

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 E3CLDWW1MW_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 (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART13R70B2750DE010 E3CLDWW1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

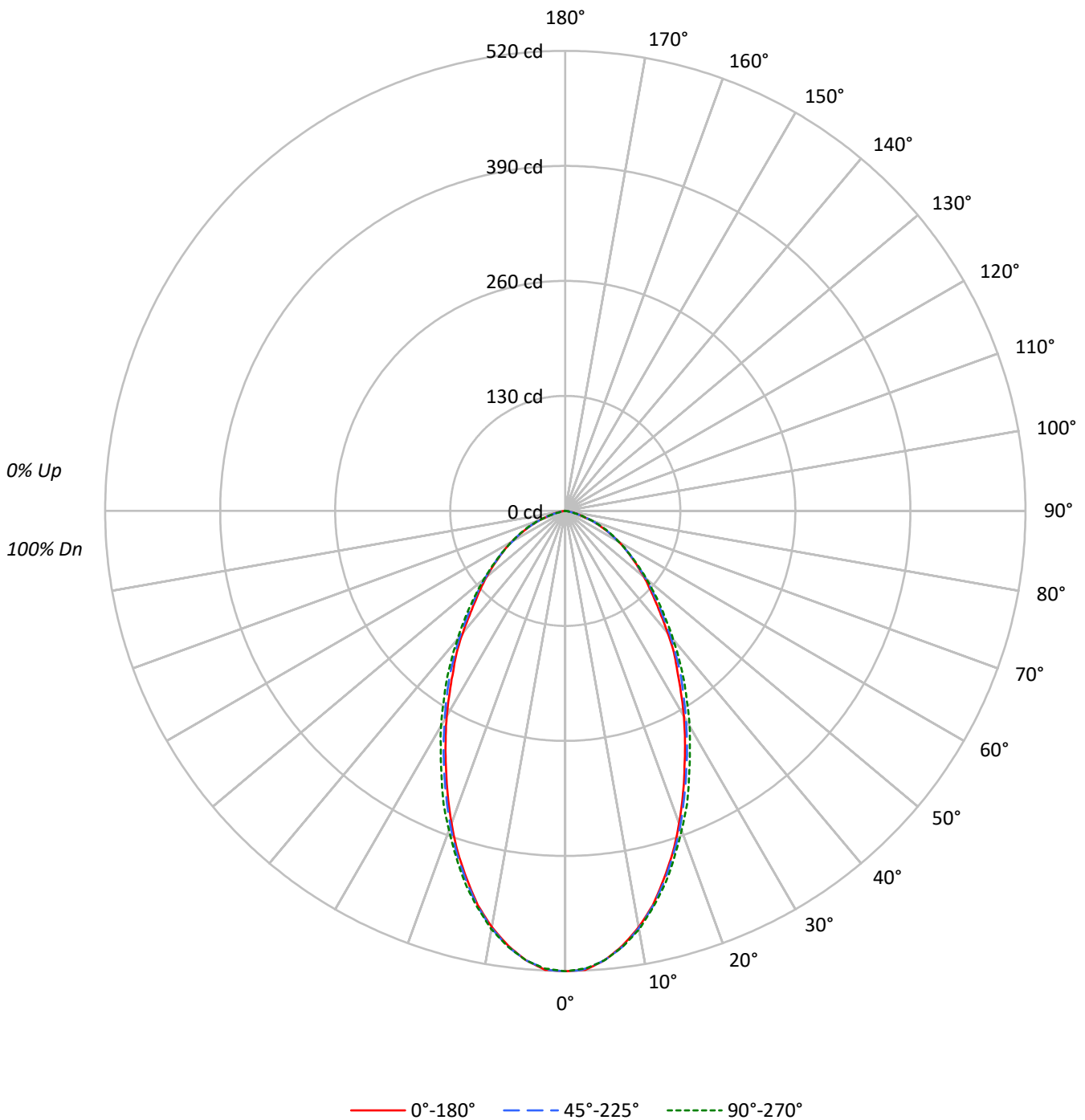
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 725.0 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
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	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	97	97	95	94	94	92	91	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	114136	114136	114136
5°	112216	112216	112216
10°	106389	106656	106923
15°	97708	98253	99047
20°	87718	88534	89654
25°	77158	78319	80037
30°	67859	69049	71150
35°	59026	60954	62533
40°	51582	52956	54302
45°	44501	45958	47075
50°	39640	40459	40869
55°	34904	35363	35363
60°	30699	30173	30699
65°	25217	25839	26462
70°	19747	19747	20516
75°	13047	12031	12031
80°	7450	5935	4546
85°	3019	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 47075 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	6.6
10°-20°	120.9	16.7
20°-30°	149.1	20.6
30°-40°	142.1	19.6
40°-50°	114.9	15.9
50°-60°	82.8	11.4
60°-70°	49.6	6.8
70°-80°	16.6	2.3
80°-90°	1.4	0.2
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°	317.6	43.8
0°-40°	459.7	63.4
0°-60°	657.4	90.7
0°-90°	725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	520	520	520	520	520	
5°	510	510	510	510	510	48
15°	430	431	433	434	436	120
25°	319	321	324	329	331	147
35°	220	222	228	232	234	139
45°	144	146	148	151	152	112
55°	91	91	92	92	92	82
65°	49	50	50	51	51	49
75°	15	15	14	14	14	17
85°	1	1	0	0	0	2
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°	520.5	520.5	520.5	520.5	520.5	520.5	520.5	520.5	520.5	520.5	520.5
2°	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	519.3	518.1
2.5°	519.3	518.1	518.1	518.1	518.1	518.1	518.1	518.1	518.1	519.3	518.1
5°	509.8	509.8	509.8	509.8	509.8	509.8	509.8	509.8	511.0	509.8	509.8
7.5°	495.6	495.6	495.6	495.6	496.8	496.8	496.8	496.8	498.0	498.0	496.8
10°	477.8	477.8	477.8	477.8	479.0	479.0	480.2	479.0	479.0	480.2	480.2
12.5°	456.5	455.3	455.3	455.3	456.5	457.7	457.7	457.7	458.9	458.9	458.9
15°	430.4	430.4	430.4	431.6	431.6	432.8	434.0	434.0	435.1	435.1	436.3
17.5°	404.3	404.3	403.1	404.3	405.5	406.7	407.9	409.1	410.2	410.2	410.2
20°	375.9	374.7	375.9	377.0	378.2	379.4	380.6	383.0	384.2	384.2	384.2
22.5°	347.4	346.2	347.4	348.6	349.8	351.0	354.5	355.7	356.9	356.9	359.3
25°	318.9	318.9	320.1	321.3	322.5	323.7	326.1	328.4	329.6	330.8	330.8
27.5°	292.9	292.9	292.9	292.9	295.2	297.6	300.0	302.4	303.5	304.7	304.7
30°	268.0	266.8	266.8	268.0	270.3	272.7	275.1	277.5	278.6	279.8	281.0
32.5°	243.1	243.1	243.1	244.3	245.4	249.0	251.4	252.6	254.9	256.1	256.1
35°	220.5	220.5	220.5	222.9	225.3	227.7	228.8	231.2	233.6	233.6	233.6
37.5°	201.6	202.8	205.1	203.9	203.9	205.1	206.3	208.7	211.1	211.1	211.1
40°	180.2	181.4	182.6	181.4	182.6	185.0	186.2	187.3	188.5	189.7	189.7
42.5°	160.1	160.1	160.1	161.3	163.6	164.8	167.2	168.4	169.6	169.6	169.6
45°	143.5	143.5	144.7	145.8	147.0	148.2	149.4	150.6	151.8	151.8	151.8
47.5°	129.2	129.2	130.4	130.4	131.6	132.8	134.0	134.0	135.2	136.4	135.2
50°	116.2	116.2	116.2	117.4	117.4	118.6	118.6	119.8	119.8	119.8	119.8
52.5°	103.2	103.2	103.2	103.2	104.3	104.3	104.3	105.5	105.5	105.5	105.5
55°	91.3	91.3	91.3	91.3	91.3	92.5	92.5	92.5	92.5	92.5	92.5
57.5°	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
60°	70.0	70.0	70.0	70.0	70.0	68.8	70.0	70.0	70.0	70.0	70.0
62.5°	59.3	59.3	59.3	59.3	59.3	59.3	59.3	60.5	60.5	60.5	60.5
65°	48.6	49.8	49.8	49.8	49.8	49.8	49.8	51.0	51.0	51.0	51.0
67.5°	39.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	41.5	41.5	41.5
70°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	32.0
72.5°	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	22.5	22.5	22.5
75°	15.4	15.4	15.4	15.4	14.2	14.2	14.2	14.2	14.2	14.2	14.2
77.5°	10.7	10.7	10.7	9.5	9.5	8.3	8.3	8.3	8.3	8.3	7.1
80°	5.9	5.9	5.9	5.9	5.9	4.7	4.7	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	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

(END OF REPORT)