

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_4000K

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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 80CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

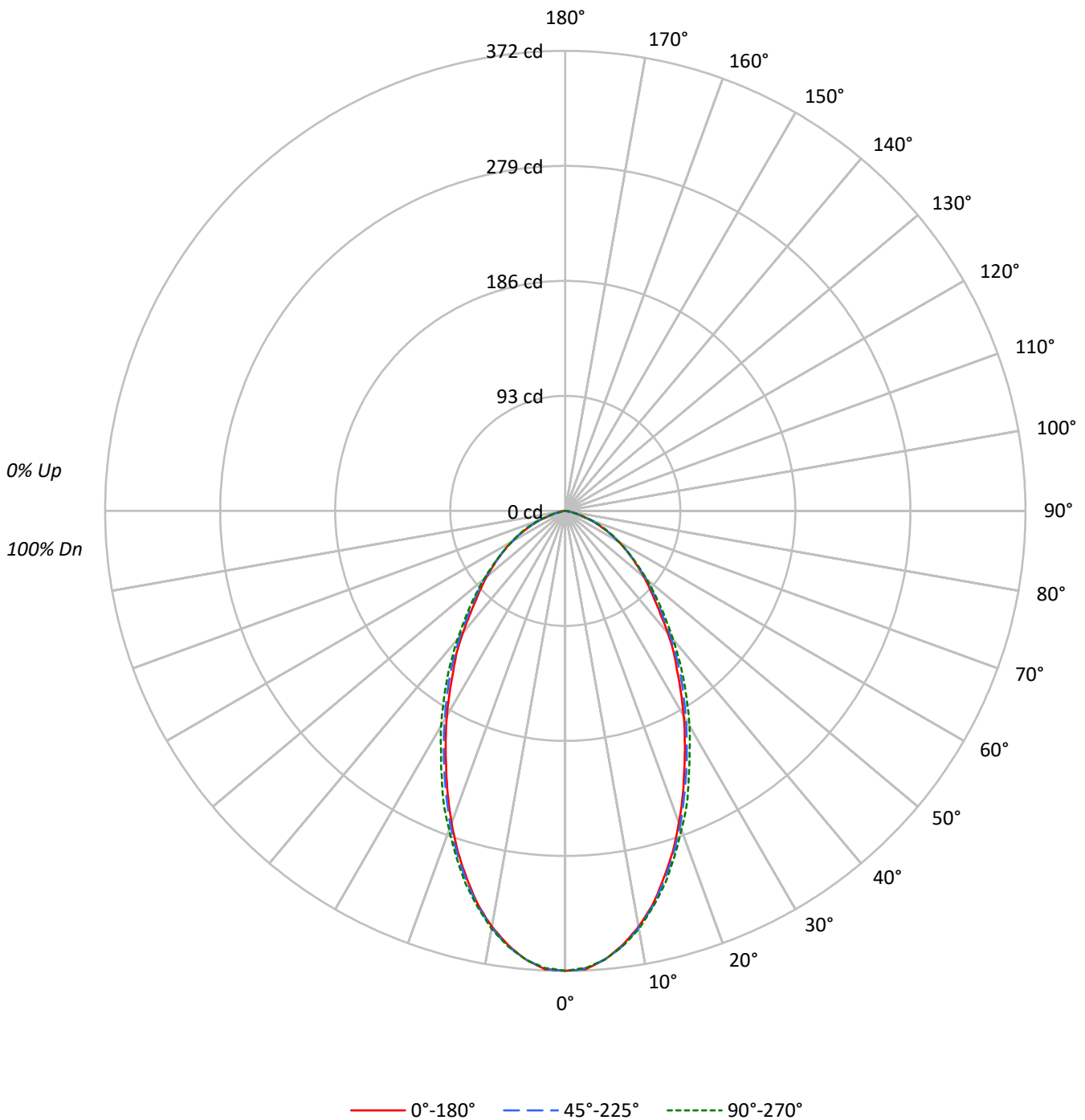
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 518.0 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	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°	81550	81550	81550
5°	80189	80189	80189
10°	76017	76195	76396
15°	69807	70193	70784
20°	62655	63262	64056
25°	55140	55963	57197
30°	48488	49324	50843
35°	42188	43554	44678
40°	36869	37842	38787
45°	31786	32841	33616
50°	28315	28895	29202
55°	24926	25270	25270
60°	21928	21533	21928
65°	18005	18471	18887
70°	14105	14105	14682
75°	9320	8642	8642
80°	5304	4293	3157
85°	2013	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 33616 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	6.6
10°-20°	86.4	16.7
20°-30°	106.5	20.6
30°-40°	101.5	19.6
40°-50°	82.1	15.9
50°-60°	59.1	11.4
60°-70°	35.4	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°	227.0	43.8
0°-40°	328.5	63.4
0°-60°	469.7	90.7
0°-90°	518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	372	372	372	372	372	
5°	364	364	364	364	364	34
15°	308	308	309	310	312	86
25°	228	229	231	235	236	105
35°	158	159	163	166	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°	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9
2°	371.1	371.1	371.1	371.1	371.1	371.1	371.1	371.1	371.1	371.1	370.2
2.5°	371.1	370.2	370.2	370.2	370.2	370.2	370.2	370.2	370.2	371.1	370.2
5°	364.3	364.3	364.3	364.3	364.3	364.3	364.3	364.3	365.1	364.3	364.3
7.5°	354.1	354.1	354.1	354.1	355.0	355.0	355.0	355.0	355.8	355.8	355.0
10°	341.4	341.4	341.4	341.4	342.2	342.2	343.1	342.2	342.2	343.1	343.1
12.5°	326.2	325.3	325.3	325.3	326.2	327.0	327.0	327.0	327.8	327.8	327.8
15°	307.5	307.5	307.5	308.4	308.4	309.2	310.1	310.1	310.9	310.9	311.8
17.5°	288.9	288.9	288.0	288.9	289.7	290.6	291.4	292.3	293.1	293.1	293.1
20°	268.5	267.7	268.5	269.4	270.2	271.1	271.9	273.6	274.5	274.5	274.5
22.5°	248.2	247.4	248.2	249.1	249.9	250.8	253.3	254.1	255.0	255.0	256.7
25°	227.9	227.9	228.7	229.6	230.4	231.3	233.0	234.7	235.5	236.4	236.4
27.5°	209.2	209.2	209.2	209.2	210.9	212.6	214.3	216.0	216.9	217.7	217.7
30°	191.5	190.6	190.6	191.5	193.2	194.8	196.5	198.2	199.1	199.9	200.8
32.5°	173.7	173.7	173.7	174.5	175.4	177.9	179.6	180.4	182.1	183.0	183.0
35°	157.6	157.6	157.6	159.3	161.0	162.7	163.5	165.2	166.9	166.9	166.9
37.5°	144.0	144.9	146.6	145.7	145.7	146.6	147.4	149.1	150.8	150.8	150.8
40°	128.8	129.6	130.5	129.6	130.5	132.2	133.0	133.9	134.7	135.5	135.5
42.5°	114.4	114.4	114.4	115.2	116.9	117.8	119.4	120.3	121.1	121.1	121.1
45°	102.5	102.5	103.4	104.2	105.0	105.9	106.7	107.6	108.4	108.4	108.4
47.5°	92.3	92.3	93.2	93.2	94.0	94.9	95.7	95.7	96.6	97.4	96.6
50°	83.0	83.0	83.0	83.9	83.9	84.7	84.7	85.6	85.6	85.6	85.6
52.5°	73.7	73.7	73.7	73.7	74.5	74.5	74.5	75.4	75.4	75.4	75.4
55°	65.2	65.2	65.2	65.2	65.2	66.1	66.1	66.1	66.1	66.1	66.1
57.5°	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
60°	50.0	50.0	50.0	50.0	50.0	49.1	50.0	50.0	50.0	50.0	50.0
62.5°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	43.2	43.2	43.2	43.2
65°	34.7	35.6	35.6	35.6	35.6	35.6	35.6	36.4	36.4	36.4	36.4
67.5°	28.0	28.8	28.8	28.8	28.8	28.8	28.8	28.8	29.7	29.7	29.7
70°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.9
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	10.2	10.2	10.2	10.2	10.2	10.2	10.2
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)