

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 E3LSWW1WMH\_3000K

Issue Date: 5/8/2026

**Test Information**

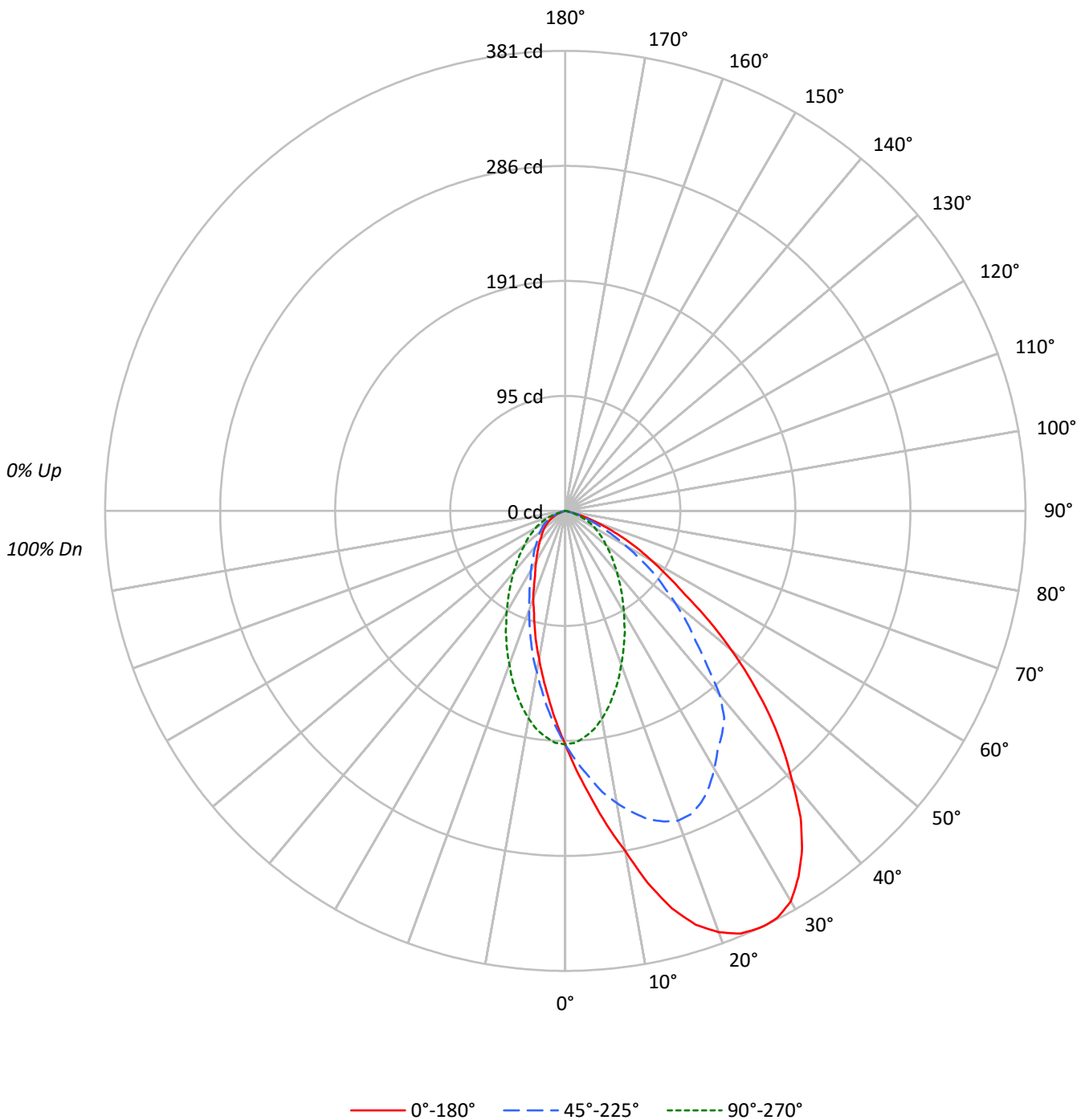
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R70B2750DE010 E3LSWW1WMH\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LSWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 385.0 lumens  
Efficiency: N/A  
Efficacy: 20.2 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23  
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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

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

	0°	45°	90°	135°	180°
0°	42387	42387	42387	42387	42387
5°	52168	48558	41338	36298	34382
10°	63704	54708	38899	30149	27722
15°	77344	60000	35460	25040	22316
20°	86644	63706	31596	20395	18085
25°	92207	64455	27994	16912	14275
30°	94572	62491	24611	14382	12154
35°	91497	60498	21630	12287	10520
40°	83757	56878	19064	10935	9389
45°	74147	47416	16932	10172	8466
50°	61473	40596	14908	9313	7812
55°	46335	33796	13763	8755	7111
60°	36401	25393	12455	8157	6228
65°	27188	18679	10740	6797	5085
70°	17503	11925	7694	4873	2821
75°	7371	6439	3728	1864	932
80°	1389	1389	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 74147 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.3	4.8
10°-20°	52.8	13.7
20°-30°	77.2	20.0
30°-40°	84.1	21.8
40°-50°	72.8	18.9
50°-60°	48.7	12.7
60°-70°	25.2	6.5
70°-80°	6.0	1.5
80°-90°	0.1	0.0
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
<b>0°-30°</b>	<b>148.3</b>	<b>38.5</b>
<b>0°-40°</b>	<b>232.3</b>	<b>60.3</b>
<b>0°-60°</b>	<b>353.8</b>	<b>91.9</b>
<b>0°-90°</b>	<b>385.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>385.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	193	193	193	193	193	
5°	237	221	188	165	156	24
15°	341	264	156	110	98	97
25°	381	266	116	70	59	175
35°	342	226	81	46	39	212
45°	239	153	55	33	27	183
55°	121	88	36	23	19	112
65°	52	36	21	13	10	53
75°	9	8	4	2	1	11
85°	0	0	0	0	0	0
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°	193.3	193.3	193.3	193.3	193.3	193.3	193.3	193.3	193.3	193.3	193.3
2.5°	215.1	214.0	214.0	211.8	209.7	207.5	204.2	200.9	197.6	194.4	192.2
5°	237.0	238.0	237.0	232.6	227.1	220.6	214.0	206.4	198.7	192.2	187.8
7.5°	262.1	262.1	258.8	253.3	245.7	234.8	223.9	210.7	198.7	187.8	182.4
10°	286.1	286.1	280.6	271.9	259.9	245.7	230.4	212.9	196.6	181.3	174.7
12.5°	315.6	314.5	307.9	293.7	276.3	255.5	234.8	212.9	193.3	174.7	166.0
15°	340.7	339.6	330.9	313.4	290.5	264.3	235.9	210.7	186.7	166.0	156.2
17.5°	359.3	357.1	347.2	328.7	302.5	269.7	237.0	206.4	179.1	156.2	146.3
20°	371.3	370.2	359.3	337.4	309.0	273.0	235.9	200.9	171.4	146.3	135.4
22.5°	378.9	376.7	365.8	341.8	309.0	271.9	231.5	193.3	161.6	136.5	125.6
25°	381.1	380.0	366.9	340.7	305.7	266.4	224.9	185.6	151.8	126.7	115.7
26°	381.1	380.0	366.9	339.6	303.6	263.2	221.7	182.4	148.5	122.3	112.5
27.5°	380.0	378.9	364.7	336.3	299.2	257.7	215.1	175.8	142.0	116.8	105.9
30°	373.5	371.3	357.1	328.7	289.4	246.8	204.2	166.0	132.1	107.0	97.2
32.5°	359.3	357.1	341.8	315.6	278.5	234.8	192.2	155.1	122.3	97.2	88.4
35°	341.8	339.6	324.3	299.2	263.2	226.0	179.1	143.0	111.4	89.5	80.8
37.5°	319.9	316.7	303.6	277.4	244.6	216.2	168.2	131.0	101.6	80.8	73.2
40°	292.6	291.6	279.5	255.5	222.8	198.7	161.6	131.0	92.8	73.2	66.6
42.5°	266.4	264.3	253.3	232.6	203.1	173.6	142.0	125.6	86.3	65.5	60.1
45°	239.1	237.0	227.1	209.7	182.4	152.9	129.9	108.1	74.3	60.1	54.6
47.5°	209.7	207.5	199.8	186.7	162.7	136.5	111.4	88.4	67.7	53.5	49.1
50°	180.2	181.3	174.7	161.6	143.0	119.0	96.1	74.3	57.9	48.0	43.7
52.5°	150.7	149.6	145.2	136.5	123.4	102.6	81.9	63.3	50.2	42.6	40.4
55°	121.2	122.3	120.1	114.7	103.7	88.4	68.8	54.6	44.8	38.2	36.0
57.5°	100.5	101.6	97.2	93.9	85.2	72.1	56.8	45.9	38.2	33.9	31.7
60°	83.0	84.1	80.8	76.4	69.9	57.9	45.9	38.2	33.9	30.6	28.4
62.5°	67.7	66.6	64.4	60.1	54.6	45.9	37.1	31.7	28.4	26.2	25.1
65°	52.4	52.4	50.2	47.0	42.6	36.0	29.5	26.2	24.0	21.8	20.7
67.5°	39.3	39.3	37.1	34.9	30.6	26.2	22.9	20.7	19.7	17.5	16.4
70°	27.3	27.3	26.2	25.1	21.8	18.6	17.5	15.3	14.2	13.1	12.0
72.5°	17.5	17.5	17.5	15.3	14.2	12.0	12.0	10.9	9.8	8.7	8.7
75°	8.7	9.8	8.7	8.7	7.6	7.6	6.6	6.6	5.5	5.5	4.4
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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°	193.3	193.3	193.3	193.3	193.3	193.3	193.3	193.3	193.3	193.3
2.5°	190.0	186.7	184.5	181.3	179.1	176.9	175.8	174.7	174.7	174.7
5°	184.5	179.1	173.6	168.2	164.9	161.6	158.3	157.2	156.2	156.2
7.5°	178.0	169.3	161.6	155.1	149.6	146.3	143.0	140.9	139.8	139.8
10°	169.3	158.3	149.6	140.9	135.4	131.0	128.9	125.6	125.6	124.5
12.5°	159.4	146.3	136.5	128.9	123.4	117.9	114.7	112.5	111.4	111.4
15°	148.5	135.4	124.5	115.7	110.3	104.8	101.6	99.4	98.3	98.3
17.5°	137.6	123.4	112.5	103.7	98.3	92.8	89.5	87.4	87.4	86.3
20°	126.7	112.5	101.6	92.8	87.4	83.0	79.7	77.5	76.4	77.5
22.5°	116.8	102.6	91.7	84.1	77.5	73.2	69.9	68.8	67.7	67.7
25°	105.9	92.8	83.0	75.3	69.9	65.5	62.2	61.1	60.1	59.0
26°	102.6	89.5	79.7	72.1	66.6	62.2	60.1	57.9	56.8	56.8
27.5°	98.3	84.1	75.3	67.7	62.2	59.0	55.7	54.6	53.5	53.5
30°	88.4	76.4	67.7	61.1	56.8	52.4	50.2	49.1	48.0	48.0
32.5°	80.8	68.8	61.1	55.7	51.3	48.0	45.9	43.7	43.7	43.7
35°	73.2	62.2	55.7	50.2	45.9	42.6	41.5	40.4	39.3	39.3
37.5°	66.6	56.8	50.2	45.9	42.6	39.3	37.1	36.0	36.0	36.0
40°	60.1	52.4	45.9	41.5	38.2	36.0	33.9	32.8	32.8	32.8
42.5°	54.6	47.0	42.6	38.2	34.9	32.8	31.7	30.6	29.5	29.5
45°	50.2	43.7	38.2	34.9	32.8	30.6	28.4	27.3	27.3	27.3
47.5°	44.8	40.4	34.9	31.7	29.5	27.3	26.2	25.1	25.1	25.1
50°	41.5	37.1	32.8	29.5	27.3	25.1	24.0	22.9	22.9	22.9
52.5°	37.1	33.9	30.6	27.3	25.1	22.9	21.8	20.7	20.7	20.7
55°	33.9	30.6	27.3	25.1	22.9	20.7	19.7	18.6	18.6	18.6
57.5°	30.6	27.3	25.1	22.9	20.7	19.7	17.5	17.5	16.4	16.4
60°	27.3	24.0	21.8	20.7	18.6	17.5	15.3	14.2	14.2	14.2
62.5°	22.9	21.8	19.7	17.5	15.3	14.2	13.1	12.0	12.0	12.0
65°	19.7	18.6	16.4	14.2	13.1	12.0	10.9	9.8	9.8	9.8
67.5°	16.4	14.2	13.1	12.0	10.9	9.8	8.7	7.6	6.6	7.6
70°	12.0	10.9	9.8	8.7	7.6	6.6	5.5	5.5	4.4	4.4
72.5°	7.6	6.6	6.6	5.5	4.4	4.4	3.3	3.3	2.2	2.2
75°	4.4	4.4	3.3	3.3	2.2	2.2	1.1	1.1	1.1	1.1
77.5°	2.2	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)