

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 E3LCWW1WH_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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART02R70B2750DE010 E3LCWW1WH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3LCWW1WH TRIM
Light Source: -
Ballast/Driver: -

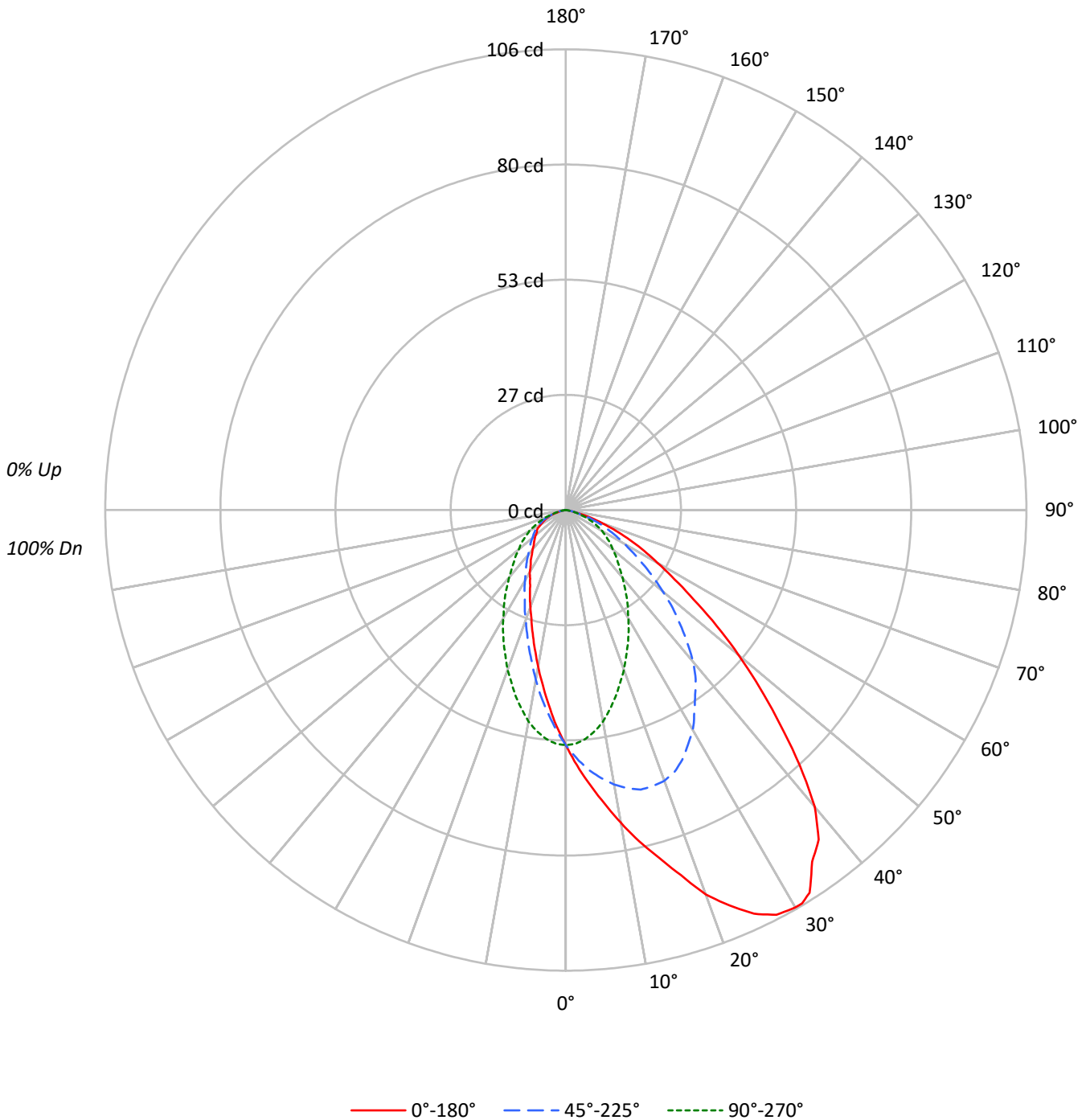
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 110.0 lumens
Efficiency: N/A
Efficacy: 37.9 lumens/watt
Spacing Criteria (0/90/45): 1.53 / 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	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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11863	11863	11863	11863	11863
5°	13955	13207	11622	10324	9905
10°	16277	14273	11000	8840	8149
15°	18797	15119	10080	7446	6674
20°	21959	15471	9124	6277	5554
25°	24800	15340	8178	5371	4694
30°	26738	14787	7292	4760	4203
35°	26448	13893	6532	4256	3774
40°	25505	13053	5811	3836	3406
45°	21615	11536	5241	3597	3194
50°	17705	9927	4810	3411	3104
55°	13725	8258	4549	3364	3097
60°	10701	6842	4254	3289	2895
65°	8457	5656	3736	3061	2750
70°	5834	4231	3013	2629	2436
75°	2881	2372	2118	1864	1610
80°	379	758	1137	758	379
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21615 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	4.6
10°-20°	14.1	12.8
20°-30°	20.8	18.9
30°-40°	23.3	21.2
40°-50°	20.5	18.6
50°-60°	14.6	13.3
60°-70°	8.7	7.9
70°-80°	2.9	2.7
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°	39.9	36.3
0°-40°	63.2	57.4
0°-60°	98.3	89.3
0°-90°	110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	110.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	54	54	54	54	54	
5°	63	60	53	47	45	6
15°	83	67	44	33	29	24
25°	102	63	34	22	19	47
35°	99	52	24	16	14	62
45°	70	37	17	12	10	54
55°	36	22	12	9	8	33
65°	16	11	7	6	5	16
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°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
2.5°	58.8	58.8	58.8	58.1	58.1	57.2	56.6	55.6	55.0	54.1	53.8
5°	63.4	63.4	62.8	62.2	61.3	60.0	58.4	56.9	55.0	53.4	52.8
7.5°	68.1	68.4	67.5	66.3	64.4	62.2	60.0	57.5	54.7	52.5	51.3
10°	73.1	73.1	71.9	70.0	67.2	64.1	60.6	57.2	53.8	50.6	49.4
12.5°	78.1	77.8	76.3	73.4	70.0	65.6	60.9	56.6	52.5	48.8	46.9
15°	82.8	82.8	80.6	77.2	72.2	66.6	60.9	55.3	50.6	46.3	44.4
17.5°	88.1	88.1	85.3	80.0	73.8	66.6	60.0	53.8	48.4	43.8	41.6
20°	94.1	93.8	89.7	82.5	74.4	66.3	58.8	51.9	45.9	40.9	39.1
22.5°	98.5	98.1	93.4	84.7	74.7	65.3	56.6	49.4	43.4	38.4	36.3
25°	102.5	101.9	96.6	85.6	74.1	63.4	54.4	46.6	40.9	35.9	33.8
27.5°	105.0	104.7	98.8	85.3	72.5	60.9	51.6	44.1	38.1	33.1	31.3
30°	105.6	106.0	98.8	83.8	70.0	58.4	48.8	41.3	35.3	30.9	28.8
31°	105.6	106.0	98.1	82.8	69.1	57.2	47.5	40.3	34.1	29.7	27.8
32.5°	104.4	103.8	97.2	81.3	66.9	55.0	45.9	38.8	32.5	28.1	26.6
35°	98.8	99.1	94.1	77.8	63.8	51.9	42.8	35.6	29.7	25.9	24.4
37.5°	95.6	95.6	86.6	73.1	60.3	49.1	39.1	32.2	27.2	23.8	22.2
40°	89.1	88.1	79.7	68.1	56.3	45.6	36.9	30.0	25.0	21.6	20.3
42.5°	79.7	78.8	72.2	63.8	50.9	41.3	35.0	26.6	22.5	19.7	18.4
45°	69.7	69.1	64.1	56.3	45.9	37.2	30.3	24.4	20.6	17.8	16.9
47.5°	60.6	59.7	55.9	50.0	41.6	33.4	26.3	21.9	18.4	16.3	15.6
50°	51.9	51.6	48.4	43.8	36.9	29.1	23.1	19.4	16.9	15.0	14.1
52.5°	43.8	43.1	41.6	37.8	32.2	25.3	20.3	17.2	15.0	13.8	13.1
55°	35.9	35.9	34.4	31.9	27.5	21.6	17.8	15.3	13.4	12.5	11.9
57.5°	29.7	29.7	28.4	26.9	22.8	18.4	15.6	13.4	12.2	11.3	10.6
60°	24.4	24.4	23.4	21.9	19.1	15.6	13.4	11.9	10.9	10.0	9.7
62.5°	20.3	20.0	19.4	17.8	15.6	13.1	11.6	10.3	9.4	8.8	8.4
65°	16.3	15.9	15.3	14.1	12.5	10.9	9.7	8.8	8.1	7.5	7.2
67.5°	12.5	12.5	11.9	10.9	9.7	8.8	7.8	7.2	6.6	6.3	5.9
70°	9.1	9.1	8.8	8.1	7.2	6.6	5.9	5.6	5.3	5.0	4.7
72.5°	6.3	6.3	5.9	5.6	5.0	4.7	4.1	4.1	3.8	3.8	3.4
75°	3.4	3.4	3.4	3.1	3.1	2.8	2.8	2.8	2.5	2.5	2.5
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
2.5°	53.4	52.5	51.9	51.6	50.6	50.3	50.0	49.7	49.7	49.7
5°	52.2	50.6	49.1	48.1	46.9	46.3	45.6	45.3	45.0	45.0
7.5°	50.0	48.1	46.3	44.7	43.4	42.2	41.6	40.9	40.9	40.6
10°	47.8	45.3	43.1	40.9	39.7	38.1	37.5	36.9	36.6	36.6
12.5°	45.3	42.2	39.7	37.8	35.9	34.7	33.8	33.1	32.8	32.8
15°	42.5	39.4	36.6	34.7	32.8	31.3	30.3	29.7	29.4	29.4
17.5°	39.7	36.6	33.4	31.6	29.7	28.1	27.5	26.9	26.6	26.3
20°	37.2	33.4	30.9	28.4	26.9	25.6	24.7	24.1	23.8	23.8
22.5°	34.4	30.9	28.1	26.3	24.7	23.4	22.2	21.9	21.6	21.6
25°	31.6	28.4	25.9	24.1	22.2	21.3	20.3	19.7	19.7	19.4
27.5°	29.4	26.3	23.8	21.9	20.6	19.4	18.8	18.1	17.8	17.8
30°	26.9	24.1	21.9	20.3	18.8	17.8	17.2	16.6	16.6	16.6
31°	26.3	23.4	21.3	19.4	18.1	17.2	16.6	16.3	15.9	15.9
32.5°	24.7	22.2	20.0	18.4	17.2	16.3	15.6	15.3	15.3	15.0
35°	22.8	20.3	18.4	16.9	15.9	15.0	14.4	14.1	14.1	14.1
37.5°	20.9	18.8	16.9	15.6	14.7	13.8	13.4	12.8	12.8	12.8
40°	19.1	17.2	15.6	14.4	13.4	12.8	12.5	12.2	11.9	11.9
42.5°	17.5	15.6	14.4	13.4	12.5	11.9	11.6	11.3	11.3	10.9
45°	15.9	14.4	13.4	12.5	11.6	11.3	10.9	10.6	10.3	10.3
47.5°	14.7	13.4	12.2	11.6	10.9	10.3	10.0	10.0	9.7	9.7
50°	13.4	12.2	11.3	10.6	10.0	9.7	9.4	9.4	9.1	9.1
52.5°	12.5	11.3	10.6	10.0	9.4	9.1	8.8	8.8	8.4	8.4
55°	11.3	10.3	9.7	9.4	8.8	8.4	8.1	7.8	7.8	8.1
57.5°	10.3	9.7	9.1	8.8	8.1	7.8	7.5	7.5	7.2	7.5
60°	9.4	8.8	8.1	7.8	7.5	7.2	6.9	6.6	6.6	6.6
62.5°	8.4	7.8	7.5	6.9	6.6	6.6	6.3	6.3	6.3	5.9
65°	7.2	6.9	6.6	6.3	5.9	5.6	5.6	5.3	5.3	5.3
67.5°	5.9	5.6	5.3	5.3	5.0	4.7	4.7	4.7	4.7	4.4
70°	4.7	4.4	4.4	4.1	4.1	4.1	3.8	3.8	3.8	3.8
72.5°	3.4	3.4	3.1	3.1	3.1	3.1	2.8	2.8	2.8	2.8
75°	2.5	2.5	2.5	2.2	2.2	2.2	1.9	1.9	1.9	1.9
77.5°	1.6	1.6	1.6	1.6	1.6	1.3	1.3	1.3	1.3	1.3
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)