

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 E3LCWW1WMH_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: P3ART13R70B2750DE010 E3LCWW1WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

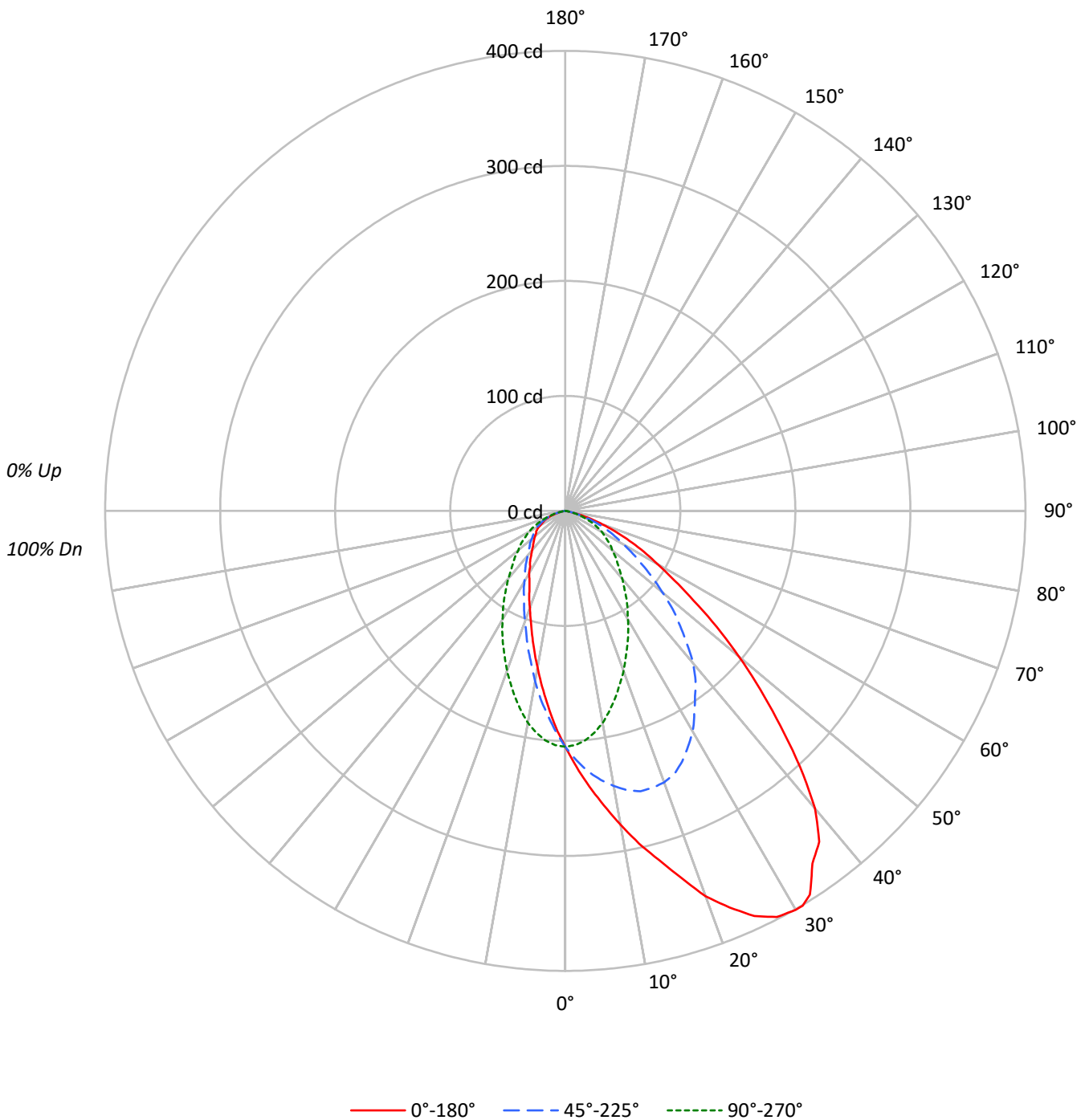
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 417.0 lumens
Efficiency: N/A
Efficacy: 21.8 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): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	44953	44953	44953	44953	44953
5°	52938	50077	44068	39115	37552
10°	61722	54085	41683	33511	30861
15°	71283	57299	38184	28241	25290
20°	83214	58618	34560	23779	21002
25°	94022	58189	30970	20348	17783
30°	101408	56110	27599	18003	15901
35°	100224	52655	24735	16169	14268
40°	96667	49521	22041	14570	12881
45°	81931	43725	19847	13583	12125
50°	67102	37594	18183	12929	11735
55°	52108	31272	17204	12692	11775
60°	40523	25963	16095	12455	10920
65°	31962	21533	14165	11674	10429
70°	22055	15964	11412	9873	9104
75°	11014	9065	8049	7032	6015
80°	1515	3031	4546	3031	1515
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 81931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.2	4.6
10°-20°	53.4	12.8
20°-30°	78.7	18.9
30°-40°	88.2	21.2
40°-50°	77.6	18.6
50°-60°	55.5	13.3
60°-70°	32.9	7.9
70°-80°	11.0	2.6
80°-90°	0.5	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°	151.3	36.3
0°-40°	239.5	57.4
0°-60°	372.6	89.3
0°-90°	417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	417.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	205	205	205	205	205	
5°	240	228	200	178	171	24
15°	314	252	168	124	111	91
25°	389	240	128	84	74	179
35°	374	197	92	60	53	235
45°	264	141	64	44	39	204
55°	136	82	45	33	31	125
65°	62	42	27	22	20	62
75°	13	11	10	8	7	16
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°	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0
2.5°	222.7	222.7	222.7	220.4	220.4	216.8	214.5	210.9	208.5	205.0	203.8
5°	240.5	240.5	238.1	235.8	232.2	227.5	221.6	215.6	208.5	202.6	200.2
7.5°	258.3	259.5	255.9	251.2	244.1	235.8	227.5	218.0	207.3	199.0	194.3
10°	277.2	277.2	272.5	265.4	254.7	242.9	229.9	216.8	203.8	191.9	187.2
12.5°	296.2	295.0	289.1	278.4	265.4	248.8	231.0	214.5	199.0	184.8	177.7
15°	314.0	314.0	305.7	292.6	273.7	252.4	231.0	209.7	191.9	175.4	168.2
17.5°	334.1	334.1	323.5	303.3	279.6	252.4	227.5	203.8	183.6	165.9	157.6
20°	356.6	355.4	340.0	312.8	282.0	251.2	222.7	196.7	174.2	155.2	148.1
22.5°	373.2	372.0	354.3	321.1	283.2	247.6	214.5	187.2	164.7	145.7	137.4
25°	388.6	386.2	366.1	324.6	280.8	240.5	206.2	176.5	155.2	136.3	128.0
27.5°	398.1	396.9	374.4	323.5	274.9	231.0	195.5	167.1	144.5	125.6	118.5
30°	400.5	401.7	374.4	317.5	265.4	221.6	184.8	156.4	133.9	117.3	109.0
31°	400.5	401.7	372.0	314.0	261.8	216.8	180.1	152.8	129.1	112.6	105.4
32.5°	395.7	393.4	368.5	308.1	253.6	208.5	174.2	146.9	123.2	106.6	100.7
35°	374.4	375.6	356.6	295.0	241.7	196.7	162.3	135.1	112.6	98.3	92.4
37.5°	362.6	362.6	328.2	277.2	228.7	186.0	148.1	122.0	103.1	90.0	84.1
40°	337.7	334.1	302.1	258.3	213.3	173.0	139.8	113.7	94.8	81.8	77.0
42.5°	302.1	298.6	273.7	241.7	193.1	156.4	132.7	100.7	85.3	74.6	69.9
45°	264.2	261.8	242.9	213.3	174.2	141.0	114.9	92.4	78.2	67.5	64.0
47.5°	229.9	226.3	212.1	189.6	157.6	126.8	99.5	82.9	69.9	61.6	59.2
50°	196.7	195.5	183.6	165.9	139.8	110.2	87.7	73.5	64.0	56.9	53.3
52.5°	165.9	163.5	157.6	143.4	122.0	96.0	77.0	65.2	56.9	52.1	49.8
55°	136.3	136.3	130.3	120.9	104.3	81.8	67.5	58.1	50.9	47.4	45.0
57.5°	112.6	112.6	107.8	101.9	86.5	69.9	59.2	50.9	46.2	42.7	40.3
60°	92.4	92.4	88.9	82.9	72.3	59.2	50.9	45.0	41.5	37.9	36.7
62.5°	77.0	75.8	73.5	67.5	59.2	49.8	43.8	39.1	35.5	33.2	32.0
65°	61.6	60.4	58.1	53.3	47.4	41.5	36.7	33.2	30.8	28.4	27.3
67.5°	47.4	47.4	45.0	41.5	36.7	33.2	29.6	27.3	24.9	23.7	22.5
70°	34.4	34.4	33.2	30.8	27.3	24.9	22.5	21.3	20.1	19.0	17.8
72.5°	23.7	23.7	22.5	21.3	19.0	17.8	15.4	15.4	14.2	14.2	13.0
75°	13.0	13.0	13.0	11.8	11.8	10.7	10.7	10.7	9.5	9.5	9.5
77.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
80°	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	3.6	3.6	3.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
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°	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0
2.5°	202.6	199.0	196.7	195.5	191.9	190.8	189.6	188.4	188.4	188.4
5°	197.9	191.9	186.0	182.5	177.7	175.4	173.0	171.8	170.6	170.6
7.5°	189.6	182.5	175.4	169.4	164.7	159.9	157.6	155.2	155.2	154.0
10°	181.3	171.8	163.5	155.2	150.5	144.5	142.2	139.8	138.6	138.6
12.5°	171.8	159.9	150.5	143.4	136.3	131.5	128.0	125.6	124.4	124.4
15°	161.1	149.3	138.6	131.5	124.4	118.5	114.9	112.6	111.4	111.4
17.5°	150.5	138.6	126.8	119.7	112.6	106.6	104.3	101.9	100.7	99.5
20°	141.0	126.8	117.3	107.8	101.9	97.2	93.6	91.2	90.0	90.0
22.5°	130.3	117.3	106.6	99.5	93.6	88.9	84.1	82.9	81.8	81.8
25°	119.7	107.8	98.3	91.2	84.1	80.6	77.0	74.6	74.6	73.5
27.5°	111.4	99.5	90.0	82.9	78.2	73.5	71.1	68.7	67.5	67.5
30°	101.9	91.2	82.9	77.0	71.1	67.5	65.2	62.8	62.8	62.8
31°	99.5	88.9	80.6	73.5	68.7	65.2	62.8	61.6	60.4	60.4
32.5°	93.6	84.1	75.8	69.9	65.2	61.6	59.2	58.1	58.1	56.9
35°	86.5	77.0	69.9	64.0	60.4	56.9	54.5	53.3	53.3	53.3
37.5°	79.4	71.1	64.0	59.2	55.7	52.1	50.9	48.6	48.6	48.6
40°	72.3	65.2	59.2	54.5	50.9	48.6	47.4	46.2	45.0	45.0
42.5°	66.3	59.2	54.5	50.9	47.4	45.0	43.8	42.7	42.7	41.5
45°	60.4	54.5	50.9	47.4	43.8	42.7	41.5	40.3	39.1	39.1
47.5°	55.7	50.9	46.2	43.8	41.5	39.1	37.9	37.9	36.7	36.7
50°	50.9	46.2	42.7	40.3	37.9	36.7	35.5	35.5	34.4	34.4
52.5°	47.4	42.7	40.3	37.9	35.5	34.4	33.2	33.2	32.0	32.0
55°	42.7	39.1	36.7	35.5	33.2	32.0	30.8	29.6	29.6	30.8
57.5°	39.1	36.7	34.4	33.2	30.8	29.6	28.4	28.4	27.3	28.4
60°	35.5	33.2	30.8	29.6	28.4	27.3	26.1	24.9	24.9	24.9
62.5°	32.0	29.6	28.4	26.1	24.9	24.9	23.7	23.7	23.7	22.5
65°	27.3	26.1	24.9	23.7	22.5	21.3	21.3	20.1	20.1	20.1
67.5°	22.5	21.3	20.1	20.1	19.0	17.8	17.8	17.8	17.8	16.6
70°	17.8	16.6	16.6	15.4	15.4	15.4	14.2	14.2	14.2	14.2
72.5°	13.0	13.0	11.8	11.8	11.8	11.8	10.7	10.7	10.7	10.7
75°	9.5	9.5	9.5	8.3	8.3	8.3	7.1	7.1	7.1	7.1
77.5°	5.9	5.9	5.9	5.9	5.9	4.7	4.7	4.7	4.7	4.7
80°	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	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)