

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: P3ART05R70B2750DE010 E3CLSWW1MB_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: P3ART05R70B2750DE010 E3CLSWW1MB_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

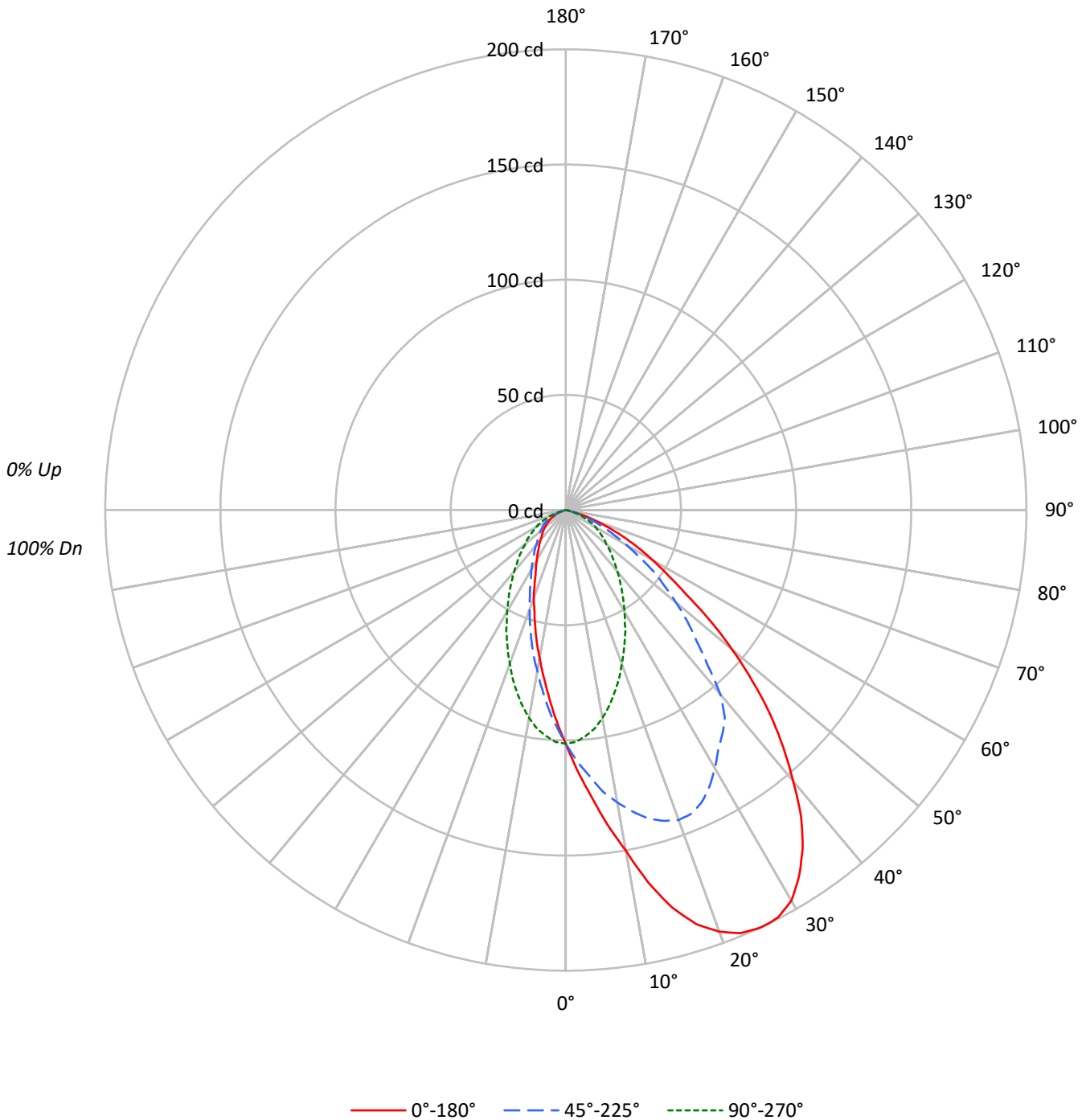
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 202.0 lumens
Efficiency: N/A
Efficacy: 34.2 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): 5.9
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				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°	22235	22235	22235	22235	22235
5°	27361	25468	21682	19040	18028
10°	33422	28701	20418	15809	14540
15°	40590	31464	18593	13144	11714
20°	45457	33416	16568	10688	9497
25°	48390	33825	14686	8880	7476
30°	49603	32790	12913	7545	6381
35°	47997	31748	11350	6451	5514
40°	43939	29856	9990	5754	4924
45°	38919	24871	8869	5334	4435
50°	32238	21287	7812	4878	4094
55°	24315	17739	7226	4588	3708
60°	19077	13332	6535	4254	3245
65°	14269	9806	5656	3580	2698
70°	9168	6219	4039	2565	1475
75°	3897	3389	1949	932	508
80°	758	758	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 38919 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	4.8
10°-20°	27.7	13.7
20°-30°	40.5	20.0
30°-40°	44.1	21.8
40°-50°	38.2	18.9
50°-60°	25.6	12.7
60°-70°	13.2	6.5
70°-80°	3.1	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°	77.8	38.5
0°-40°	121.9	60.3
0°-60°	185.6	91.9
0°-90°	202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	202.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	101	101	101	101	101	
5°	124	116	98	86	82	13
15°	179	139	82	58	52	51
25°	200	140	61	37	31	92
35°	179	119	42	24	21	111
45°	126	80	29	17	14	96
55°	64	46	19	12	10	59
65°	28	19	11	7	5	28
75°	5	4	2	1	1	6
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°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
2.5°	112.9	112.3	112.3	111.1	110.0	108.9	107.1	105.4	103.7	102.0	100.8
5°	124.3	124.9	124.3	122.0	119.2	115.7	112.3	108.3	104.3	100.8	98.5
7.5°	137.5	137.5	135.8	132.9	128.9	123.2	117.4	110.6	104.3	98.5	95.7
10°	150.1	150.1	147.2	142.7	136.4	128.9	120.9	111.7	103.1	95.1	91.7
12.5°	165.6	165.0	161.6	154.1	145.0	134.1	123.2	111.7	101.4	91.7	87.1
15°	178.8	178.2	173.6	164.4	152.4	138.6	123.8	110.6	98.0	87.1	81.9
17.5°	188.5	187.3	182.2	172.5	158.7	141.5	124.3	108.3	94.0	81.9	76.8
20°	194.8	194.2	188.5	177.0	162.1	143.2	123.8	105.4	89.9	76.8	71.0
22.5°	198.8	197.7	191.9	179.3	162.1	142.7	121.5	101.4	84.8	71.6	65.9
25°	200.0	199.4	192.5	178.8	160.4	139.8	118.0	97.4	79.6	66.5	60.7
26°	200.0	199.4	192.5	178.2	159.3	138.1	116.3	95.7	77.9	64.2	59.0
27.5°	199.4	198.8	191.4	176.5	157.0	135.2	112.9	92.2	74.5	61.3	55.6
30°	195.9	194.8	187.3	172.5	151.8	129.5	107.1	87.1	69.3	56.1	51.0
32.5°	188.5	187.3	179.3	165.6	146.1	123.2	100.8	81.4	64.2	51.0	46.4
35°	179.3	178.2	170.2	157.0	138.1	118.6	94.0	75.1	58.4	47.0	42.4
37.5°	167.9	166.1	159.3	145.5	128.3	113.4	88.2	68.8	53.3	42.4	38.4
40°	153.5	153.0	146.7	134.1	116.9	104.3	84.8	68.8	48.7	38.4	34.9
42.5°	139.8	138.6	132.9	122.0	106.6	91.1	74.5	65.9	45.3	34.4	31.5
45°	125.5	124.3	119.2	110.0	95.7	80.2	80.2	56.7	39.0	31.5	28.6
47.5°	110.0	108.9	104.8	98.0	85.4	71.6	58.4	46.4	35.5	28.1	25.8
50°	94.5	95.1	91.7	84.8	75.1	62.4	50.4	39.0	30.4	25.2	22.9
52.5°	79.1	78.5	76.2	71.6	64.7	53.9	43.0	33.2	26.4	22.3	21.2
55°	63.6	64.2	63.0	60.2	54.4	46.4	36.1	28.6	23.5	20.1	18.9
57.5°	52.7	53.3	51.0	49.3	44.7	37.8	29.8	24.1	20.1	17.8	16.6
60°	43.5	44.1	42.4	40.1	36.7	30.4	24.1	20.1	17.8	16.0	14.9
62.5°	35.5	34.9	33.8	31.5	28.6	24.1	19.5	16.6	14.9	13.8	13.2
65°	27.5	27.5	26.4	24.6	22.3	18.9	15.5	13.8	12.6	11.5	10.9
67.5°	20.6	20.6	19.5	18.3	16.0	13.8	12.0	10.9	10.3	9.2	8.6
70°	14.3	14.3	13.8	13.2	11.5	9.7	9.2	8.0	7.4	6.9	6.3
72.5°	9.2	9.2	9.2	8.0	7.4	6.3	6.3	5.7	5.2	4.6	4.6
75°	4.6	5.2	4.6	4.6	4.0	4.0	3.4	3.4	2.9	2.9	2.3
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
2.5°	99.7	98.0	96.8	95.1	94.0	92.8	92.2	91.7	91.7	91.7
5°	96.8	94.0	91.1	88.2	86.5	84.8	83.1	82.5	81.9	81.9
7.5°	93.4	88.8	84.8	81.4	78.5	76.8	75.1	73.9	73.3	73.3
10°	88.8	83.1	78.5	73.9	71.0	68.8	67.6	65.9	65.9	65.3
12.5°	83.6	76.8	71.6	67.6	64.7	61.9	60.2	59.0	58.4	58.4
15°	77.9	71.0	65.3	60.7	57.9	55.0	53.3	52.1	51.6	51.6
17.5°	72.2	64.7	59.0	54.4	51.6	48.7	47.0	45.8	45.8	45.3
20°	66.5	59.0	53.3	48.7	45.8	43.5	41.8	40.7	40.1	40.7
22.5°	61.3	53.9	48.1	44.1	40.7	38.4	36.7	36.1	35.5	35.5
25°	55.6	48.7	43.5	39.5	36.7	34.4	32.7	32.1	31.5	30.9
26°	53.9	47.0	41.8	37.8	34.9	32.7	31.5	30.4	29.8	29.8
27.5°	51.6	44.1	39.5	35.5	32.7	30.9	29.2	28.6	28.1	28.1
30°	46.4	40.1	35.5	32.1	29.8	27.5	26.4	25.8	25.2	25.2
32.5°	42.4	36.1	32.1	29.2	26.9	25.2	24.1	22.9	22.9	22.9
35°	38.4	32.7	29.2	26.4	24.1	22.3	21.8	21.2	20.6	20.6
37.5°	34.9	29.8	26.4	24.1	22.3	20.6	19.5	18.9	18.9	18.9
40°	31.5	27.5	24.1	21.8	20.1	18.9	17.8	17.2	17.2	17.2
42.5°	28.6	24.6	22.3	20.1	18.3	17.2	16.6	16.0	15.5	15.5
45°	26.4	22.9	20.1	18.3	17.2	16.0	14.9	14.3	14.3	14.3
47.5°	23.5	21.2	18.3	16.6	15.5	14.3	13.8	13.2	13.2	13.2
50°	21.8	19.5	17.2	15.5	14.3	13.2	12.6	12.0	12.0	12.0
52.5°	19.5	17.8	16.0	14.3	13.2	12.0	11.5	10.9	10.9	10.9
55°	17.8	16.0	14.3	13.2	12.0	10.9	10.3	9.7	9.7	9.7
57.5°	16.0	14.3	13.2	12.0	10.9	10.3	9.2	9.2	8.6	8.6
60°	14.3	12.6	11.5	10.9	9.7	9.2	8.0	7.4	7.4	7.4
62.5°	12.0	11.5	10.3	9.2	8.0	7.4	6.9	6.3	6.3	6.3
65°	10.3	9.7	8.6	7.4	6.9	6.3	5.7	5.2	5.2	5.2
67.5°	8.6	7.4	6.9	6.3	5.7	5.2	4.6	4.0	3.4	4.0
70°	6.3	5.7	5.2	4.6	4.0	3.4	2.9	2.9	2.3	2.3
72.5°	4.0	3.4	3.4	2.9	2.3	2.3	1.7	1.7	1.1	1.1
75°	2.3	2.3	1.7	1.7	1.1	1.1	0.6	0.6	0.6	0.6
77.5°	1.1	0.6	0.6	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)