

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\_5000K

Issue Date: 5/8/2026

**Test Information**

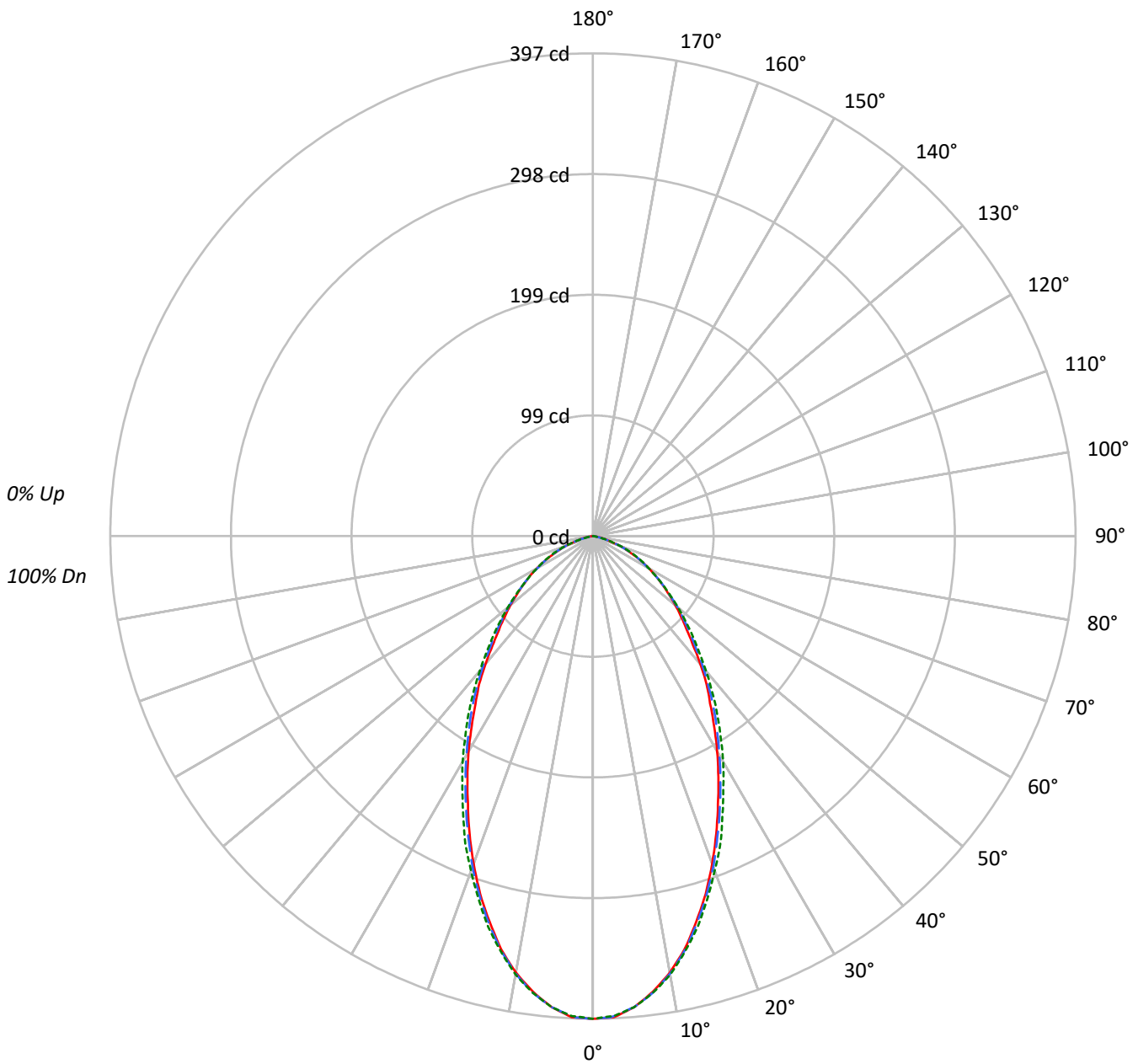
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R70B2750DE010 E3CLDWW1MB\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3CLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 553.0 lumens  
Efficiency: N/A  
Efficacy: 42.2 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°	87054	87054	87054
5°	85604	85604	85604
10°	81161	81361	81562
15°	74529	74938	75551
20°	66902	67533	68373
25°	58866	59737	61044
30°	51755	52666	54262
35°	45026	46471	47703
40°	39359	40390	41420
45°	33926	35042	35911
50°	30225	30839	31146
55°	26608	26952	26952
60°	23419	23024	23419
65°	19250	19717	20184
70°	15067	15067	15644
75°	9997	9235	9235
80°	5683	4546	3410
85°	2264	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 35911 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.4	6.6
10°-20°	92.2	16.7
20°-30°	113.7	20.6
30°-40°	108.4	19.6
40°-50°	87.7	15.9
50°-60°	63.1	11.4
60°-70°	37.8	6.8
70°-80°	12.7	2.3
80°-90°	1.1	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°	242.3	43.8
0°-40°	350.6	63.4
0°-60°	501.4	90.7
0°-90°	553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	397	397	397	397	397	
5°	389	389	389	389	389	36
15°	328	329	330	331	333	92
25°	243	245	247	251	252	112
35°	168	170	174	177	178	106
45°	109	111	113	115	116	85
55°	70	70	70	70	70	63
65°	37	38	38	39	39	37
75°	12	12	11	11	11	13
85°	1	1	0	0	0	2
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°	397.0	397.0	397.0	397.0	397.0	397.0	397.0	397.0	397.0	397.0	397.0
2°	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1	395.2
2.5°	396.1	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2	396.1	395.2
5°	388.9	388.9	388.9	388.9	388.9	388.9	388.9	388.9	389.8	388.9	388.9
7.5°	378.0	378.0	378.0	378.0	378.9	378.9	378.9	378.9	379.8	379.8	378.9
10°	364.5	364.5	364.5	364.5	365.4	365.4	366.3	365.4	365.4	366.3	366.3
12.5°	348.2	347.3	347.3	347.3	348.2	349.1	349.1	349.1	350.0	350.0	350.0
15°	328.3	328.3	328.3	329.2	329.2	330.1	331.0	331.0	331.9	331.9	332.8
17.5°	308.4	308.4	307.5	308.4	309.3	310.2	311.1	312.0	312.9	312.9	312.9
20°	286.7	285.8	286.7	287.6	288.5	289.4	290.3	292.1	293.0	293.0	293.0
22.5°	265.0	264.1	265.0	265.9	266.8	267.7	270.4	271.3	272.2	272.2	274.0
25°	243.3	243.3	244.2	245.1	246.0	246.9	248.7	250.5	251.4	252.3	252.3
27.5°	223.4	223.4	223.4	223.4	225.2	227.0	228.8	230.6	231.5	232.4	232.4
30°	204.4	203.5	203.5	204.4	206.2	208.0	209.8	211.6	212.5	213.4	214.3
32.5°	185.4	185.4	185.4	186.3	187.2	189.9	191.7	192.6	194.4	195.3	195.3
35°	168.2	168.2	168.2	170.0	171.8	173.6	174.5	176.4	178.2	178.2	178.2
37.5°	153.7	154.7	156.5	155.6	155.6	156.5	157.4	159.2	161.0	161.0	161.0
40°	137.5	138.4	139.3	138.4	139.3	141.1	142.0	142.9	143.8	144.7	144.7
42.5°	122.1	122.1	122.1	123.0	124.8	125.7	127.5	128.4	129.3	129.3	129.3
45°	109.4	109.4	110.3	111.2	112.1	113.0	114.0	114.9	115.8	115.8	115.8
47.5°	98.6	98.6	99.5	99.5	100.4	101.3	102.2	102.2	103.1	104.0	103.1
50°	88.6	88.6	88.6	89.5	89.5	90.4	90.4	91.3	91.3	91.3	91.3
52.5°	78.7	78.7	78.7	78.7	79.6	79.6	79.6	80.5	80.5	80.5	80.5
55°	69.6	69.6	69.6	69.6	69.6	70.5	70.5	70.5	70.5	70.5	70.5
57.5°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
60°	53.4	53.4	53.4	53.4	53.4	52.5	53.4	53.4	53.4	53.4	53.4
62.5°	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.1	46.1	46.1	46.1
65°	37.1	38.0	38.0	38.0	38.0	38.0	38.0	38.9	38.9	38.9	38.9
67.5°	29.8	30.7	30.7	30.7	30.7	30.7	30.7	30.7	31.7	31.7	31.7
70°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	24.4
72.5°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	17.2	17.2	17.2
75°	11.8	11.8	11.8	11.8	10.9	10.9	10.9	10.9	10.9	10.9	10.9
77.5°	8.1	8.1	8.1	7.2	7.2	6.3	6.3	6.3	6.3	6.3	5.4
80°	4.5	4.5	4.5	4.5	4.5	3.6	3.6	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	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)