

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 E3LCWW1WH_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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R70B2750DE010 E3LCWW1WH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3LCWW1WH TRIM
Light Source: -
Ballast/Driver: -

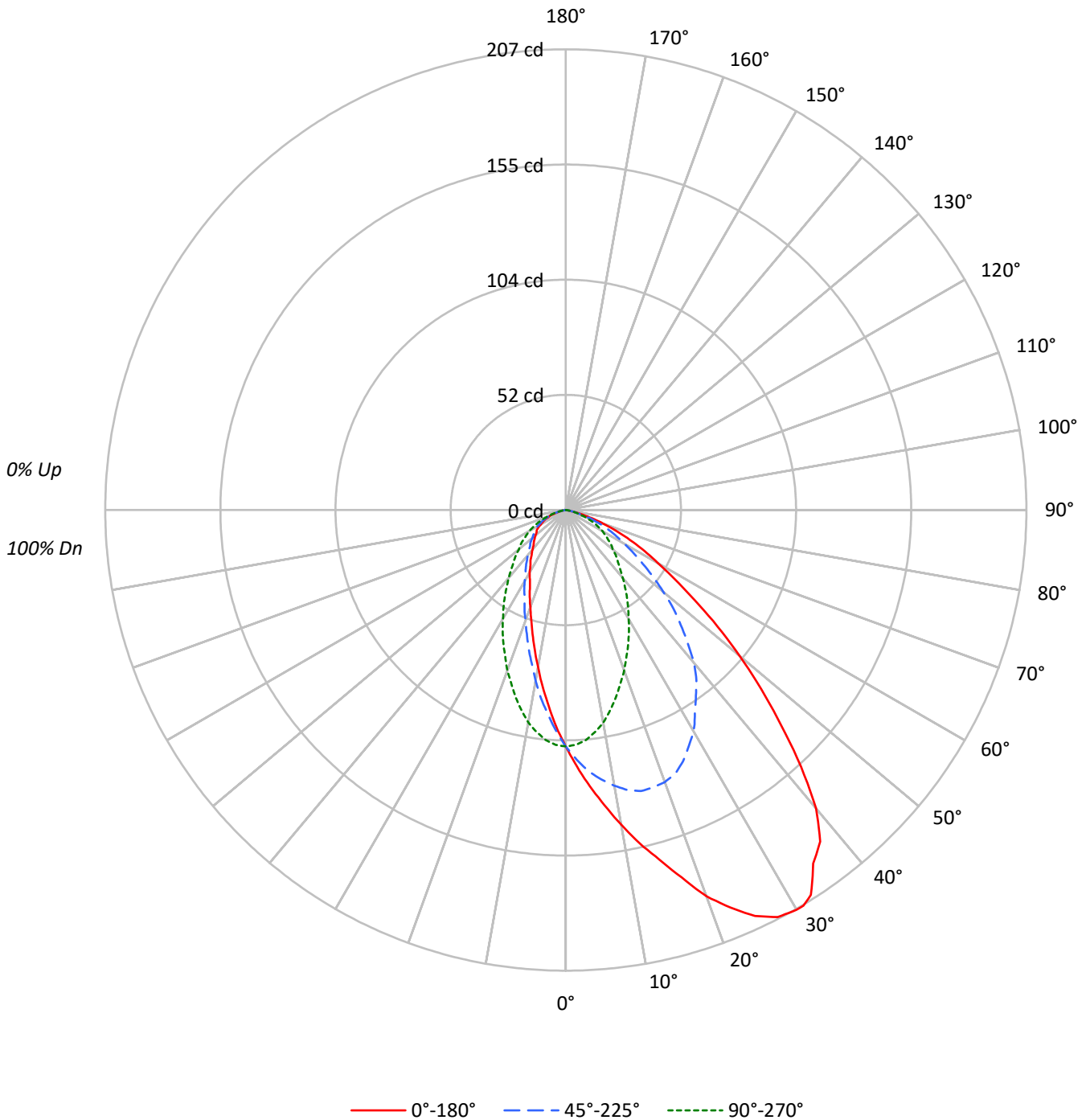
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 216.0 lumens
Efficiency: N/A
Efficacy: 36.6 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76		76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66		66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58		58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51		51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46		46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41		41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37		37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34		34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31		31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	23288	23288	23288	23288	23288
5°	27427	25930	22826	20273	19458
10°	31974	28011	21598	17345	15987
15°	36913	29671	19773	14620	13099
20°	43100	30359	17898	12321	10874
25°	48704	30147	16041	10549	9218
30°	52514	29068	14306	9318	8229
35°	51906	27278	12822	8379	7388
40°	50065	25648	11421	7557	6670
45°	42454	22638	10265	7039	6295
50°	34762	19479	9415	6686	6072
55°	26991	16171	8908	6576	6117
60°	21007	13464	8333	6447	5657
65°	16552	11156	7316	6071	5396
70°	11412	8271	5898	5129	4744
75°	5761	4660	4151	3643	3135
80°	758	1515	2273	1515	758
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 42454 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	4.6
10°-20°	27.7	12.8
20°-30°	40.8	18.9
30°-40°	45.7	21.2
40°-50°	40.2	18.6
50°-60°	28.8	13.3
60°-70°	17.0	7.9
70°-80°	5.7	2.6
80°-90°	0.3	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°	78.4	36.3
0°-40°	124.1	57.4
0°-60°	193.0	89.3
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°	106	106	106	106	106	
5°	125	118	104	92	88	12
15°	163	131	87	64	58	47
25°	201	125	66	44	38	93
35°	194	102	48	31	28	122
45°	137	73	33	23	20	106
55°	71	42	23	17	16	65
65°	32	22	14	12	10	32
75°	7	6	5	4	4	8
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°	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2
2.5°	115.4	115.4	115.4	114.2	114.2	112.3	111.1	109.2	108.0	106.2	105.6
5°	124.6	124.6	123.4	122.1	120.3	117.8	114.8	111.7	108.0	104.9	103.7
7.5°	133.8	134.4	132.6	130.1	126.4	122.1	117.8	112.9	107.4	103.1	100.6
10°	143.6	143.6	141.2	137.5	131.9	125.8	119.1	112.3	105.6	99.4	97.0
12.5°	153.4	152.8	149.7	144.2	137.5	128.9	119.7	111.1	103.1	95.7	92.1
15°	162.6	162.6	158.3	151.6	141.8	130.7	119.7	108.6	99.4	90.8	87.1
17.5°	173.1	173.1	167.5	157.1	144.8	130.7	117.8	105.6	95.1	85.9	81.6
20°	184.7	184.1	176.1	162.0	146.1	130.1	115.4	101.9	90.2	80.4	76.7
22.5°	193.3	192.7	183.5	166.3	146.7	128.3	111.1	97.0	85.3	75.5	71.2
25°	201.3	200.1	189.6	168.2	145.5	124.6	106.8	91.4	80.4	70.6	66.3
27.5°	206.2	205.6	193.9	167.5	142.4	119.7	101.3	86.5	74.9	65.1	61.4
30°	207.4	208.1	193.9	164.5	137.5	114.8	95.7	81.0	69.4	60.8	56.5
31°	207.4	208.1	192.7	162.6	135.6	112.3	93.3	79.2	66.9	58.3	54.6
32.5°	205.0	203.8	190.9	159.6	131.3	108.0	90.2	76.1	63.8	55.2	52.2
35°	193.9	194.5	184.7	152.8	125.2	101.9	84.1	70.0	58.3	50.9	47.9
37.5°	187.8	187.8	170.0	143.6	118.4	96.4	76.7	63.2	53.4	46.6	43.6
40°	174.9	173.1	156.5	133.8	110.5	89.6	72.4	58.9	49.1	42.3	39.9
42.5°	156.5	154.7	141.8	125.2	100.0	81.0	68.7	52.2	44.2	38.7	36.2
45°	136.9	135.6	125.8	110.5	90.2	73.0	59.5	47.9	40.5	35.0	33.1
47.5°	119.1	117.2	109.9	98.2	81.6	65.7	51.6	43.0	36.2	31.9	30.7
50°	101.9	101.3	95.1	85.9	72.4	57.1	45.4	38.1	33.1	29.5	27.6
52.5°	85.9	84.7	81.6	74.3	63.2	49.7	39.9	33.8	29.5	27.0	25.8
55°	70.6	70.6	67.5	62.6	54.0	42.3	35.0	30.1	26.4	24.5	23.3
57.5°	58.3	58.3	55.8	52.8	44.8	36.2	30.7	26.4	23.9	22.1	20.9
60°	47.9	47.9	46.0	43.0	37.4	30.7	26.4	23.3	21.5	19.6	19.0
62.5°	39.9	39.3	38.1	35.0	30.7	25.8	22.7	20.3	18.4	17.2	16.6
65°	31.9	31.3	30.1	27.6	24.5	21.5	19.0	17.2	16.0	14.7	14.1
67.5°	24.5	24.5	23.3	21.5	19.0	17.2	15.3	14.1	12.9	12.3	11.7
70°	17.8	17.8	17.2	16.0	14.1	12.9	11.7	11.0	10.4	9.8	9.2
72.5°	12.3	12.3	11.7	11.0	9.8	9.2	8.0	8.0	7.4	7.4	6.8
75°	6.8	6.8	6.8	6.1	6.1	5.5	5.5	5.5	4.9	4.9	4.9
77.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
80°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.8	1.8	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2
2.5°	104.9	103.1	101.9	101.3	99.4	98.8	98.2	97.6	97.6	97.6
5°	102.5	99.4	96.4	94.5	92.1	90.8	89.6	89.0	88.4	88.4
7.5°	98.2	94.5	90.8	87.8	85.3	82.9	81.6	80.4	80.4	79.8
10°	93.9	89.0	84.7	80.4	77.9	74.9	73.6	72.4	71.8	71.8
12.5°	89.0	82.9	77.9	74.3	70.6	68.1	66.3	65.1	64.4	64.4
15°	83.5	77.3	71.8	68.1	64.4	61.4	59.5	58.3	57.7	57.7
17.5°	77.9	71.8	65.7	62.0	58.3	55.2	54.0	52.8	52.2	51.6
20°	73.0	65.7	60.8	55.8	52.8	50.3	48.5	47.3	46.6	46.6
22.5°	67.5	60.8	55.2	51.6	48.5	46.0	43.6	43.0	42.3	42.3
25°	62.0	55.8	50.9	47.3	43.6	41.7	39.9	38.7	38.7	38.1
27.5°	57.7	51.6	46.6	43.0	40.5	38.1	36.8	35.6	35.0	35.0
30°	52.8	47.3	43.0	39.9	36.8	35.0	33.8	32.5	32.5	32.5
31°	51.6	46.0	41.7	38.1	35.6	33.8	32.5	31.9	31.3	31.3
32.5°	48.5	43.6	39.3	36.2	33.8	31.9	30.7	30.1	30.1	29.5
35°	44.8	39.9	36.2	33.1	31.3	29.5	28.2	27.6	27.6	27.6
37.5°	41.1	36.8	33.1	30.7	28.8	27.0	26.4	25.2	25.2	25.2
40°	37.4	33.8	30.7	28.2	26.4	25.2	24.5	23.9	23.3	23.3
42.5°	34.4	30.7	28.2	26.4	24.5	23.3	22.7	22.1	22.1	21.5
45°	31.3	28.2	26.4	24.5	22.7	22.1	21.5	20.9	20.3	20.3
47.5°	28.8	26.4	23.9	22.7	21.5	20.3	19.6	19.6	19.0	19.0
50°	26.4	23.9	22.1	20.9	19.6	19.0	18.4	18.4	17.8	17.8
52.5°	24.5	22.1	20.9	19.6	18.4	17.8	17.2	17.2	16.6	16.6
55°	22.1	20.3	19.0	18.4	17.2	16.6	16.0	15.3	15.3	16.0
57.5°	20.3	19.0	17.8	17.2	16.0	15.3	14.7	14.7	14.1	14.7
60°	18.4	17.2	16.0	15.3	14.7	14.1	13.5	12.9	12.9	12.9
62.5°	16.6	15.3	14.7	13.5	12.9	12.9	12.3	12.3	12.3	11.7
65°	14.1	13.5	12.9	12.3	11.7	11.0	11.0	10.4	10.4	10.4
67.5°	11.7	11.0	10.4	10.4	9.8	9.2	9.2	9.2	9.2	8.6
70°	9.2	8.6	8.6	8.0	8.0	8.0	7.4	7.4	7.4	7.4
72.5°	6.8	6.8	6.1	6.1	6.1	6.1	5.5	5.5	5.5	5.5
75°	4.9	4.9	4.9	4.3	4.3	4.3	3.7	3.7	3.7	3.7
77.5°	3.1	3.1	3.1	3.1	3.1	2.5	2.5	2.5	2.5	2.5
80°	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.2	1.2	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	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)