

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 E3LCWW1MW\_3000K

Issue Date: 5/8/2026

**Test Information**

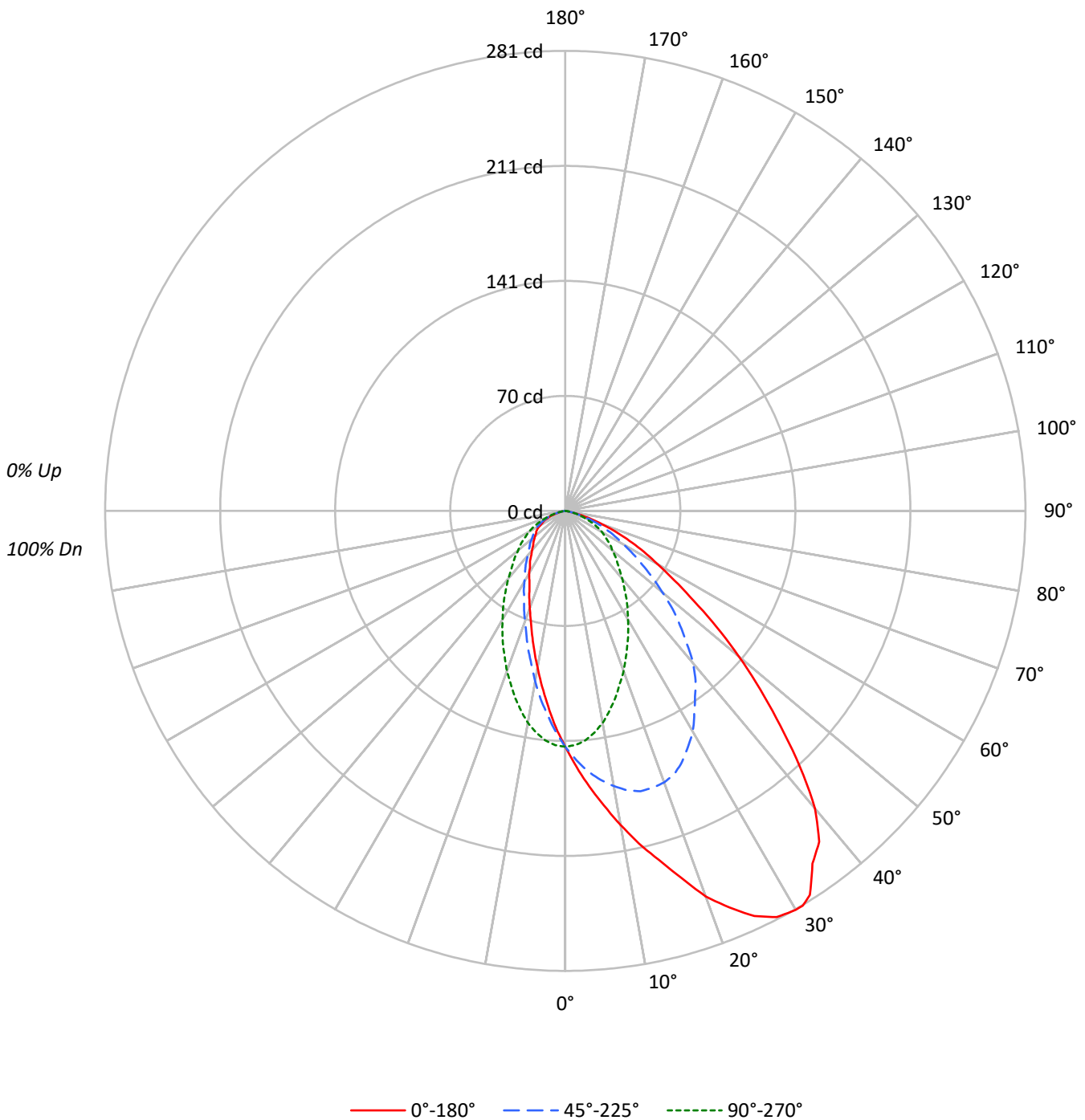
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R70B2750DE010 E3LCWW1MW\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 293.0 lumens  
Efficiency: N/A  
Efficacy: 22.4 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): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31

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

	0°	45°	90°	135°	180°
0°	31576	31576	31576	31576	31576
5°	37200	35175	30971	27493	26392
10°	43375	38009	29280	23536	21687
15°	50080	40250	26833	19841	17775
20°	58478	41187	24292	16708	14771
25°	66076	40889	21751	14299	12485
30°	71251	39424	19395	12635	11166
35°	70430	36995	17373	11377	10038
40°	67927	34779	15486	10248	9046
45°	57556	30732	13955	9551	8528
50°	47146	26404	12793	9074	8221
55°	36587	21944	12081	8908	8258
60°	28463	18244	11315	8771	7675
65°	22467	15099	9910	8198	7368
70°	15451	11220	8014	6924	6411
75°	7795	6354	5676	4914	4236
80°	1010	2147	3157	2147	1010
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 57556 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.5	4.6
10°-20°	37.5	12.8
20°-30°	55.3	18.9
30°-40°	62.0	21.2
40°-50°	54.5	18.6
50°-60°	39.0	13.3
60°-70°	23.1	7.9
70°-80°	7.8	2.6
80°-90°	0.4	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
<b>0°-30°</b>	<b>106.3</b>	<b>36.3</b>
<b>0°-40°</b>	<b>168.3</b>	<b>57.4</b>
<b>0°-60°</b>	<b>261.8</b>	<b>89.3</b>
<b>0°-90°</b>	<b>293.0</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>293.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	144	144	144	144	144	
5°	169	160	141	125	120	17
15°	221	177	118	87	78	64
25°	273	169	90	59	52	126
35°	263	138	65	42	38	165
45°	186	99	45	31	28	144
55°	96	57	32	23	22	87
65°	43	29	19	16	14	43
75°	9	8	7	6	5	11
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°	144.0	144.0	144.0	144.0	144.0	144.0	144.0	144.0	144.0	144.0	144.0
2.5°	156.5	156.5	156.5	154.8	154.8	152.3	150.7	148.2	146.5	144.0	143.2
5°	169.0	169.0	167.3	165.7	163.2	159.8	155.7	151.5	146.5	142.4	140.7
7.5°	181.5	182.3	179.8	176.5	171.5	165.7	159.8	153.2	145.7	139.9	136.5
10°	194.8	194.8	191.5	186.5	179.0	170.7	161.5	152.3	143.2	134.9	131.5
12.5°	208.1	207.3	203.1	195.6	186.5	174.8	162.3	150.7	139.9	129.9	124.9
15°	220.6	220.6	214.8	205.6	192.3	177.3	162.3	147.4	134.9	123.2	118.2
17.5°	234.8	234.8	227.3	213.1	196.5	177.3	159.8	143.2	129.0	116.5	110.7
20°	250.6	249.7	238.9	219.8	198.1	176.5	156.5	138.2	122.4	109.1	104.1
22.5°	262.2	261.4	248.9	225.6	199.0	174.0	150.7	131.5	115.7	102.4	96.6
25°	273.1	271.4	257.2	228.1	197.3	169.0	144.9	124.0	109.1	95.7	89.9
27.5°	279.7	278.9	263.1	227.3	193.1	162.3	137.4	117.4	101.6	88.2	83.2
30°	281.4	282.2	263.1	223.1	186.5	155.7	129.9	109.9	94.1	82.4	76.6
31°	281.4	282.2	261.4	220.6	184.0	152.3	126.5	107.4	90.7	79.1	74.1
32.5°	278.1	276.4	258.9	216.4	178.2	146.5	122.4	103.2	86.6	74.9	70.8
35°	263.1	263.9	250.6	207.3	169.8	138.2	114.1	94.9	79.1	69.1	64.9
37.5°	254.7	254.7	230.6	194.8	160.7	130.7	104.1	85.7	72.4	63.3	59.1
40°	237.3	234.8	212.3	181.5	149.8	121.5	98.2	79.9	66.6	57.4	54.1
42.5°	212.3	209.8	192.3	169.8	135.7	109.9	93.2	70.8	59.9	52.4	49.1
45°	185.6	184.0	170.7	149.8	122.4	99.1	80.8	64.9	54.9	47.5	45.0
47.5°	161.5	159.0	149.0	133.2	110.7	89.1	69.9	58.3	49.1	43.3	41.6
50°	138.2	137.4	129.0	116.5	98.2	77.4	61.6	51.6	45.0	40.0	37.5
52.5°	116.5	114.9	110.7	100.7	85.7	67.4	54.1	45.8	40.0	36.6	35.0
55°	95.7	95.7	91.6	84.9	73.3	57.4	47.5	40.8	35.8	33.3	31.6
57.5°	79.1	79.1	75.8	71.6	60.8	49.1	41.6	35.8	32.5	30.0	28.3
60°	64.9	64.9	62.4	58.3	50.8	41.6	35.8	31.6	29.1	26.6	25.8
62.5°	54.1	53.3	51.6	47.5	41.6	35.0	30.8	27.5	25.0	23.3	22.5
65°	43.3	42.5	40.8	37.5	33.3	29.1	25.8	23.3	21.6	20.0	19.1
67.5°	33.3	33.3	31.6	29.1	25.8	23.3	20.8	19.1	17.5	16.6	15.8
70°	24.1	24.1	23.3	21.6	19.1	17.5	15.8	15.0	14.2	13.3	12.5
72.5°	16.6	16.6	15.8	15.0	13.3	12.5	10.8	10.8	10.0	10.0	9.2
75°	9.2	9.2	9.2	8.3	8.3	7.5	7.5	7.5	6.7	6.7	6.7
77.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
80°	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	2.5	2.5	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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°	144.0	144.0	144.0	144.0	144.0	144.0	144.0	144.0	144.0	144.0
2.5°	142.4	139.9	138.2	137.4	134.9	134.0	133.2	132.4	132.4	132.4
5°	139.0	134.9	130.7	128.2	124.9	123.2	121.5	120.7	119.9	119.9
7.5°	133.2	128.2	123.2	119.0	115.7	112.4	110.7	109.1	109.1	108.2
10°	127.4	120.7	114.9	109.1	105.7	101.6	99.9	98.2	97.4	97.4
12.5°	120.7	112.4	105.7	100.7	95.7	92.4	89.9	88.2	87.4	87.4
15°	113.2	104.9	97.4	92.4	87.4	83.2	80.8	79.1	78.3	78.3
17.5°	105.7	97.4	89.1	84.1	79.1	74.9	73.3	71.6	70.8	69.9
20°	99.1	89.1	82.4	75.8	71.6	68.3	65.8	64.1	63.3	63.3
22.5°	91.6	82.4	74.9	69.9	65.8	62.4	59.1	58.3	57.4	57.4
25°	84.1	75.8	69.1	64.1	59.1	56.6	54.1	52.4	52.4	51.6
27.5°	78.3	69.9	63.3	58.3	54.9	51.6	49.9	48.3	47.5	47.5
30°	71.6	64.1	58.3	54.1	49.9	47.5	45.8	44.1	44.1	44.1
31°	69.9	62.4	56.6	51.6	48.3	45.8	44.1	43.3	42.5	42.5
32.5°	65.8	59.1	53.3	49.1	45.8	43.3	41.6	40.8	40.8	40.0
35°	60.8	54.1	49.1	45.0	42.5	40.0	38.3	37.5	37.5	37.5
37.5°	55.8	49.9	45.0	41.6	39.1	36.6	35.8	34.1	34.1	34.1
40°	50.8	45.8	41.6	38.3	35.8	34.1	33.3	32.5	31.6	31.6
42.5°	46.6	41.6	38.3	35.8	33.3	31.6	30.8	30.0	30.0	29.1
45°	42.5	38.3	35.8	33.3	30.8	30.0	29.1	28.3	27.5	27.5
47.5°	39.1	35.8	32.5	30.8	29.1	27.5	26.6	26.6	25.8	25.8
50°	35.8	32.5	30.0	28.3	26.6	25.8	25.0	25.0	24.1	24.1
52.5°	33.3	30.0	28.3	26.6	25.0	24.1	23.3	23.3	22.5	22.5
55°	30.0	27.5	25.8	25.0	23.3	22.5	21.6	20.8	20.8	21.6
57.5°	27.5	25.8	24.1	23.3	21.6	20.8	20.0	20.0	19.1	20.0
60°	25.0	23.3	21.6	20.8	20.0	19.1	18.3	17.5	17.5	17.5
62.5°	22.5	20.8	20.0	18.3	17.5	17.5	16.6	16.6	16.6	15.8
65°	19.1	18.3	17.5	16.6	15.8	15.0	15.0	14.2	14.2	14.2
67.5°	15.8	15.0	14.2	14.2	13.3	12.5	12.5	12.5	12.5	11.7
70°	12.5	11.7	11.7	10.8	10.8	10.8	10.0	10.0	10.0	10.0
72.5°	9.2	9.2	8.3	8.3	8.3	8.3	7.5	7.5	7.5	7.5
75°	6.7	6.7	6.7	5.8	5.8	5.8	5.0	5.0	5.0	5.0
77.5°	4.2	4.2	4.2	4.2	4.2	3.3	3.3	3.3	3.3	3.3
80°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	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)