

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\_3000K

Issue Date: 5/8/2026

**Test Information**

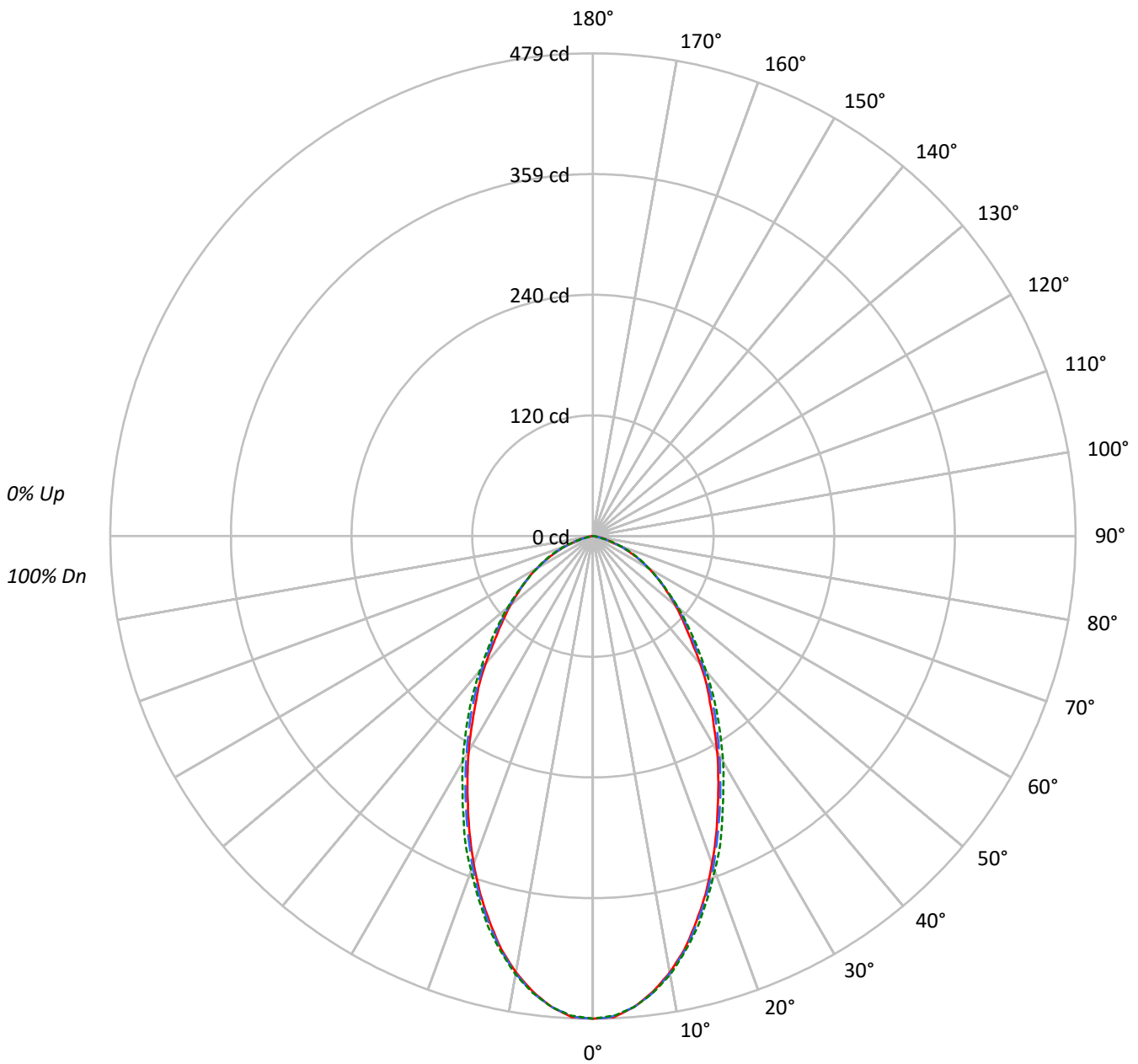
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R70B2750DE010 E3CLDWW1MW\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 667.0 lumens  
Efficiency: N/A  
Efficacy: 34.9 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): 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



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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	105014	105014	105014
5°	103257	103257	103257
10°	97883	98128	98373
15°	89898	90398	91124
20°	80694	81464	82467
25°	70988	72053	73625
30°	62415	63529	65453
35°	54315	56055	57527
40°	47460	48720	49951
45°	40934	42299	43291
50°	36468	37218	37594
55°	32114	32534	32534
60°	28243	27761	28243
65°	23193	23764	24335
70°	18208	18208	18913
75°	12031	11099	11099
80°	6945	5556	4167
85°	2768	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 43291 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.9	6.6
10°-20°	111.2	16.7
20°-30°	137.2	20.6
30°-40°	130.7	19.6
40°-50°	105.7	15.9
50°-60°	76.2	11.4
60°-70°	45.6	6.8
70°-80°	15.3	2.3
80°-90°	1.3	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°	292.2	43.8
0°-40°	422.9	63.4
0°-60°	604.8	90.7
0°-90°	667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	667.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	479	479	479	479	479	
5°	469	469	469	469	469	44
15°	396	397	398	399	401	111
25°	293	295	298	302	304	135
35°	203	205	209	213	215	128
45°	132	134	136	139	140	103
55°	84	84	85	85	85	76
65°	45	46	46	47	47	45
75°	14	14	13	13	13	16
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°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2°	477.8	477.8	477.8	477.8	477.8	477.8	477.8	477.8	477.8	477.8	476.7
2.5°	477.8	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	477.8	476.7
5°	469.1	469.1	469.1	469.1	469.1	469.1	469.1	469.1	470.1	469.1	469.1
7.5°	456.0	456.0	456.0	456.0	457.1	457.1	457.1	457.1	458.1	458.1	457.1
10°	439.6	439.6	439.6	439.6	440.7	440.7	441.8	440.7	440.7	441.8	441.8
12.5°	420.0	418.9	418.9	418.9	420.0	421.1	421.1	421.1	422.2	422.2	422.2
15°	396.0	396.0	396.0	397.1	397.1	398.2	399.2	399.2	400.3	400.3	401.4
17.5°	372.0	372.0	370.9	372.0	373.1	374.2	375.2	376.3	377.4	377.4	377.4
20°	345.8	344.7	345.8	346.9	348.0	349.1	350.2	352.3	353.4	353.4	353.4
22.5°	319.6	318.5	319.6	320.7	321.8	322.9	326.2	327.2	328.3	328.3	330.5
25°	293.4	293.4	294.5	295.6	296.7	297.8	300.0	302.2	303.3	304.3	304.3
27.5°	269.4	269.4	269.4	269.4	271.6	273.8	276.0	278.2	279.3	280.3	280.3
30°	246.5	245.4	245.4	246.5	248.7	250.9	253.1	255.3	256.3	257.4	258.5
32.5°	223.6	223.6	223.6	224.7	225.8	229.1	231.3	232.3	234.5	235.6	235.6
35°	202.9	202.9	202.9	205.1	207.3	209.4	210.5	212.7	214.9	214.9	214.9
37.5°	185.4	186.5	188.7	187.6	187.6	188.7	189.8	192.0	194.2	194.2	194.2
40°	165.8	166.9	168.0	166.9	168.0	170.2	171.3	172.4	173.4	174.5	174.5
42.5°	147.3	147.3	147.3	148.4	150.5	151.6	153.8	154.9	156.0	156.0	156.0
45°	132.0	132.0	133.1	134.2	135.3	136.4	137.4	138.5	139.6	139.6	139.6
47.5°	118.9	118.9	120.0	120.0	121.1	122.2	123.3	123.3	124.4	125.4	124.4
50°	106.9	106.9	106.9	108.0	108.0	109.1	109.1	110.2	110.2	110.2	110.2
52.5°	94.9	94.9	94.9	94.9	96.0	96.0	96.0	97.1	97.1	97.1	97.1
55°	84.0	84.0	84.0	84.0	84.0	85.1	85.1	85.1	85.1	85.1	85.1
57.5°	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
60°	64.4	64.4	64.4	64.4	64.4	63.3	64.4	64.4	64.4	64.4	64.4
62.5°	54.5	54.5	54.5	54.5	54.5	54.5	54.5	55.6	55.6	55.6	55.6
65°	44.7	45.8	45.8	45.8	45.8	45.8	45.8	46.9	46.9	46.9	46.9
67.5°	36.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	38.2	38.2	38.2
70°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	29.5
72.5°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	20.7	20.7	20.7
75°	14.2	14.2	14.2	14.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1
77.5°	9.8	9.8	9.8	8.7	8.7	7.6	7.6	7.6	7.6	7.6	6.5
80°	5.5	5.5	5.5	5.5	5.5	4.4	4.4	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	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)