

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 E3LCWW1WMH\_3000K

Issue Date: 5/8/2026

**Test Information**

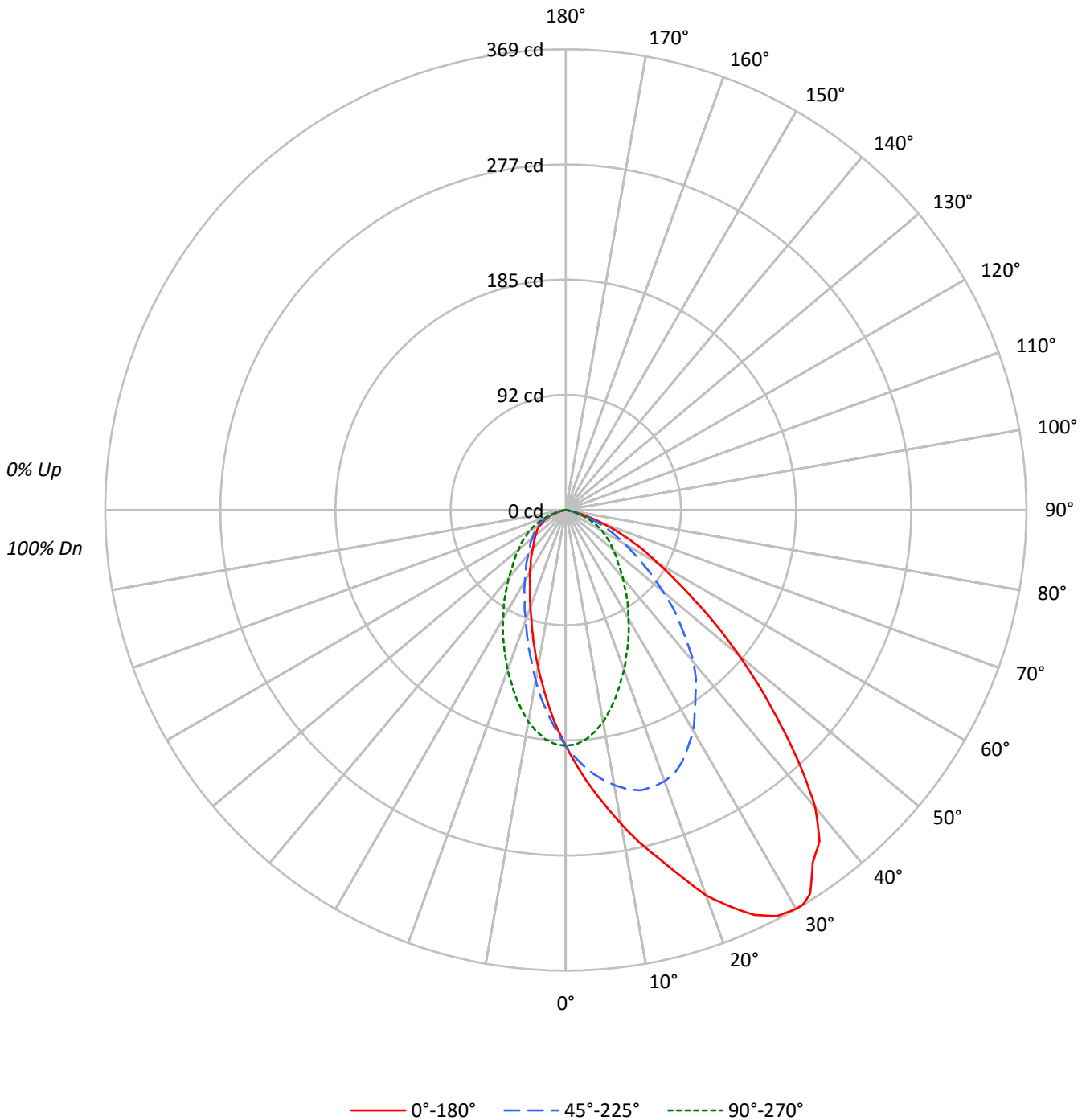
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R70B2750DE010 E3LCWW1WMH\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 384.0 lumens  
Efficiency: N/A  
Efficacy: 20.1 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18  
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





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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	100				100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76				76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66				66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58				58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51				51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46				46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41				41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37				37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34				34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31				31

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

	0°	45°	90°	135°	180°
0°	41400	41400	41400	41400	41400
5°	48756	46115	40590	36033	34581
10°	56846	49810	38387	30861	28434
15°	65630	52759	35165	26016	23292
20°	76633	53975	31829	21889	19345
25°	86594	53592	28502	18751	16356
30°	93381	51654	25422	16585	14635
35°	92300	48479	22781	14884	13144
40°	88995	45600	20295	13425	11879
45°	75450	40252	18265	12528	11164
50°	61780	34626	16750	11906	10780
55°	47979	28788	15866	11660	10857
60°	37322	23945	14823	11490	10043
65°	29419	19821	13023	10740	9599
70°	20260	14682	10515	9104	8399
75°	10167	8303	7371	6439	5507
80°	1389	2778	4167	2778	1389
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 75450 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.7	4.6
10°-20°	49.2	12.8
20°-30°	72.5	18.9
30°-40°	81.2	21.2
40°-50°	71.4	18.6
50°-60°	51.1	13.3
60°-70°	30.3	7.9
70°-80°	10.2	2.6
80°-90°	0.5	0.1
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°	139.3	36.3
0°-40°	220.5	57.4
0°-60°	343.1	89.3
0°-90°	384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	189	189	189	189	189	
5°	222	210	184	164	157	22
15°	289	232	155	115	103	83
25°	358	222	118	78	68	165
35°	345	181	85	56	49	217
45°	243	130	59	40	36	188
55°	126	75	42	30	28	115
65°	57	38	25	21	18	57
75°	12	10	9	8	6	15
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8
2.5°	205.1	205.1	205.1	202.9	202.9	199.7	197.5	194.2	192.0	188.8	187.7
5°	221.5	221.5	219.3	217.1	213.8	209.5	204.0	198.6	192.0	186.6	184.4
7.5°	237.8	238.9	235.7	231.3	224.8	217.1	209.5	200.8	190.9	183.3	178.9
10°	255.3	255.3	250.9	244.4	234.6	223.7	211.7	199.7	187.7	176.8	172.4
12.5°	272.8	271.7	266.2	256.4	244.4	229.1	212.8	197.5	183.3	170.2	163.7
15°	289.1	289.1	281.5	269.5	252.0	232.4	212.8	193.1	176.8	161.5	154.9
17.5°	307.7	307.7	297.9	279.3	257.5	232.4	209.5	187.7	169.1	152.7	145.1
20°	328.4	327.3	313.1	288.0	259.7	231.3	205.1	181.1	160.4	142.9	136.4
22.5°	343.7	342.6	326.2	295.7	260.8	228.0	197.5	172.4	151.7	134.2	126.6
25°	357.9	355.7	337.1	298.9	258.6	221.5	189.8	162.6	142.9	125.5	117.8
27.5°	366.6	365.5	344.8	297.9	253.1	212.8	180.0	153.8	133.1	115.7	109.1
30°	368.8	369.9	344.8	292.4	244.4	204.0	170.2	144.0	123.3	108.0	100.4
31°	368.8	369.9	342.6	289.1	241.1	199.7	165.8	140.7	118.9	103.6	97.1
32.5°	364.4	362.2	339.3	283.7	233.5	192.0	160.4	135.3	113.5	98.2	92.7
35°	344.8	345.9	328.4	271.7	222.6	181.1	149.5	124.4	103.6	90.6	85.1
37.5°	333.9	333.9	302.2	255.3	210.6	171.3	136.4	112.4	94.9	82.9	77.5
40°	310.9	307.7	278.2	237.8	196.4	159.3	128.7	104.7	87.3	75.3	70.9
42.5°	278.2	274.9	252.0	222.6	177.8	144.0	122.2	92.7	78.6	68.7	64.4
45°	243.3	241.1	223.7	196.4	160.4	129.8	105.8	85.1	72.0	62.2	58.9
47.5°	211.7	208.4	195.3	174.6	145.1	116.7	91.6	76.4	64.4	56.7	54.6
50°	181.1	180.0	169.1	152.7	128.7	101.5	80.7	67.6	58.9	52.4	49.1
52.5°	152.7	150.6	145.1	132.0	112.4	88.4	70.9	60.0	52.4	48.0	45.8
55°	125.5	125.5	120.0	111.3	96.0	75.3	62.2	53.5	46.9	43.6	41.5
57.5°	103.6	103.6	99.3	93.8	79.6	64.4	54.6	46.9	42.6	39.3	37.1
60°	85.1	85.1	81.8	76.4	66.6	54.6	46.9	41.5	38.2	34.9	33.8
62.5°	70.9	69.8	67.6	62.2	54.6	45.8	40.4	36.0	32.7	30.5	29.5
65°	56.7	55.6	53.5	49.1	43.6	38.2	33.8	30.5	28.4	26.2	25.1
67.5°	43.6	43.6	41.5	38.2	33.8	30.5	27.3	25.1	22.9	21.8	20.7
70°	31.6	31.6	30.5	28.4	25.1	22.9	20.7	19.6	18.5	17.5	16.4
72.5°	21.8	21.8	20.7	19.6	17.5	16.4	14.2	14.2	13.1	13.1	12.0
75°	12.0	12.0	12.0	10.9	10.9	9.8	9.8	9.8	8.7	8.7	8.7
77.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
80°	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	3.3	3.3	3.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8
2.5°	186.6	183.3	181.1	180.0	176.8	175.7	174.6	173.5	173.5	173.5
5°	182.2	176.8	171.3	168.0	163.7	161.5	159.3	158.2	157.1	157.1
7.5°	174.6	168.0	161.5	156.0	151.7	147.3	145.1	142.9	142.9	141.8
10°	166.9	158.2	150.6	142.9	138.6	133.1	130.9	128.7	127.7	127.7
12.5°	158.2	147.3	138.6	132.0	125.5	121.1	117.8	115.7	114.6	114.6
15°	148.4	137.5	127.7	121.1	114.6	109.1	105.8	103.6	102.6	102.6
17.5°	138.6	127.7	116.7	110.2	103.6	98.2	96.0	93.8	92.7	91.6
20°	129.8	116.7	108.0	99.3	93.8	89.5	86.2	84.0	82.9	82.9
22.5°	120.0	108.0	98.2	91.6	86.2	81.8	77.5	76.4	75.3	75.3
25°	110.2	99.3	90.6	84.0	77.5	74.2	70.9	68.7	68.7	67.6
27.5°	102.6	91.6	82.9	76.4	72.0	67.6	65.5	63.3	62.2	62.2
30°	93.8	84.0	76.4	70.9	65.5	62.2	60.0	57.8	57.8	57.8
31°	91.6	81.8	74.2	67.6	63.3	60.0	57.8	56.7	55.6	55.6
32.5°	86.2	77.5	69.8	64.4	60.0	56.7	54.6	53.5	53.5	52.4
35°	79.6	70.9	64.4	58.9	55.6	52.4	50.2	49.1	49.1	49.1
37.5°	73.1	65.5	58.9	54.6	51.3	48.0	46.9	44.7	44.7	44.7
40°	66.6	60.0	54.6	50.2	46.9	44.7	43.6	42.6	41.5	41.5
42.5°	61.1	54.6	50.2	46.9	43.6	41.5	40.4	39.3	39.3	38.2
45°	55.6	50.2	46.9	43.6	40.4	39.3	38.2	37.1	36.0	36.0
47.5°	51.3	46.9	42.6	40.4	38.2	36.0	34.9	34.9	33.8	33.8
50°	46.9	42.6	39.3	37.1	34.9	33.8	32.7	32.7	31.6	31.6
52.5°	43.6	39.3	37.1	34.9	32.7	31.6	30.5	30.5	29.5	29.5
55°	39.3	36.0	33.8	32.7	30.5	29.5	28.4	27.3	27.3	28.4
57.5°	36.0	33.8	31.6	30.5	28.4	27.3	26.2	26.2	25.1	26.2
60°	32.7	30.5	28.4	27.3	26.2	25.1	24.0	22.9	22.9	22.9
62.5°	29.5	27.3	26.2	24.0	22.9	22.9	21.8	21.8	21.8	20.7
65°	25.1	24.0	22.9	21.8	20.7	19.6	19.6	18.5	18.5	18.5
67.5°	20.7	19.6	18.5	18.5	17.5	16.4	16.4	16.4	16.4	15.3
70°	16.4	15.3	15.3	14.2	14.2	14.2	13.1	13.1	13.1	13.1
72.5°	12.0	12.0	10.9	10.9	10.9	10.9	9.8	9.8	9.8	9.8
75°	8.7	8.7	8.7	7.6	7.6	7.6	6.5	6.5	6.5	6.5
77.5°	5.5	5.5	5.5	5.5	5.5	4.4	4.4	4.4	4.4	4.4
80°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)