

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 E3CLSWW1MMS_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: P3ART09R70B2750DE010 E3CLSWW1MMS_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

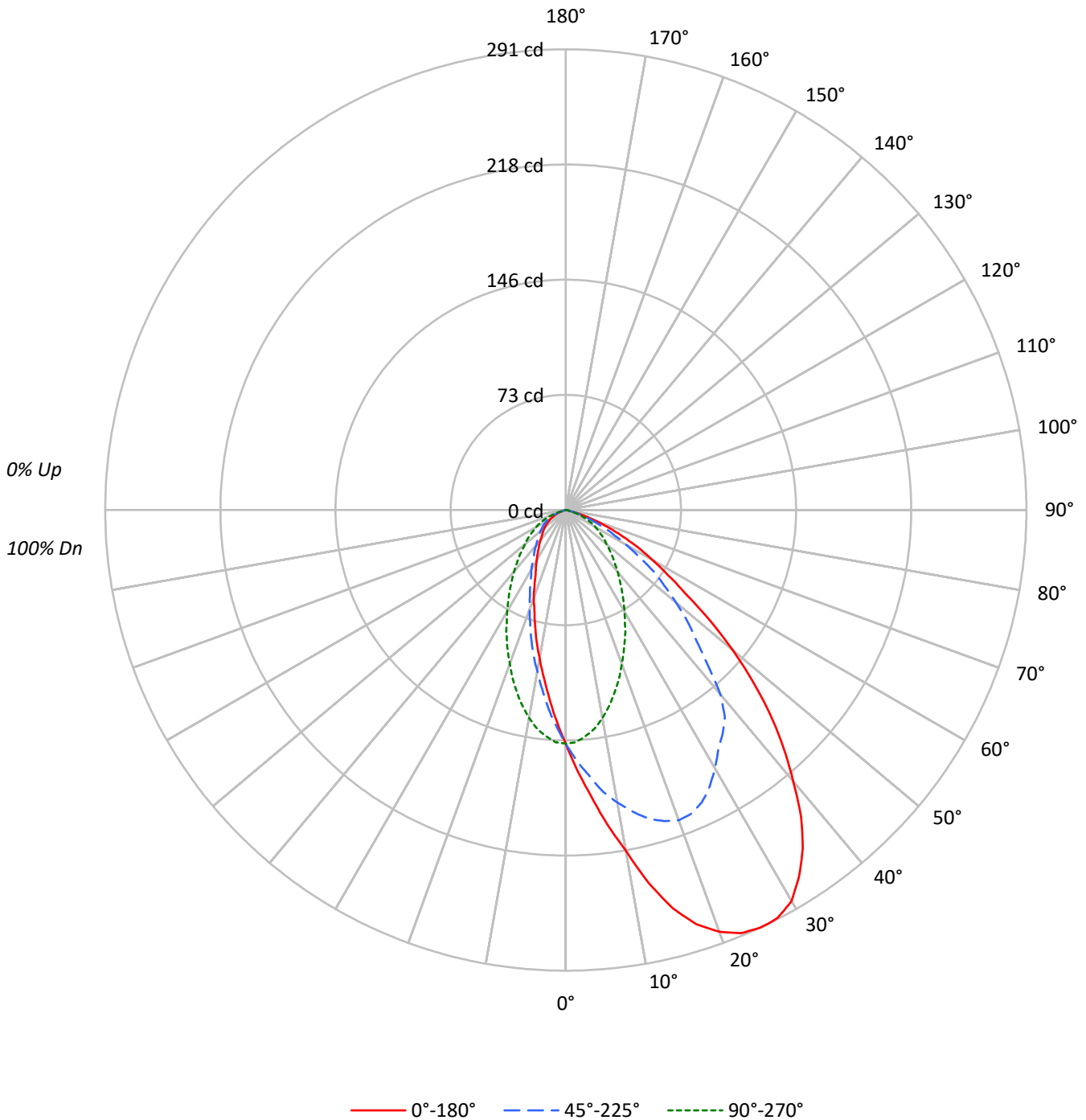
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 294.0 lumens
Efficiency: N/A
Efficacy: 22.4 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): 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	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	90	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°	32366	32366	32366	32366	32366
5°	39819	37068	31565	27713	26238
10°	48652	41772	29703	23023	21175
15°	59070	45812	27060	19115	17026
20°	66156	48654	24129	15565	13815
25°	70407	49237	21388	12920	10888
30°	72214	47729	18788	10989	9293
35°	69868	46204	16517	9369	8031
40°	63977	43453	14570	8359	7156
45°	56626	36190	12932	7753	6450
50°	46941	31010	11394	7096	5970
55°	35401	25806	10513	6690	5429
60°	27805	19384	9517	6228	4736
65°	20754	14269	8198	5189	3891
70°	13336	9104	5898	3719	2116
75°	5676	4914	2796	1440	678
80°	1010	1010	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 56626 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	4.8
10°-20°	40.3	13.7
20°-30°	58.9	20.0
30°-40°	64.2	21.8
40°-50°	55.6	18.9
50°-60°	37.2	12.7
60°-70°	19.2	6.5
70°-80°	4.5	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°	113.2	38.5
0°-40°	177.4	60.4
0°-60°	270.2	91.9
0°-90°	294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	294.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	148	148	148	148	148	
5°	181	168	143	126	119	18
15°	260	202	119	84	75	74
25°	291	204	88	53	45	134
35°	261	173	62	35	30	162
45°	183	117	42	25	21	140
55°	93	68	28	18	14	86
65°	40	28	16	10	8	40
75°	7	6	3	2	1	9
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°	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6
2.5°	164.3	163.4	163.4	161.8	160.1	158.4	155.9	153.4	150.9	148.4	146.8
5°	180.9	181.8	180.9	177.6	173.4	168.4	163.4	157.6	151.8	146.8	143.4
7.5°	200.1	200.1	197.6	193.5	187.6	179.3	170.9	160.9	151.8	143.4	139.3
10°	218.5	218.5	214.3	207.6	198.5	187.6	175.9	162.6	150.1	138.4	133.4
12.5°	241.0	240.2	235.1	224.3	211.0	195.1	179.3	162.6	147.6	133.4	126.7
15°	260.2	259.3	252.7	239.3	221.8	201.8	180.1	160.9	142.6	126.7	119.2
17.5°	274.3	272.7	265.2	251.0	231.0	206.0	180.9	157.6	136.8	119.2	111.7
20°	283.5	282.7	274.3	257.7	236.0	208.5	180.1	153.4	130.9	111.7	103.4
22.5°	289.3	287.7	279.3	261.0	236.0	207.6	176.8	147.6	123.4	104.2	95.9
25°	291.0	290.2	280.2	260.2	233.5	203.5	171.8	141.8	115.9	96.7	88.4
26°	291.0	290.2	280.2	259.3	231.8	201.0	169.3	139.3	113.4	93.4	85.9
27.5°	290.2	289.3	278.5	256.8	228.5	196.8	164.3	134.3	108.4	89.2	80.9
30°	285.2	283.5	272.7	251.0	221.0	188.5	155.9	126.7	100.9	81.7	74.2
32.5°	274.3	272.7	261.0	241.0	212.6	179.3	146.8	118.4	93.4	74.2	67.5
35°	261.0	259.3	247.7	228.5	201.0	172.6	136.8	109.2	85.1	68.4	61.7
37.5°	244.3	241.8	231.8	211.8	186.8	165.1	128.4	100.1	77.5	61.7	55.9
40°	223.5	222.6	213.5	195.1	170.1	151.8	123.4	100.1	70.9	55.9	50.9
42.5°	203.5	201.8	193.5	177.6	155.1	132.6	108.4	95.9	65.9	50.0	45.9
45°	182.6	180.9	173.4	160.1	139.3	116.7	116.7	82.6	56.7	45.9	41.7
47.5°	160.1	158.4	152.6	142.6	124.2	104.2	85.1	67.5	51.7	40.9	37.5
50°	137.6	138.4	133.4	123.4	109.2	90.9	73.4	56.7	44.2	36.7	33.4
52.5°	115.1	114.2	110.9	104.2	94.2	78.4	62.5	48.4	38.4	32.5	30.9
55°	92.6	93.4	91.7	87.6	79.2	67.5	52.5	41.7	34.2	29.2	27.5
57.5°	76.7	77.5	74.2	71.7	65.0	55.0	43.4	35.0	29.2	25.8	24.2
60°	63.4	64.2	61.7	58.4	53.4	44.2	35.0	29.2	25.8	23.3	21.7
62.5°	51.7	50.9	49.2	45.9	41.7	35.0	28.4	24.2	21.7	20.0	19.2
65°	40.0	40.0	38.4	35.9	32.5	27.5	22.5	20.0	18.3	16.7	15.8
67.5°	30.0	30.0	28.4	26.7	23.3	20.0	17.5	15.8	15.0	13.3	12.5
70°	20.8	20.8	20.0	19.2	16.7	14.2	13.3	11.7	10.8	10.0	9.2
72.5°	13.3	13.3	13.3	11.7	10.8	9.2	9.2	8.3	7.5	6.7	6.7
75°	6.7	7.5	6.7	6.7	5.8	5.8	5.0	5.0	4.2	4.2	3.3
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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°	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6
2.5°	145.1	142.6	140.9	138.4	136.8	135.1	134.3	133.4	133.4	133.4
5°	140.9	136.8	132.6	128.4	125.9	123.4	120.9	120.1	119.2	119.2
7.5°	135.9	129.2	123.4	118.4	114.2	111.7	109.2	107.6	106.7	106.7
10°	129.2	120.9	114.2	107.6	103.4	100.1	98.4	95.9	95.9	95.1
12.5°	121.7	111.7	104.2	98.4	94.2	90.1	87.6	85.9	85.1	85.1
15°	113.4	103.4	95.1	88.4	84.2	80.1	77.5	75.9	75.0	75.0
17.5°	105.1	94.2	85.9	79.2	75.0	70.9	68.4	66.7	66.7	65.9
20°	96.7	85.9	77.5	70.9	66.7	63.4	60.9	59.2	58.4	59.2
22.5°	89.2	78.4	70.0	64.2	59.2	55.9	53.4	52.5	51.7	51.7
25°	80.9	70.9	63.4	57.5	53.4	50.0	47.5	46.7	45.9	45.0
26°	78.4	68.4	60.9	55.0	50.9	47.5	45.9	44.2	43.4	43.4
27.5°	75.0	64.2	57.5	51.7	47.5	45.0	42.5	41.7	40.9	40.9
30°	67.5	58.4	51.7	46.7	43.4	40.0	38.4	37.5	36.7	36.7
32.5°	61.7	52.5	46.7	42.5	39.2	36.7	35.0	33.4	33.4	33.4
35°	55.9	47.5	42.5	38.4	35.0	32.5	31.7	30.9	30.0	30.0
37.5°	50.9	43.4	38.4	35.0	32.5	30.0	28.4	27.5	27.5	27.5
40°	45.9	40.0	35.0	31.7	29.2	27.5	25.8	25.0	25.0	25.0
42.5°	41.7	35.9	32.5	29.2	26.7	25.0	24.2	23.3	22.5	22.5
45°	38.4	33.4	29.2	26.7	25.0	23.3	21.7	20.8	20.8	20.8
47.5°	34.2	30.9	26.7	24.2	22.5	20.8	20.0	19.2	19.2	19.2
50°	31.7	28.4	25.0	22.5	20.8	19.2	18.3	17.5	17.5	17.5
52.5°	28.4	25.8	23.3	20.8	19.2	17.5	16.7	15.8	15.8	15.8
55°	25.8	23.3	20.8	19.2	17.5	15.8	15.0	14.2	14.2	14.2
57.5°	23.3	20.8	19.2	17.5	15.8	15.0	13.3	13.3	12.5	12.5
60°	20.8	18.3	16.7	15.8	14.2	13.3	11.7	10.8	10.8	10.8
62.5°	17.5	16.7	15.0	13.3	11.7	10.8	10.0	9.2	9.2	9.2
65°	15.0	14.2	12.5	10.8	10.0	9.2	8.3	7.5	7.5	7.5
67.5°	12.5	10.8	10.0	9.2	8.3	7.5	6.7	5.8	5.0	5.8
70°	9.2	8.3	7.5	6.7	5.8	5.0	4.2	4.2	3.3	3.3
72.5°	5.8	5.0	5.0	4.2	3.3	3.3	2.5	2.5	1.7	1.7
75°	3.3	3.3	2.5	2.5	1.7	1.7	0.8	0.8	0.8	0.8
77.5°	1.7	0.8	0.8	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)