

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 E3LSWW1WMH_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: P3ART02R70B2750DE010 E3LSWW1WMH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LSWW1WMH TRIM
Light Source: -
Ballast/Driver: -

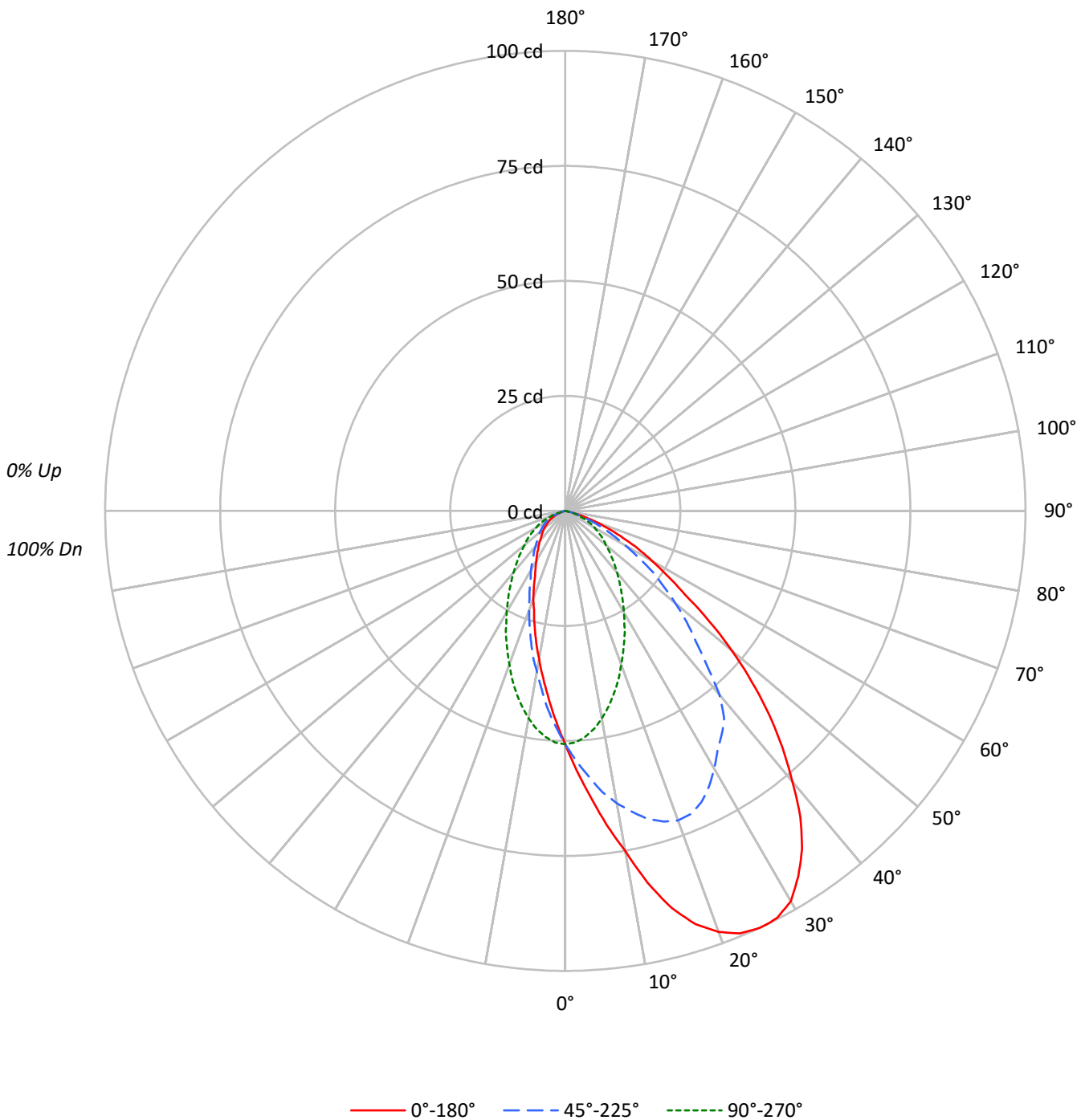
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 101.0 lumens
Efficiency: N/A
Efficacy: 34.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11118	11118	11118	11118	11118
5°	13691	12745	10852	9531	9025
10°	16722	14362	10198	7905	7281
15°	20295	15732	9308	6561	5857
20°	22729	16708	8284	5344	4737
25°	24195	16912	7355	4428	3750
30°	24814	16382	6457	3773	3190
35°	24012	15874	5675	3212	2757
40°	21984	14914	5009	2863	2462
45°	19444	12435	4435	2667	2233
50°	16136	10644	3923	2456	2047
55°	12157	8869	3632	2294	1873
60°	9561	6666	3245	2149	1623
65°	7160	4929	2802	1764	1349
70°	4616	3142	2052	1282	705
75°	1949	1694	932	508	254
80°	379	379	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19444 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	4.8
10°-20°	13.8	13.7
20°-30°	20.2	20.0
30°-40°	22.1	21.8
40°-50°	19.1	18.9
50°-60°	12.8	12.7
60°-70°	6.6	6.5
70°-80°	1.6	1.6
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°	38.9	38.5
0°-40°	61.0	60.3
0°-60°	92.8	91.9
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°	51	51	51	51	51	
5°	62	58	49	43	41	6
15°	89	69	41	29	26	25
25°	100	70	30	18	16	46
35°	90	59	21	12	10	56
45°	63	40	14	9	7	48
55°	32	23	10	6	5	29
65°	14	10	5	3	3	14
75°	2	2	1	1	0	3
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°	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
2.5°	56.4	56.1	56.1	55.6	55.0	54.4	53.6	52.7	51.8	51.0	50.4
5°	62.2	62.4	62.2	61.0	59.6	57.9	56.1	54.1	52.1	50.4	49.3
7.5°	68.8	68.8	67.9	66.5	64.5	61.6	58.7	55.3	52.1	49.3	47.8
10°	75.1	75.1	73.6	71.3	68.2	64.5	60.4	55.9	51.6	47.6	45.8
12.5°	82.8	82.5	80.8	77.1	72.5	67.0	61.6	55.9	50.7	45.8	43.5
15°	89.4	89.1	86.8	82.2	76.2	69.3	61.9	55.3	49.0	43.5	41.0
17.5°	94.2	93.7	91.1	86.2	79.4	70.8	62.2	54.1	47.0	41.0	38.4
20°	97.4	97.1	94.2	88.5	81.1	71.6	61.9	52.7	45.0	38.4	35.5
22.5°	99.4	98.8	96.0	89.7	81.1	71.3	60.7	50.7	42.4	35.8	32.9
25°	100.0	99.7	96.3	89.4	80.2	69.9	59.0	48.7	39.8	33.2	30.4
26°	100.0	99.7	96.3	89.1	79.6	69.0	58.2	47.8	39.0	32.1	29.5
27.5°	99.7	99.4	95.7	88.2	78.5	67.6	56.4	46.1	37.2	30.7	27.8
30°	98.0	97.4	93.7	86.2	75.9	64.7	53.6	43.5	34.7	28.1	25.5
32.5°	94.2	93.7	89.7	82.8	73.0	61.6	50.4	40.7	32.1	25.5	23.2
35°	89.7	89.1	85.1	78.5	69.0	59.3	47.0	37.5	29.2	23.5	21.2
37.5°	83.9	83.1	79.6	72.8	64.2	56.7	44.1	34.4	26.6	21.2	19.2
40°	76.8	76.5	73.3	67.0	58.4	52.1	42.4	34.4	24.3	19.2	17.5
42.5°	69.9	69.3	66.5	61.0	53.3	45.5	37.2	32.9	22.6	17.2	15.8
45°	62.7	62.2	59.6	55.0	47.8	40.1	40.1	28.4	19.5	15.8	14.3
47.5°	55.0	54.4	52.4	49.0	42.7	35.8	29.2	23.2	17.8	14.0	12.9
50°	47.3	47.6	45.8	42.4	37.5	31.2	25.2	19.5	15.2	12.6	11.5
52.5°	39.5	39.2	38.1	35.8	32.4	26.9	21.5	16.6	13.2	11.2	10.6
55°	31.8	32.1	31.5	30.1	27.2	23.2	18.0	14.3	11.7	10.0	9.5
57.5°	26.4	26.6	25.5	24.6	22.3	18.9	14.9	12.0	10.0	8.9	8.3
60°	21.8	22.1	21.2	20.1	18.3	15.2	12.0	10.0	8.9	8.0	7.4
62.5°	17.8	17.5	16.9	15.8	14.3	12.0	9.7	8.3	7.4	6.9	6.6
65°	13.8	13.8	13.2	12.3	11.2	9.5	7.7	6.9	6.3	5.7	5.4
67.5°	10.3	10.3	9.7	9.2	8.0	6.9	6.0	5.4	5.2	4.6	4.3
70°	7.2	7.2	6.9	6.6	5.7	4.9	4.6	4.0	3.7	3.4	3.2
72.5°	4.6	4.6	4.6	4.0	3.7	3.2	3.2	2.9	2.6	2.3	2.3
75°	2.3	2.6	2.3	2.3	2.0	2.0	1.7	1.7	1.4	1.4	1.1
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.6
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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°	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
2.5°	49.8	49.0	48.4	47.6	47.0	46.4	46.1	45.8	45.8	45.8
5°	48.4	47.0	45.5	44.1	43.3	42.4	41.5	41.3	41.0	41.0
7.5°	46.7	44.4	42.4	40.7	39.2	38.4	37.5	37.0	36.7	36.7
10°	44.4	41.5	39.2	37.0	35.5	34.4	33.8	32.9	32.9	32.7
12.5°	41.8	38.4	35.8	33.8	32.4	30.9	30.1	29.5	29.2	29.2
15°	39.0	35.5	32.7	30.4	28.9	27.5	26.6	26.1	25.8	25.8
17.5°	36.1	32.4	29.5	27.2	25.8	24.3	23.5	22.9	22.9	22.6
20°	33.2	29.5	26.6	24.3	22.9	21.8	20.9	20.3	20.1	20.3
22.5°	30.7	26.9	24.1	22.1	20.3	19.2	18.3	18.0	17.8	17.8
25°	27.8	24.3	21.8	19.8	18.3	17.2	16.3	16.0	15.8	15.5
26°	26.9	23.5	20.9	18.9	17.5	16.3	15.8	15.2	14.9	14.9
27.5°	25.8	22.1	19.8	17.8	16.3	15.5	14.6	14.3	14.0	14.0
30°	23.2	20.1	17.8	16.0	14.9	13.8	13.2	12.9	12.6	12.6
32.5°	21.2	18.0	16.0	14.6	13.5	12.6	12.0	11.5	11.5	11.5
35°	19.2	16.3	14.6	13.2	12.0	11.2	10.9	10.6	10.3	10.3
37.5°	17.5	14.9	13.2	12.0	11.2	10.3	9.7	9.5	9.5	9.5
40°	15.8	13.8	12.0	10.9	10.0	9.5	8.9	8.6	8.6	8.6
42.5°	14.3	12.3	11.2	10.0	9.2	8.6	8.3	8.0	7.7	7.7
45°	13.2	11.5	10.0	9.2	8.6	8.0	7.4	7.2	7.2	7.2
47.5°	11.7	10.6	9.2	8.3	7.7	7.2	6.9	6.6	6.6	6.6
50°	10.9	9.7	8.6	7.7	7.2	6.6	6.3	6.0	6.0	6.0
52.5°	9.7	8.9	8.0	7.2	6.6	6.0	5.7	5.4	5.4	5.4
55°	8.9	8.0	7.2	6.6	6.0	5.4	5.2	4.9	4.9	4.9
57.5°	8.0	7.2	6.6	6.0	5.4	5.2	4.6	4.6	4.3	4.3
60°	7.2	6.3	5.7	5.4	4.9	4.6	4.0	3.7	3.7	3.7
62.5°	6.0	5.7	5.2	4.6	4.0	3.7	3.4	3.2	3.2	3.2
65°	5.2	4.9	4.3	3.7	3.4	3.2	2.9	2.6	2.6	2.6
67.5°	4.3	3.7	3.4	3.2	2.9	2.6	2.3	2.0	1.7	2.0
70°	3.2	2.9	2.6	2.3	2.0	1.7	1.4	1.4	1.1	1.1
72.5°	2.0	1.7	1.7	1.4	1.1	1.1	0.9	0.9	0.6	0.6
75°	1.1	1.1	0.9	0.9	0.6	0.6	0.3	0.3	0.3	0.3
77.5°	0.6	0.3	0.3	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)