

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_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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R70B2750DE010 E3CLSWW1MB_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3CLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

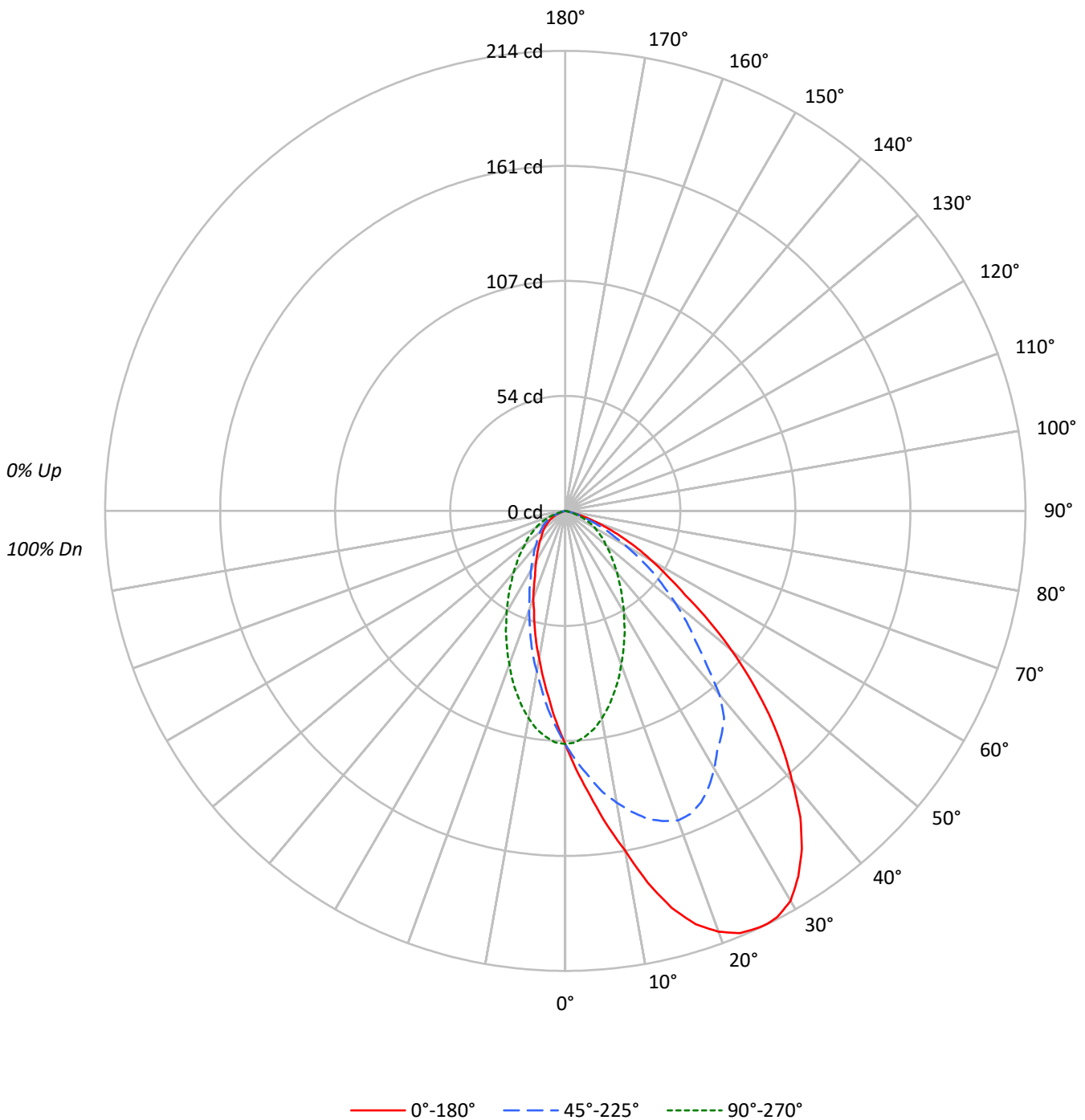
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 216.0 lumens
Efficiency: N/A
Efficacy: 36.6 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				
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°	23770	23770	23770	23770	23770
5°	29254	27251	23200	20361	19282
10°	35737	30683	21821	16922	15542
15°	43383	33666	19887	14052	12509
20°	48608	35750	17735	11434	10151
25°	51729	36171	15703	9484	8009
30°	53046	35069	13800	8077	6836
35°	51343	33943	12126	6880	5916
40°	47002	31917	10706	6126	5267
45°	41617	26607	9489	5706	4745
50°	34489	22788	8358	5219	4401
55°	25997	18962	7723	4932	3976
60°	20437	14253	6973	4561	3508
65°	15255	10481	6019	3840	2854
70°	9809	6668	4296	2757	1603
75°	4151	3643	2118	1017	508
80°	758	758	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 41617 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	4.8
10°-20°	29.6	13.7
20°-30°	43.3	20.0
30°-40°	47.2	21.8
40°-50°	40.8	18.9
50°-60°	27.3	12.7
60°-70°	14.1	6.5
70°-80°	3.3	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°	83.2	38.5
0°-40°	130.3	60.3
0°-60°	198.5	91.9
0°-90°	216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	216.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	108	108	108	108	108	
5°	133	124	105	92	88	14
15°	191	148	88	62	55	54
25°	214	150	65	39	33	98
35°	192	127	45	26	22	119
45°	134	86	31	18	15	103
55°	68	50	20	13	10	63
65°	29	20	12	7	6	30
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°	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4
2.5°	120.7	120.1	120.1	118.9	117.6	116.4	114.6	112.7	110.9	109.0	107.8
5°	132.9	133.6	132.9	130.5	127.4	123.8	120.1	115.8	111.5	107.8	105.4
7.5°	147.0	147.0	145.2	142.1	137.8	131.7	125.6	118.2	111.5	105.4	102.3
10°	160.5	160.5	157.4	152.5	145.8	137.8	129.3	119.5	110.3	101.7	98.0
12.5°	177.1	176.4	172.8	164.8	155.0	143.4	131.7	119.5	108.4	98.0	93.1
15°	191.1	190.5	185.6	175.8	163.0	148.3	132.3	118.2	104.8	93.1	87.6
17.5°	201.6	200.3	194.8	184.4	169.7	151.3	132.9	115.8	100.5	87.6	82.1
20°	208.3	207.7	201.6	189.3	173.4	153.2	132.3	112.7	96.2	82.1	76.0
22.5°	212.6	211.4	205.2	191.8	173.4	152.5	129.9	108.4	90.7	76.6	70.5
25°	213.8	213.2	205.8	191.1	171.5	149.5	126.2	104.1	85.2	71.1	64.9
26°	213.8	213.2	205.8	190.5	170.3	147.6	124.4	102.3	83.3	68.6	63.1
27.5°	213.2	212.6	204.6	188.7	167.9	144.6	120.7	98.6	79.6	65.6	59.4
30°	209.5	208.3	200.3	184.4	162.3	138.5	114.6	93.1	74.1	60.0	54.5
32.5°	201.6	200.3	191.8	177.1	156.2	131.7	107.8	87.0	68.6	54.5	49.6
35°	191.8	190.5	182.0	167.9	147.6	126.8	100.5	80.3	62.5	50.2	45.3
37.5°	179.5	177.7	170.3	155.6	137.2	121.3	94.3	73.5	57.0	45.3	41.0
40°	164.2	163.6	156.8	143.4	125.0	111.5	90.7	73.5	52.1	41.0	37.4
42.5°	149.5	148.3	142.1	130.5	113.9	97.4	79.6	70.5	48.4	36.8	33.7
45°	134.2	132.9	127.4	117.6	102.3	85.8	85.8	60.7	41.7	33.7	30.6
47.5°	117.6	116.4	112.1	104.8	91.3	76.6	62.5	49.6	38.0	30.0	27.6
50°	101.1	101.7	98.0	90.7	80.3	66.8	53.9	41.7	32.5	27.0	24.5
52.5°	84.5	83.9	81.5	76.6	69.2	57.6	45.9	35.5	28.2	23.9	22.7
55°	68.0	68.6	67.4	64.3	58.2	49.6	38.6	30.6	25.1	21.4	20.2
57.5°	56.4	57.0	54.5	52.7	47.8	40.4	31.9	25.7	21.4	19.0	17.8
60°	46.6	47.2	45.3	42.9	39.2	32.5	25.7	21.4	19.0	17.2	15.9
62.5°	38.0	37.4	36.1	33.7	30.6	25.7	20.8	17.8	15.9	14.7	14.1
65°	29.4	29.4	28.2	26.3	23.9	20.2	16.5	14.7	13.5	12.3	11.6
67.5°	22.1	22.1	20.8	19.6	17.2	14.7	12.9	11.6	11.0	9.8	9.2
70°	15.3	15.3	14.7	14.1	12.3	10.4	9.8	8.6	8.0	7.4	6.7
72.5°	9.8	9.8	9.8	8.6	8.0	6.7	6.7	6.1	5.5	4.9	4.9
75°	4.9	5.5	4.9	4.9	4.3	4.3	3.7	3.7	3.1	3.1	2.5
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.2	1.2
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°	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4
2.5°	106.6	104.8	103.5	101.7	100.5	99.2	98.6	98.0	98.0	98.0
5°	103.5	100.5	97.4	94.3	92.5	90.7	88.8	88.2	87.6	87.6
7.5°	99.9	95.0	90.7	87.0	83.9	82.1	80.3	79.0	78.4	78.4
10°	95.0	88.8	83.9	79.0	76.0	73.5	72.3	70.5	70.5	69.8
12.5°	89.4	82.1	76.6	72.3	69.2	66.2	64.3	63.1	62.5	62.5
15°	83.3	76.0	69.8	64.9	61.9	58.8	57.0	55.7	55.1	55.1
17.5°	77.2	69.2	63.1	58.2	55.1	52.1	50.2	49.0	49.0	48.4
20°	71.1	63.1	57.0	52.1	49.0	46.6	44.7	43.5	42.9	43.5
22.5°	65.6	57.6	51.5	47.2	43.5	41.0	39.2	38.6	38.0	38.0
25°	59.4	52.1	46.6	42.3	39.2	36.8	34.9	34.3	33.7	33.1
26°	57.6	50.2	44.7	40.4	37.4	34.9	33.7	32.5	31.9	31.9
27.5°	55.1	47.2	42.3	38.0	34.9	33.1	31.2	30.6	30.0	30.0
30°	49.6	42.9	38.0	34.3	31.9	29.4	28.2	27.6	27.0	27.0
32.5°	45.3	38.6	34.3	31.2	28.8	27.0	25.7	24.5	24.5	24.5
35°	41.0	34.9	31.2	28.2	25.7	23.9	23.3	22.7	22.1	22.1
37.5°	37.4	31.9	28.2	25.7	23.9	22.1	20.8	20.2	20.2	20.2
40°	33.7	29.4	25.7	23.3	21.4	20.2	19.0	18.4	18.4	18.4
42.5°	30.6	26.3	23.9	21.4	19.6	18.4	17.8	17.2	16.5	16.5
45°	28.2	24.5	21.4	19.6	18.4	17.2	15.9	15.3	15.3	15.3
47.5°	25.1	22.7	19.6	17.8	16.5	15.3	14.7	14.1	14.1	14.1
50°	23.3	20.8	18.4	16.5	15.3	14.1	13.5	12.9	12.9	12.9
52.5°	20.8	19.0	17.2	15.3	14.1	12.9	12.3	11.6	11.6	11.6
55°	19.0	17.2	15.3	14.1	12.9	11.6	11.0	10.4	10.4	10.4
57.5°	17.2	15.3	14.1	12.9	11.6	11.0	9.8	9.8	9.2	9.2
60°	15.3	13.5	12.3	11.6	10.4	9.8	8.6	8.0	8.0	8.0
62.5°	12.9	12.3	11.0	9.8	8.6	8.0	7.4	6.7	6.7	6.7
65°	11.0	10.4	9.2	8.0	7.4	6.7	6.1	5.5	5.5	5.5
67.5°	9.2	8.0	7.4	6.7	6.1	5.5	4.9	4.3	3.7	4.3
70°	6.7	6.1	5.5	4.9	4.3	3.7	3.1	3.1	2.5	2.5
72.5°	4.3	3.7	3.7	3.1	2.5	2.5	1.8	1.8	1.2	1.2
75°	2.5	2.5	1.8	1.8	1.2	1.2	0.6	0.6	0.6	0.6
77.5°	1.2	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)