

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 E3CLDWW1MW_2700K

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 E3CLDWW1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

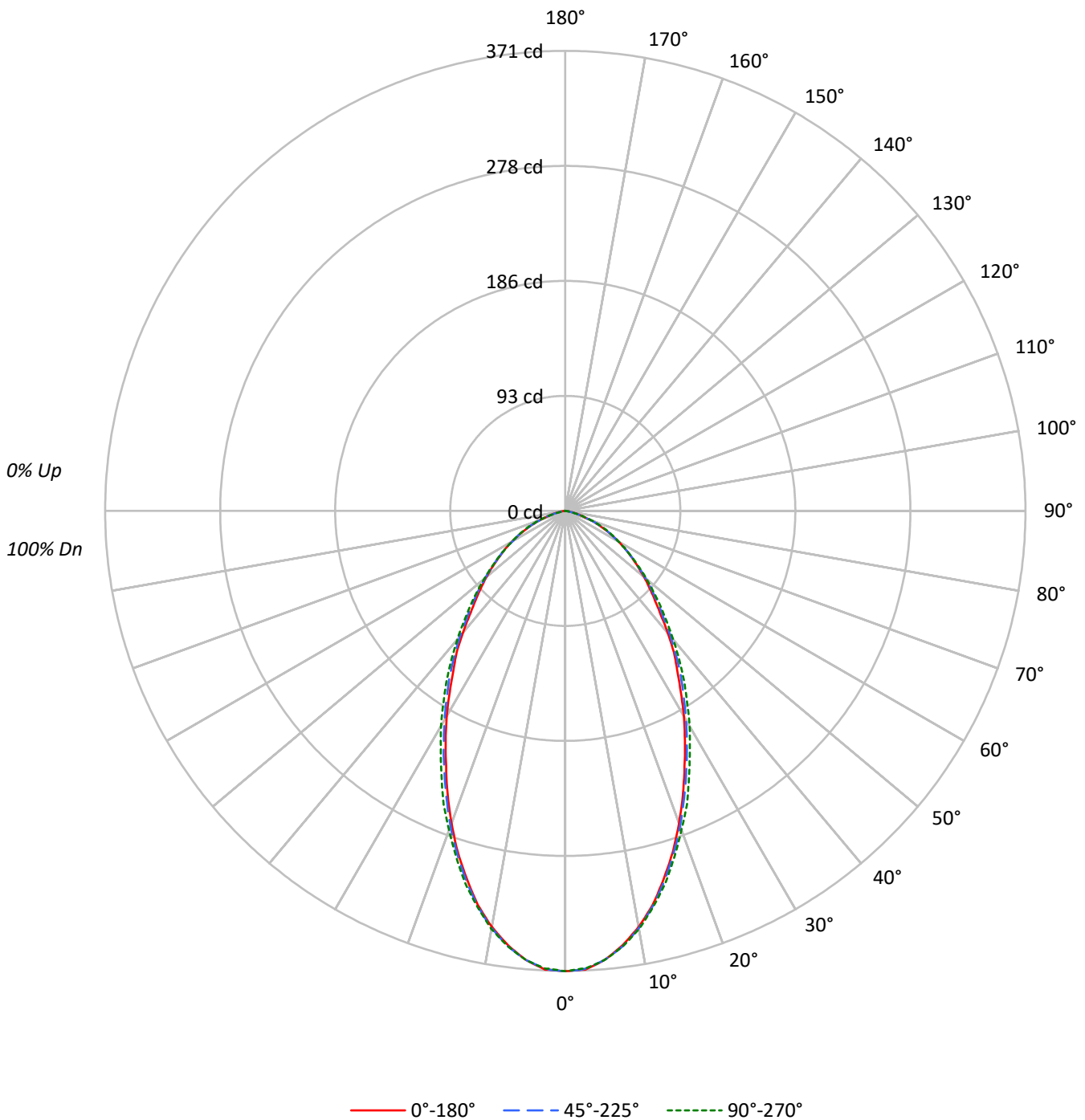
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 517.0 lumens
Efficiency: N/A
Efficacy: 39.5 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





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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	81397	81397	81397
5°	80035	80035	80035
10°	75861	76062	76240
15°	69671	70057	70647
20°	62539	63145	63916
25°	55019	55842	57076
30°	48387	49248	50742
35°	42108	43446	44598
40°	36783	37756	38730
45°	31724	32779	33554
50°	28281	28860	29133
55°	24888	25232	25232
60°	21884	21490	21884
65°	18005	18420	18887
70°	14105	14105	14618
75°	9320	8557	8557
80°	5304	4293	3157
85°	2013	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 33554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	6.6
10°-20°	86.2	16.7
20°-30°	106.3	20.6
30°-40°	101.3	19.6
40°-50°	82.0	15.9
50°-60°	59.0	11.4
60°-70°	35.3	6.8
70°-80°	11.8	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°	226.5	43.8
0°-40°	327.8	63.4
0°-60°	468.8	90.7
0°-90°	517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	371	371	371	371	371	
5°	364	364	364	364	364	34
15°	307	308	309	310	311	86
25°	227	229	231	234	236	105
35°	157	159	162	165	167	99
45°	102	104	106	108	108	80
55°	65	65	66	66	66	59
65°	35	36	36	36	36	35
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°	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2
2°	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	369.5
2.5°	370.3	369.5	369.5	369.5	369.5	369.5	369.5	369.5	369.5	370.3	369.5
5°	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6	364.4	363.6	363.6
7.5°	353.4	353.4	353.4	353.4	354.3	354.3	354.3	354.3	355.1	355.1	354.3
10°	340.7	340.7	340.7	340.7	341.6	341.6	342.4	341.6	341.6	342.4	342.4
12.5°	325.5	324.7	324.7	324.7	325.5	326.4	326.4	326.4	327.2	327.2	327.2
15°	306.9	306.9	306.9	307.8	307.8	308.6	309.5	309.5	310.3	310.3	311.2
17.5°	288.3	288.3	287.5	288.3	289.2	290.0	290.9	291.7	292.5	292.5	292.5
20°	268.0	267.2	268.0	268.9	269.7	270.6	271.4	273.1	273.9	273.9	273.9
22.5°	247.7	246.9	247.7	248.6	249.4	250.3	252.8	253.7	254.5	254.5	256.2
25°	227.4	227.4	228.3	229.1	230.0	230.8	232.5	234.2	235.1	235.9	235.9
27.5°	208.8	208.8	208.8	208.8	210.5	212.2	213.9	215.6	216.5	217.3	217.3
30°	191.1	190.2	190.2	191.1	192.8	194.5	196.2	197.9	198.7	199.5	200.4
32.5°	173.3	173.3	173.3	174.2	175.0	177.6	179.2	180.1	181.8	182.6	182.6
35°	157.3	157.3	157.3	159.0	160.6	162.3	163.2	164.9	166.6	166.6	166.6
37.5°	143.7	144.6	146.3	145.4	145.4	146.3	147.1	148.8	150.5	150.5	150.5
40°	128.5	129.4	130.2	129.4	130.2	131.9	132.7	133.6	134.4	135.3	135.3
42.5°	114.1	114.1	114.1	115.0	116.7	117.5	119.2	120.1	120.9	120.9	120.9
45°	102.3	102.3	103.2	104.0	104.8	105.7	106.5	107.4	108.2	108.2	108.2
47.5°	92.2	92.2	93.0	93.0	93.9	94.7	95.5	95.5	96.4	97.2	96.4
50°	82.9	82.9	82.9	83.7	83.7	84.6	84.6	85.4	85.4	85.4	85.4
52.5°	73.6	73.6	73.6	73.6	74.4	74.4	74.4	75.3	75.3	75.3	75.3
55°	65.1	65.1	65.1	65.1	65.1	66.0	66.0	66.0	66.0	66.0	66.0
57.5°	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
60°	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
62.5°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	43.1	43.1	43.1	43.1
65°	34.7	35.5	35.5	35.5	35.5	35.5	35.5	36.4	36.4	36.4	36.4
67.5°	27.9	28.7	28.7	28.7	28.7	28.7	28.7	28.7	29.6	29.6	29.6
70°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.8
72.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	16.1	16.1	16.1
75°	11.0	11.0	11.0	11.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1
77.5°	7.6	7.6	7.6	6.8	6.8	5.9	5.9	5.9	5.9	5.9	5.1
80°	4.2	4.2	4.2	4.2	4.2	3.4	3.4	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)