

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: P3ART13R70B2750DE010 E3LSWW1WMH_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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART13R70B2750DE010 E3LSWW1WMH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LSWW1WMH TRIM
Light Source: -
Ballast/Driver: -

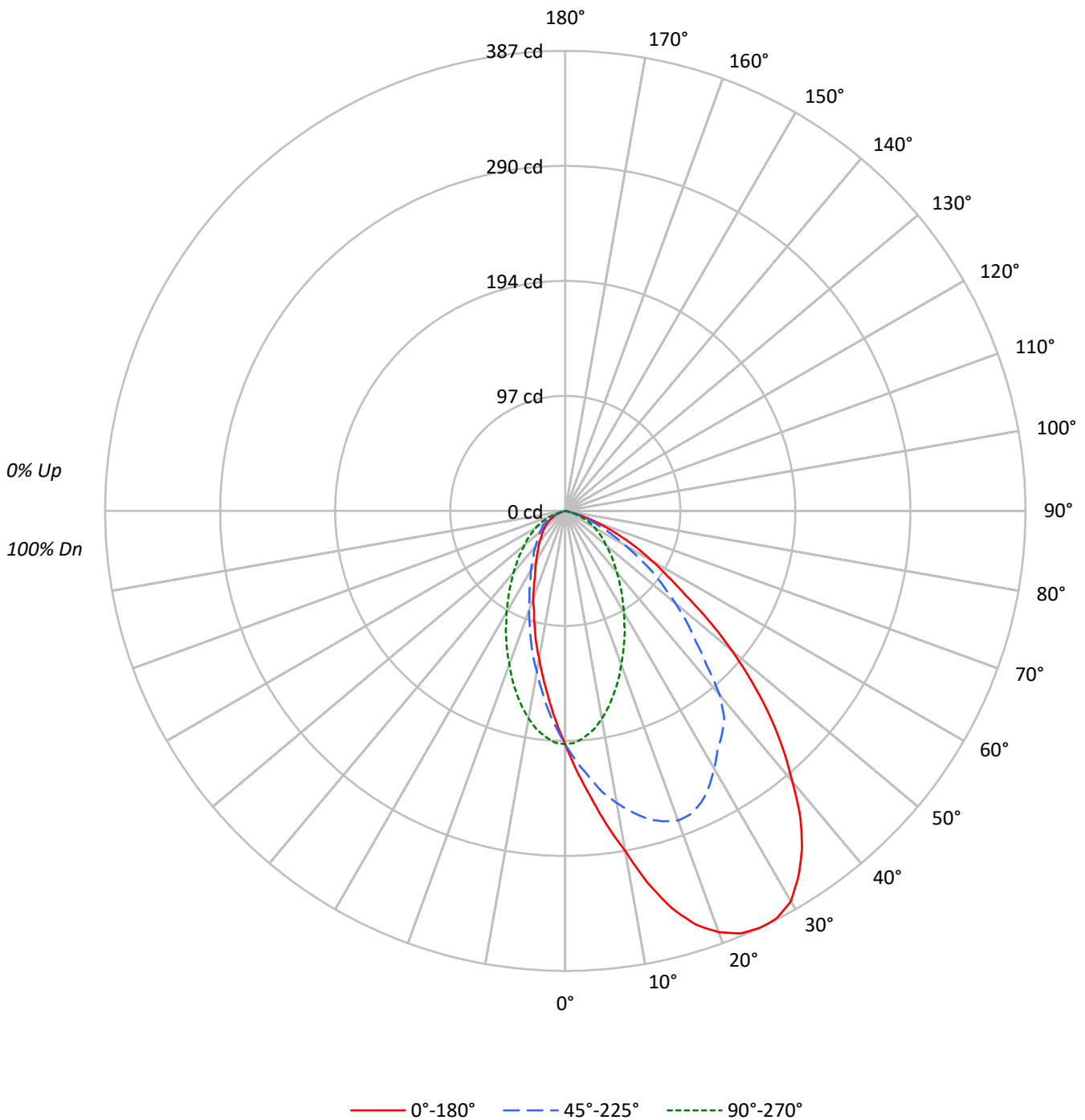
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 391.0 lumens
Efficiency: N/A
Efficacy: 20.5 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): 19.1
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	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°	43045	43045	43045	43045	43045
5°	52960	49306	41977	36870	34911
10°	64706	55555	39500	30616	28145
15°	78548	60931	36005	25426	22656
20°	87998	64686	32086	20698	18365
25°	93634	65472	28453	17178	14493
30°	96040	63453	24991	14610	12356
35°	92916	61462	21978	12474	10681
40°	85074	57765	19351	11107	9532
45°	75326	48160	17180	10327	8590
50°	62429	41244	15147	9450	7949
55°	47062	34331	13992	8908	7226
60°	36971	25787	12631	8289	6315
65°	27603	18990	10948	6901	5189
70°	17759	12117	7822	5001	2821
75°	7540	6608	3728	1864	932
80°	1389	1389	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75326 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	4.8
10°-20°	53.6	13.7
20°-30°	78.4	20.0
30°-40°	85.4	21.8
40°-50°	73.9	18.9
50°-60°	49.5	12.7
60°-70°	25.6	6.5
70°-80°	6.0	1.5
80°-90°	0.1	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°	150.6	38.5
0°-40°	236.0	60.3
0°-60°	359.3	91.9
0°-90°	391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	391.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	196	196	196	196	196	
5°	241	224	191	168	159	25
15°	346	268	159	112	100	98
25°	387	271	118	71	60	178
35°	347	230	82	47	40	215
45°	243	155	55	33	28	186
55°	123	90	37	23	19	114
65°	53	37	21	13	10	54
75°	9	8	4	2	1	12
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°	196.3	196.3	196.3	196.3	196.3	196.3	196.3	196.3	196.3	196.3	196.3
2.5°	218.5	217.4	217.4	215.1	212.9	210.7	207.4	204.1	200.7	197.4	195.2
5°	240.6	241.8	240.6	236.2	230.7	224.0	217.4	209.6	201.8	195.2	190.7
7.5°	266.2	266.2	262.8	257.3	249.5	238.4	227.3	214.0	201.8	190.7	185.2
10°	290.6	290.6	285.0	276.1	263.9	249.5	234.0	216.3	199.6	184.1	177.4
12.5°	320.5	319.4	312.7	298.3	280.6	259.5	238.4	216.3	196.3	177.4	168.6
15°	346.0	344.9	336.0	318.3	295.0	268.4	239.5	214.0	189.6	168.6	158.6
17.5°	364.9	362.6	352.7	333.8	307.2	273.9	240.6	209.6	181.9	158.6	148.6
20°	377.1	375.9	364.9	342.7	313.8	277.2	239.5	204.1	174.1	148.6	137.5
22.5°	384.8	382.6	371.5	347.1	313.8	276.1	235.1	196.3	164.1	138.6	127.5
25°	387.0	385.9	372.6	346.0	310.5	270.6	228.4	188.5	154.1	128.6	117.6
26°	387.0	385.9	372.6	344.9	308.3	267.3	225.1	185.2	150.8	124.2	114.2
27.5°	385.9	384.8	370.4	341.6	303.9	261.7	218.5	178.5	144.2	118.7	107.6
30°	379.3	377.1	362.6	333.8	293.9	250.6	207.4	168.6	134.2	108.7	98.7
32.5°	364.9	362.6	347.1	320.5	282.8	238.4	195.2	157.5	124.2	98.7	89.8
35°	347.1	344.9	329.4	303.9	267.3	229.6	181.9	145.3	113.1	90.9	82.1
37.5°	324.9	321.6	308.3	281.7	248.4	219.6	170.8	133.1	103.1	82.1	74.3
40°	297.2	296.1	283.9	259.5	226.2	201.8	164.1	133.1	94.3	74.3	67.6
42.5°	270.6	268.4	257.3	236.2	206.3	176.3	144.2	127.5	87.6	66.5	61.0
45°	242.9	240.6	230.7	212.9	185.2	155.3	127.5	109.8	75.4	61.0	55.4
47.5°	212.9	210.7	202.9	189.6	165.2	138.6	113.1	89.8	68.8	54.3	49.9
50°	183.0	184.1	177.4	164.1	145.3	120.9	97.6	75.4	58.8	48.8	44.4
52.5°	153.0	151.9	147.5	138.6	125.3	104.2	83.2	64.3	51.0	43.3	41.0
55°	123.1	124.2	122.0	116.4	105.4	89.8	69.9	55.4	45.5	38.8	36.6
57.5°	102.0	103.1	98.7	95.4	86.5	73.2	57.7	46.6	38.8	34.4	32.2
60°	84.3	85.4	82.1	77.6	71.0	58.8	46.6	38.8	34.4	31.1	28.8
62.5°	68.8	67.6	65.4	61.0	55.4	46.6	37.7	32.2	28.8	26.6	25.5
65°	53.2	53.2	51.0	47.7	43.3	36.6	29.9	26.6	24.4	22.2	21.1
67.5°	39.9	39.9	37.7	35.5	31.1	26.6	23.3	21.1	20.0	17.7	16.6
70°	27.7	27.7	26.6	25.5	22.2	18.9	17.7	15.5	14.4	13.3	12.2
72.5°	17.7	17.7	17.7	15.5	14.4	12.2	12.2	11.1	10.0	8.9	8.9
75°	8.9	10.0	8.9	8.9	7.8	7.8	6.7	6.7	5.5	5.5	4.4
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	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°	196.3	196.3	196.3	196.3	196.3	196.3	196.3	196.3	196.3	196.3
2.5°	193.0	189.6	187.4	184.1	181.9	179.7	178.5	177.4	177.4	177.4
5°	187.4	181.9	176.3	170.8	167.5	164.1	160.8	159.7	158.6	158.6
7.5°	180.8	171.9	164.1	157.5	151.9	148.6	145.3	143.1	141.9	141.9
10°	171.9	160.8	151.9	143.1	137.5	133.1	130.9	127.5	127.5	126.4
12.5°	161.9	148.6	138.6	130.9	125.3	119.8	116.4	114.2	113.1	113.1
15°	150.8	137.5	126.4	117.6	112.0	106.5	103.1	100.9	99.8	99.8
17.5°	139.7	125.3	114.2	105.4	99.8	94.3	90.9	88.7	88.7	87.6
20°	128.6	114.2	103.1	94.3	88.7	84.3	81.0	78.7	77.6	78.7
22.5°	118.7	104.2	93.2	85.4	78.7	74.3	71.0	69.9	68.8	68.8
25°	107.6	94.3	84.3	76.5	71.0	66.5	63.2	62.1	61.0	59.9
26°	104.2	90.9	81.0	73.2	67.6	63.2	61.0	58.8	57.7	57.7
27.5°	99.8	85.4	76.5	68.8	63.2	59.9	56.6	55.4	54.3	54.3
30°	89.8	77.6	68.8	62.1	57.7	53.2	51.0	49.9	48.8	48.8
32.5°	82.1	69.9	62.1	56.6	52.1	48.8	46.6	44.4	44.4	44.4
35°	74.3	63.2	56.6	51.0	46.6	43.3	42.1	41.0	39.9	39.9
37.5°	67.6	57.7	51.0	46.6	43.3	39.9	37.7	36.6	36.6	36.6
40°	61.0	53.2	46.6	42.1	38.8	36.6	34.4	33.3	33.3	33.3
42.5°	55.4	47.7	43.3	38.8	35.5	33.3	32.2	31.1	29.9	29.9
45°	51.0	44.4	38.8	35.5	33.3	31.1	28.8	27.7	27.7	27.7
47.5°	45.5	41.0	35.5	32.2	29.9	27.7	26.6	25.5	25.5	25.5
50°	42.1	37.7	33.3	29.9	27.7	25.5	24.4	23.3	23.3	23.3
52.5°	37.7	34.4	31.1	27.7	25.5	23.3	22.2	21.1	21.1	21.1
55°	34.4	31.1	27.7	25.5	23.3	21.1	20.0	18.9	18.9	18.9
57.5°	31.1	27.7	25.5	23.3	21.1	20.0	17.7	17.7	16.6	16.6
60°	27.7	24.4	22.2	21.1	18.9	17.7	15.5	14.4	14.4	14.4
62.5°	23.3	22.2	20.0	17.7	15.5	14.4	13.3	12.2	12.2	12.2
65°	20.0	18.9	16.6	14.4	13.3	12.2	11.1	10.0	10.0	10.0
67.5°	16.6	14.4	13.3	12.2	11.1	10.0	8.9	7.8	6.7	7.8
70°	12.2	11.1	10.0	8.9	7.8	6.7	5.5	5.5	4.4	4.4
72.5°	7.8	6.7	6.7	5.5	4.4	4.4	3.3	3.3	2.2	2.2
75°	4.4	4.4	3.3	3.3	2.2	2.2	1.1	1.1	1.1	1.1
77.5°	2.2	1.1	1.1	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)