10.9
42.5°	16.1	14.3	13.2	12.3	11.5	10.9	10.6	10.3	10.3	10.0
45°	14.6	13.2	12.3	11.5	10.6	10.3	10.0	9.8	9.5	9.5
47.5°	13.5	12.3	11.2	10.6	10.0	9.5	9.2	9.2	8.9	8.9
50°	12.3	11.2	10.3	9.8	9.2	8.9	8.6	8.6	8.3	8.3
52.5°	11.5	10.3	9.8	9.2	8.6	8.3	8.0	8.0	7.7	7.7
55°	10.3	9.5	8.9	8.6	8.0	7.7	7.5	7.2	7.2	7.5
57.5°	9.5	8.9	8.3	8.0	7.5	7.2	6.9	6.9	6.6	6.9
60°	8.6	8.0	7.5	7.2	6.9	6.6	6.3	6.0	6.0	6.0
62.5°	7.7	7.2	6.9	6.3	6.0	6.0	5.7	5.7	5.7	5.5
65°	6.6	6.3	6.0	5.7	5.5	5.2	5.2	4.9	4.9	4.9
67.5°	5.5	5.2	4.9	4.9	4.6	4.3	4.3	4.3	4.3	4.0
70°	4.3	4.0	4.0	3.7	3.7	3.7	3.4	3.4	3.4	3.4
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	1.7	1.7	1.7	1.7
77.5°	1.4	1.4	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.1
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)