

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: P3ART09R70B2750DE010 E3CLDWW1MB_3000K

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: P3ART09R70B2750DE010 E3CLDWW1MB_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

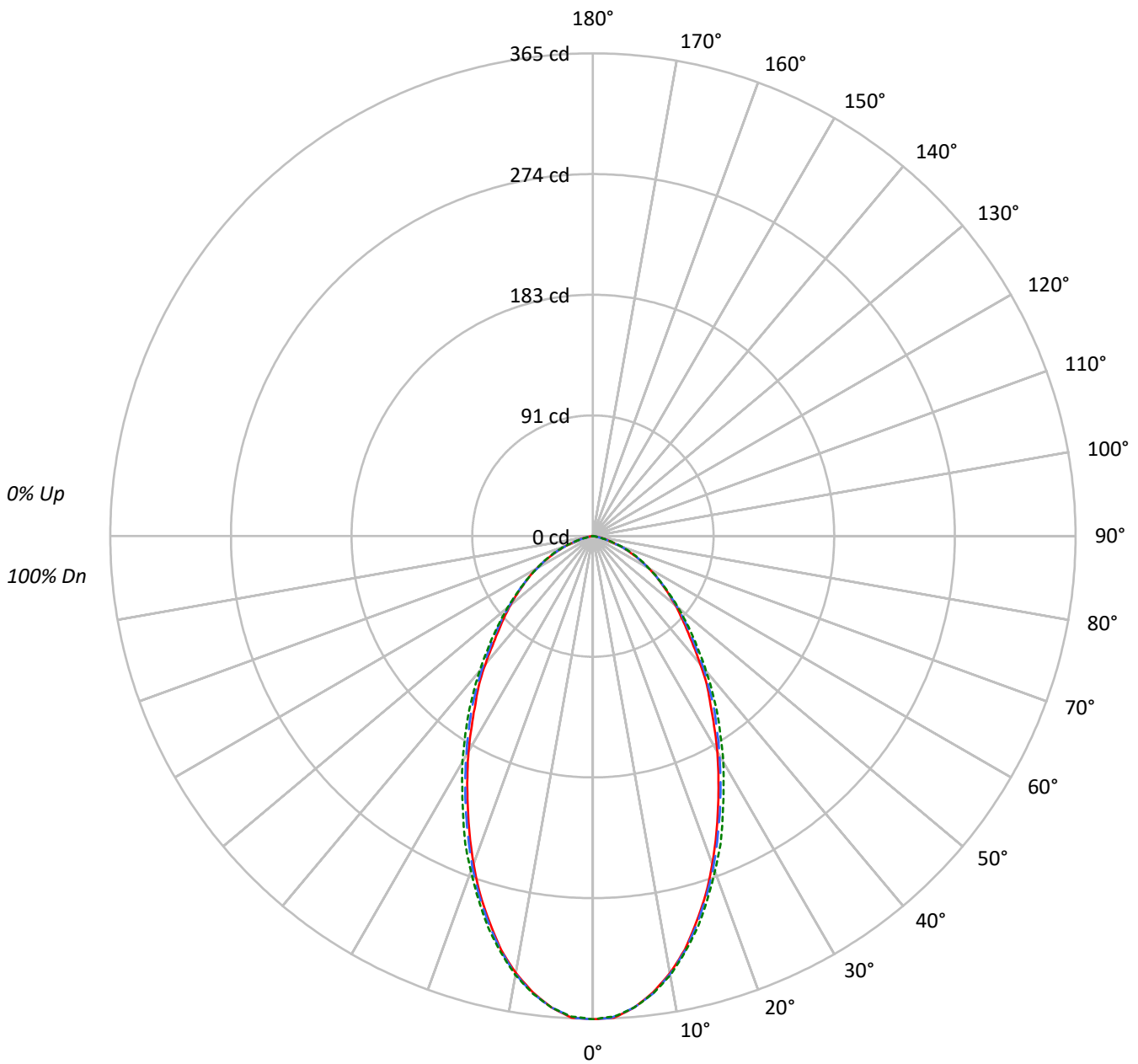
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 509.0 lumens
Efficiency: N/A
Efficacy: 38.9 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): 13.1
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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°	80125	80125	80125
5°	78780	78780	78780
10°	74704	74882	75060
15°	68604	68967	69535
20°	61582	62165	62935
25°	54172	54995	56181
30°	47628	48488	49957
35°	41439	42777	43902
40°	36211	37184	38129
45°	31228	32282	33058
50°	27837	28383	28690
55°	24506	24812	24812
60°	21533	21183	21533
65°	17693	18160	18575
70°	13848	13848	14426
75°	9150	8472	8472
80°	5304	4167	3157
85°	2013	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°

Vertical Angle: 45°

Luminance: 33058 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	6.6
10°-20°	84.9	16.7
20°-30°	104.7	20.6
30°-40°	99.7	19.6
40°-50°	80.7	15.9
50°-60°	58.1	11.4
60°-70°	34.8	6.8
70°-80°	11.7	2.3
80°-90°	1.0	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°	223.0	43.8
0°-40°	322.7	63.4
0°-60°	461.6	90.7
0°-90°	509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	365	365	365	365	365	
5°	358	358	358	358	358	33
15°	302	303	304	305	306	84
25°	224	225	227	231	232	103
35°	155	156	160	163	164	97
45°	101	102	104	106	107	78
55°	64	64	65	65	65	58
65°	34	35	35	36	36	34
75°	11	11	10	10	10	12
85°	1	1	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4	365.4
2°	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	363.8
2.5°	364.6	363.8	363.8	363.8	363.8	363.8	363.8	363.8	363.8	364.6	363.8
5°	357.9	357.9	357.9	357.9	357.9	357.9	357.9	357.9	358.8	357.9	357.9
7.5°	348.0	348.0	348.0	348.0	348.8	348.8	348.8	348.8	349.6	349.6	348.8
10°	335.5	335.5	335.5	335.5	336.3	336.3	337.1	336.3	336.3	337.1	337.1
12.5°	320.5	319.7	319.7	319.7	320.5	321.3	321.3	321.3	322.2	322.2	322.2
15°	302.2	302.2	302.2	303.0	303.0	303.8	304.7	304.7	305.5	305.5	306.3
17.5°	283.9	283.9	283.0	283.9	284.7	285.5	286.4	287.2	288.0	288.0	288.0
20°	263.9	263.0	263.9	264.7	265.5	266.4	267.2	268.9	269.7	269.7	269.7
22.5°	243.9	243.1	243.9	244.7	245.6	246.4	248.9	249.7	250.6	250.6	252.2
25°	223.9	223.9	224.8	225.6	226.4	227.3	228.9	230.6	231.4	232.2	232.2
27.5°	205.6	205.6	205.6	205.6	207.3	208.9	210.6	212.3	213.1	213.9	213.9
30°	188.1	187.3	187.3	188.1	189.8	191.5	193.1	194.8	195.6	196.5	197.3
32.5°	170.6	170.6	170.6	171.5	172.3	174.8	176.5	177.3	179.0	179.8	179.8
35°	154.8	154.8	154.8	156.5	158.2	159.8	160.7	162.3	164.0	164.0	164.0
37.5°	141.5	142.3	144.0	143.2	143.2	144.0	144.8	146.5	148.2	148.2	148.2
40°	126.5	127.4	128.2	127.4	128.2	129.9	130.7	131.5	132.4	133.2	133.2
42.5°	112.4	112.4	112.4	113.2	114.9	115.7	117.4	118.2	119.0	119.0	119.0
45°	100.7	100.7	101.6	102.4	103.2	104.1	104.9	105.7	106.6	106.6	106.6
47.5°	90.7	90.7	91.6	91.6	92.4	93.2	94.1	94.1	94.9	95.7	94.9
50°	81.6	81.6	81.6	82.4	82.4	83.2	83.2	84.1	84.1	84.1	84.1
52.5°	72.4	72.4	72.4	72.4	73.3	73.3	73.3	74.1	74.1	74.1	74.1
55°	64.1	64.1	64.1	64.1	64.1	64.9	64.9	64.9	64.9	64.9	64.9
57.5°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
60°	49.1	49.1	49.1	49.1	49.1	48.3	49.1	49.1	49.1	49.1	49.1
62.5°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	42.5	42.5	42.5	42.5
65°	34.1	35.0	35.0	35.0	35.0	35.0	35.0	35.8	35.8	35.8	35.8
67.5°	27.5	28.3	28.3	28.3	28.3	28.3	28.3	28.3	29.1	29.1	29.1
70°	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	22.5
72.5°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.8	15.8	15.8
75°	10.8	10.8	10.8	10.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0
77.5°	7.5	7.5	7.5	6.7	6.7	5.8	5.8	5.8	5.8	5.8	5.0
80°	4.2	4.2	4.2	4.2	4.2	3.3	3.3	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	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)