

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: P3ART09R70B2750DE010 E3LCWW1H_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: P3ART09R70B2750DE010 E3LCWW1H_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

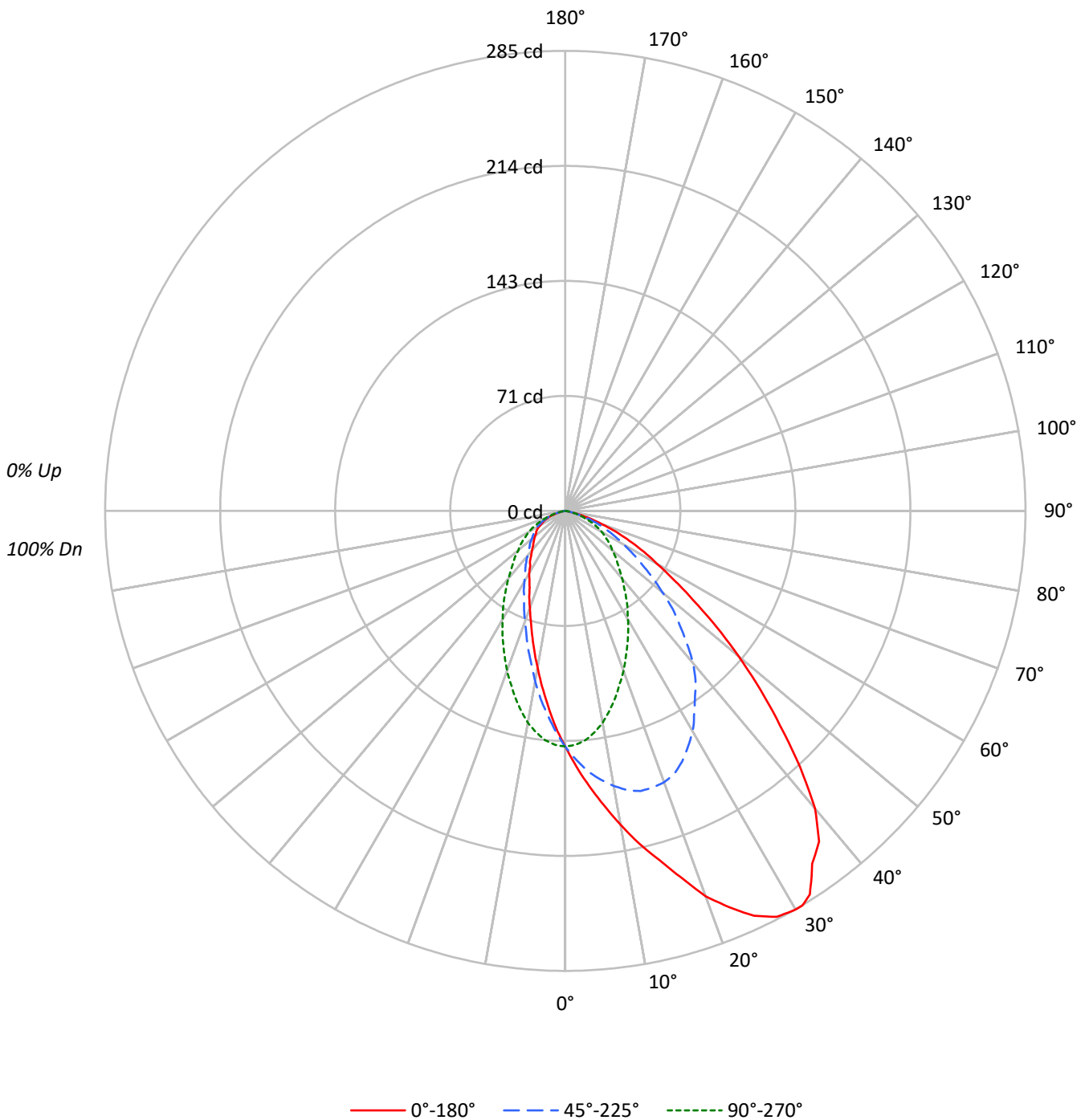
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 297.0 lumens
Efficiency: N/A
Efficacy: 22.7 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): 13.1
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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	78	78	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	68	68	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	60	60	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	53	53	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	47	47	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	43	43	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	39	39	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	35	35	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	32	32	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	32015	32015	32015	32015	32015
5°	37706	35659	31389	27867	26744
10°	43976	38521	29681	23870	21977
15°	50761	40795	27197	20114	18002
20°	59272	41747	24619	16941	14958
25°	66972	41446	22042	14493	12654
30°	72214	39956	19649	12812	11318
35°	71394	37504	17614	11511	10172
40°	68843	35266	15715	10391	9189
45°	58363	31135	14141	9675	8621
50°	47794	26780	12963	9211	8358
55°	37084	22250	12272	9022	8372
60°	28857	18507	11490	8903	7763
65°	22778	15306	10066	8302	7420
70°	15708	11348	8142	7052	6475
75°	7879	6439	5761	4999	4321
80°	1010	2147	3157	2147	1010
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 58363 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	4.6
10°-20°	38.0	12.8
20°-30°	56.1	18.9
30°-40°	62.8	21.2
40°-50°	55.2	18.6
50°-60°	39.5	13.3
60°-70°	23.4	7.9
70°-80°	7.9	2.6
80°-90°	0.4	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°	107.7	36.3
0°-40°	170.6	57.4
0°-60°	265.4	89.3
0°-90°	297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	297.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	146	146	146	146	146	
5°	171	162	143	127	122	17
15°	224	180	120	89	79	64
25°	277	171	91	60	52	127
35°	267	140	66	43	38	168
45°	188	100	46	31	28	146
55°	97	58	32	24	22	89
65°	44	30	19	16	14	44
75°	9	8	7	6	5	11
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0
2.5°	158.6	158.6	158.6	157.0	157.0	154.4	152.7	150.2	148.5	146.0	145.1
5°	171.3	171.3	169.6	167.9	165.4	162.0	157.8	153.6	148.5	144.3	142.6
7.5°	184.0	184.8	182.3	178.9	173.8	167.9	162.0	155.3	147.7	141.8	138.4
10°	197.5	197.5	194.1	189.0	181.4	173.0	163.7	154.4	145.1	136.7	133.3
12.5°	211.0	210.1	205.9	198.3	189.0	177.2	164.6	152.7	141.8	131.6	126.6
15°	223.6	223.6	217.7	208.4	194.9	179.7	164.6	149.4	136.7	124.9	119.8
17.5°	238.0	238.0	230.4	216.0	199.2	179.7	162.0	145.1	130.8	118.1	112.2
20°	254.0	253.2	242.2	222.8	200.8	178.9	158.6	140.1	124.0	110.5	105.5
22.5°	265.8	265.0	252.3	228.7	201.7	176.4	152.7	133.3	117.3	103.8	97.9
25°	276.8	275.1	260.8	231.2	200.0	171.3	146.8	125.7	110.5	97.0	91.1
27.5°	283.5	282.7	266.7	230.4	195.8	164.6	139.2	119.0	103.0	89.4	84.4
30°	285.2	286.1	266.7	226.2	189.0	157.8	131.6	111.4	95.4	83.5	77.6
31°	285.2	286.1	265.0	223.6	186.5	154.4	128.3	108.9	92.0	80.2	75.1
32.5°	281.8	280.2	262.4	219.4	180.6	148.5	124.0	104.6	87.8	75.9	71.7
35°	266.7	267.5	254.0	210.1	172.1	140.1	115.6	96.2	80.2	70.0	65.8
37.5°	258.2	258.2	233.7	197.5	162.9	132.5	105.5	86.9	73.4	64.1	59.9
40°	240.5	238.0	215.2	184.0	151.9	123.2	99.6	81.0	67.5	58.2	54.9
42.5°	215.2	212.7	194.9	172.1	137.5	111.4	94.5	71.7	60.8	53.2	49.8
45°	188.2	186.5	173.0	151.9	124.0	100.4	81.9	65.8	55.7	48.1	45.6
47.5°	163.7	161.2	151.1	135.0	112.2	90.3	70.9	59.1	49.8	43.9	42.2
50°	140.1	139.2	130.8	118.1	99.6	78.5	62.4	52.3	45.6	40.5	38.0
52.5°	118.1	116.5	112.2	102.1	86.9	68.4	54.9	46.4	40.5	37.1	35.4
55°	97.0	97.0	92.8	86.1	74.3	58.2	48.1	41.3	36.3	33.8	32.1
57.5°	80.2	80.2	76.8	72.6	61.6	49.8	42.2	36.3	32.9	30.4	28.7
60°	65.8	65.8	63.3	59.1	51.5	42.2	36.3	32.1	29.5	27.0	26.2
62.5°	54.9	54.0	52.3	48.1	42.2	35.4	31.2	27.8	25.3	23.6	22.8
65°	43.9	43.0	41.3	38.0	33.8	29.5	26.2	23.6	21.9	20.3	19.4
67.5°	33.8	33.8	32.1	29.5	26.2	23.6	21.1	19.4	17.7	16.9	16.0
70°	24.5	24.5	23.6	21.9	19.4	17.7	16.0	15.2	14.3	13.5	12.7
72.5°	16.9	16.9	16.0	15.2	13.5	12.7	11.0	11.0	10.1	10.1	9.3
75°	9.3	9.3	9.3	8.4	8.4	7.6	7.6	7.6	6.8	6.8	6.8
77.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
80°	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	2.5	2.5	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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°	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0
2.5°	144.3	141.8	140.1	139.2	136.7	135.9	135.0	134.2	134.2	134.2
5°	140.9	136.7	132.5	130.0	126.6	124.9	123.2	122.4	121.5	121.5
7.5°	135.0	130.0	124.9	120.7	117.3	113.9	112.2	110.5	110.5	109.7
10°	129.1	122.4	116.5	110.5	107.2	103.0	101.3	99.6	98.7	98.7
12.5°	122.4	113.9	107.2	102.1	97.0	93.7	91.1	89.4	88.6	88.6
15°	114.8	106.3	98.7	93.7	88.6	84.4	81.9	80.2	79.3	79.3
17.5°	107.2	98.7	90.3	85.2	80.2	75.9	74.3	72.6	71.7	70.9
20°	100.4	90.3	83.5	76.8	72.6	69.2	66.7	65.0	64.1	64.1
22.5°	92.8	83.5	75.9	70.9	66.7	63.3	59.9	59.1	58.2	58.2
25°	85.2	76.8	70.0	65.0	59.9	57.4	54.9	53.2	53.2	52.3
27.5°	79.3	70.9	64.1	59.1	55.7	52.3	50.6	48.9	48.1	48.1
30°	72.6	65.0	59.1	54.9	50.6	48.1	46.4	44.7	44.7	44.7
31°	70.9	63.3	57.4	52.3	48.9	46.4	44.7	43.9	43.0	43.0
32.5°	66.7	59.9	54.0	49.8	46.4	43.9	42.2	41.3	41.3	40.5
35°	61.6	54.9	49.8	45.6	43.0	40.5	38.8	38.0	38.0	38.0
37.5°	56.5	50.6	45.6	42.2	39.7	37.1	36.3	34.6	34.6	34.6
40°	51.5	46.4	42.2	38.8	36.3	34.6	33.8	32.9	32.1	32.1
42.5°	47.3	42.2	38.8	36.3	33.8	32.1	31.2	30.4	30.4	29.5
45°	43.0	38.8	36.3	33.8	31.2	30.4	29.5	28.7	27.8	27.8
47.5°	39.7	36.3	32.9	31.2	29.5	27.8	27.0	27.0	26.2	26.2
50°	36.3	32.9	30.4	28.7	27.0	26.2	25.3	25.3	24.5	24.5
52.5°	33.8	30.4	28.7	27.0	25.3	24.5	23.6	23.6	22.8	22.8
55°	30.4	27.8	26.2	25.3	23.6	22.8	21.9	21.1	21.1	21.9
57.5°	27.8	26.2	24.5	23.6	21.9	21.1	20.3	20.3	19.4	20.3
60°	25.3	23.6	21.9	21.1	20.3	19.4	18.6	17.7	17.7	17.7
62.5°	22.8	21.1	20.3	18.6	17.7	17.7	16.9	16.9	16.9	16.0
65°	19.4	18.6	17.7	16.9	16.0	15.2	15.2	14.3	14.3	14.3
67.5°	16.0	15.2	14.3	14.3	13.5	12.7	12.7	12.7	12.7	11.8
70°	12.7	11.8	11.8	11.0	11.0	11.0	10.1	10.1	10.1	10.1
72.5°	9.3	9.3	8.4	8.4	8.4	8.4	7.6	7.6	7.6	7.6
75°	6.8	6.8	6.8	5.9	5.9	5.9	5.1	5.1	5.1	5.1
77.5°	4.2	4.2	4.2	4.2	4.2	3.4	3.4	3.4	3.4	3.4
80°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	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)