

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: P3ART05R70B2750DE010 E3LSWW1WH\_3000K

Issue Date: 5/8/2026

**Test Information**

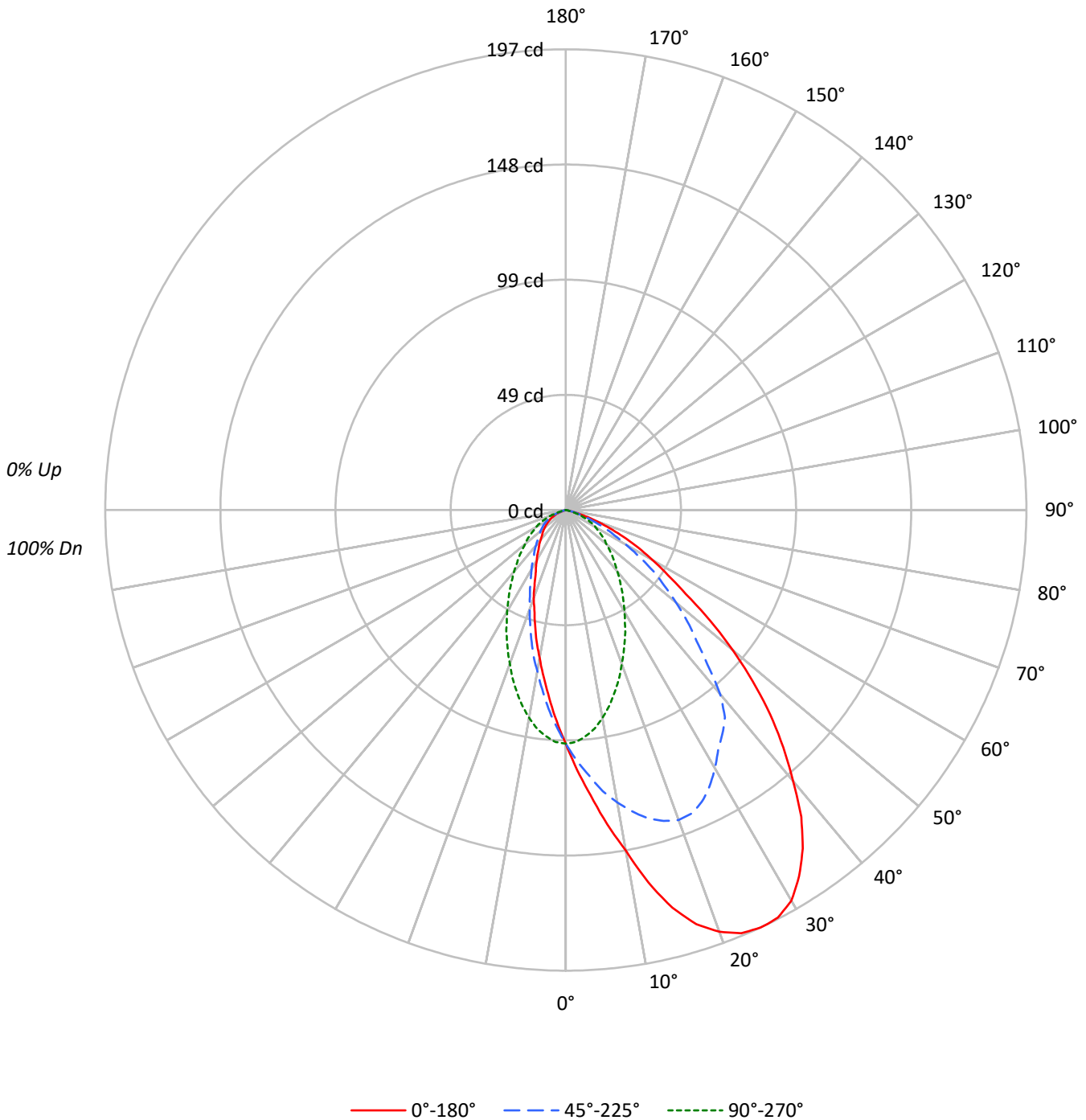
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R70B2750DE010 E3LSWW1WH\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LSWW1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 199.0 lumens  
Efficiency: N/A  
Efficacy: 33.7 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°	21906	21906	21906	21906	21906
5°	26964	25093	21373	18754	17764
10°	32932	28278	20107	15586	14317
15°	39978	31010	18320	12940	11532
20°	44781	32926	16335	10548	9357
25°	47664	33316	14469	8734	7379
30°	48868	32309	12711	7419	6279
35°	47301	31266	11190	6344	5434
40°	43310	29398	9847	5668	4838
45°	38330	24499	8745	5241	4373
50°	31760	20980	7710	4810	4060
55°	23970	17471	7111	4549	3670
60°	18814	13113	6447	4210	3201
65°	14061	9651	5552	3528	2646
70°	9040	6155	3975	2565	1475
75°	3813	3389	1949	932	508
80°	758	758	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 38330 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.5	4.8
10°-20°	27.3	13.7
20°-30°	39.9	20.0
30°-40°	43.5	21.8
40°-50°	37.6	18.9
50°-60°	25.2	12.7
60°-70°	13.0	6.5
70°-80°	3.1	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°	76.6	38.5
0°-40°	120.1	60.3
0°-60°	182.9	91.9
0°-90°	199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	199.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	100	100	100	100	100	
5°	122	114	97	85	81	12
15°	176	137	81	57	51	50
25°	197	138	60	36	30	90
35°	177	117	42	24	20	109
45°	124	79	28	17	14	95
55°	63	46	19	12	10	58
65°	27	19	11	7	5	27
75°	4	4	2	1	1	6
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°	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.5°	111.2	110.6	110.6	109.5	108.4	107.2	105.5	103.9	102.2	100.5	99.3
5°	122.5	123.0	122.5	120.2	117.4	114.0	110.6	106.7	102.7	99.3	97.1
7.5°	135.5	135.5	133.8	130.9	127.0	121.3	115.7	108.9	102.7	97.1	94.3
10°	147.9	147.9	145.1	140.5	134.3	127.0	119.1	110.1	101.6	93.7	90.3
12.5°	163.1	162.6	159.2	151.8	142.8	132.1	121.3	110.1	99.9	90.3	85.8
15°	176.1	175.5	171.0	162.0	150.1	136.6	121.9	108.9	96.5	85.8	80.7
17.5°	185.7	184.6	179.5	169.9	156.3	139.4	122.5	106.7	92.6	80.7	75.6
20°	191.9	191.3	185.7	174.4	159.7	141.1	121.9	103.9	88.6	75.6	70.0
22.5°	195.9	194.7	189.1	176.7	159.7	140.5	119.7	99.9	83.5	70.6	64.9
25°	197.0	196.4	189.6	176.1	158.0	137.7	116.3	96.0	78.5	65.5	59.8
26°	197.0	196.4	189.6	175.5	156.9	136.0	114.6	94.3	76.8	63.2	58.1
27.5°	196.4	195.9	188.5	173.8	154.7	133.2	111.2	90.9	73.4	60.4	54.7
30°	193.0	191.9	184.6	169.9	149.6	127.6	105.5	85.8	68.3	55.3	50.2
32.5°	185.7	184.6	176.7	163.1	143.9	121.3	99.3	80.1	63.2	50.2	45.7
35°	176.7	175.5	167.6	154.7	136.0	116.8	92.6	73.9	57.6	46.3	41.8
37.5°	165.4	163.7	156.9	143.4	126.4	111.8	86.9	67.7	52.5	41.8	37.8
40°	151.3	150.7	144.5	132.1	115.1	102.7	83.5	67.7	48.0	37.8	34.4
42.5°	137.7	136.6	130.9	120.2	105.0	89.7	73.4	64.9	44.6	33.9	31.0
45°	123.6	122.5	117.4	108.4	94.3	79.0	79.0	55.9	38.4	31.0	28.2
47.5°	108.4	107.2	103.3	96.5	84.1	70.6	57.6	45.7	35.0	27.7	25.4
50°	93.1	93.7	90.3	83.5	73.9	61.5	49.7	38.4	29.9	24.8	22.6
52.5°	77.9	77.3	75.1	70.6	63.8	53.1	42.3	32.7	26.0	22.0	20.9
55°	62.7	63.2	62.1	59.3	53.6	45.7	35.6	28.2	23.1	19.8	18.6
57.5°	51.9	52.5	50.2	48.5	44.0	37.3	29.3	23.7	19.8	17.5	16.4
60°	42.9	43.5	41.8	39.5	36.1	29.9	23.7	19.8	17.5	15.8	14.7
62.5°	35.0	34.4	33.3	31.0	28.2	23.7	19.2	16.4	14.7	13.5	13.0
65°	27.1	27.1	26.0	24.3	22.0	18.6	15.2	13.5	12.4	11.3	10.7
67.5°	20.3	20.3	19.2	18.1	15.8	13.5	11.9	10.7	10.2	9.0	8.5
70°	14.1	14.1	13.5	13.0	11.3	9.6	9.0	7.9	7.3	6.8	6.2
72.5°	9.0	9.0	9.0	7.9	7.3	6.2	6.2	5.6	5.1	4.5	4.5
75°	4.5	5.1	4.5	4.5	4.0	4.0	3.4	3.4	2.8	2.8	2.3
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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°	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.5°	98.2	96.5	95.4	93.7	92.6	91.4	90.9	90.3	90.3	90.3
5°	95.4	92.6	89.7	86.9	85.2	83.5	81.8	81.3	80.7	80.7
7.5°	92.0	87.5	83.5	80.1	77.3	75.6	73.9	72.8	72.2	72.2
10°	87.5	81.8	77.3	72.8	70.0	67.7	66.6	64.9	64.9	64.3
12.5°	82.4	75.6	70.6	66.6	63.8	61.0	59.3	58.1	57.6	57.6
15°	76.8	70.0	64.3	59.8	57.0	54.2	52.5	51.4	50.8	50.8
17.5°	71.1	63.8	58.1	53.6	50.8	48.0	46.3	45.2	45.2	44.6
20°	65.5	58.1	52.5	48.0	45.2	42.9	41.2	40.1	39.5	40.1
22.5°	60.4	53.1	47.4	43.5	40.1	37.8	36.1	35.6	35.0	35.0
25°	54.7	48.0	42.9	38.9	36.1	33.9	32.2	31.6	31.0	30.5
26°	53.1	46.3	41.2	37.3	34.4	32.2	31.0	29.9	29.3	29.3
27.5°	50.8	43.5	38.9	35.0	32.2	30.5	28.8	28.2	27.7	27.7
30°	45.7	39.5	35.0	31.6	29.3	27.1	26.0	25.4	24.8	24.8
32.5°	41.8	35.6	31.6	28.8	26.5	24.8	23.7	22.6	22.6	22.6
35°	37.8	32.2	28.8	26.0	23.7	22.0	21.4	20.9	20.3	20.3
37.5°	34.4	29.3	26.0	23.7	22.0	20.3	19.2	18.6	18.6	18.6
40°	31.0	27.1	23.7	21.4	19.8	18.6	17.5	16.9	16.9	16.9
42.5°	28.2	24.3	22.0	19.8	18.1	16.9	16.4	15.8	15.2	15.2
45°	26.0	22.6	19.8	18.1	16.9	15.8	14.7	14.1	14.1	14.1
47.5°	23.1	20.9	18.1	16.4	15.2	14.1	13.5	13.0	13.0	13.0
50°	21.4	19.2	16.9	15.2	14.1	13.0	12.4	11.9	11.9	11.9
52.5°	19.2	17.5	15.8	14.1	13.0	11.9	11.3	10.7	10.7	10.7
55°	17.5	15.8	14.1	13.0	11.9	10.7	10.2	9.6	9.6	9.6
57.5°	15.8	14.1	13.0	11.9	10.7	10.2	9.0	9.0	8.5	8.5
60°	14.1	12.4	11.3	10.7	9.6	9.0	7.9	7.3	7.3	7.3
62.5°	11.9	11.3	10.2	9.0	7.9	7.3	6.8	6.2	6.2	6.2
65°	10.2	9.6	8.5	7.3	6.8	6.2	5.6	5.1	5.1	5.1
67.5°	8.5	7.3	6.8	6.2	5.6	5.1	4.5	4.0	3.4	4.0
70°	6.2	5.6	5.1	4.5	4.0	3.4	2.8	2.8	2.3	2.3
72.5°	4.0	3.4	3.4	2.8	2.3	2.3	1.7	1.7	1.1	1.1
75°	2.3	2.3	1.7	1.7	1.1	1.1	0.6	0.6	0.6	0.6
77.5°	1.1	0.6	0.6	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)