

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 E3LCWW1WH\_4000K

Issue Date: 5/8/2026

**Test Information**

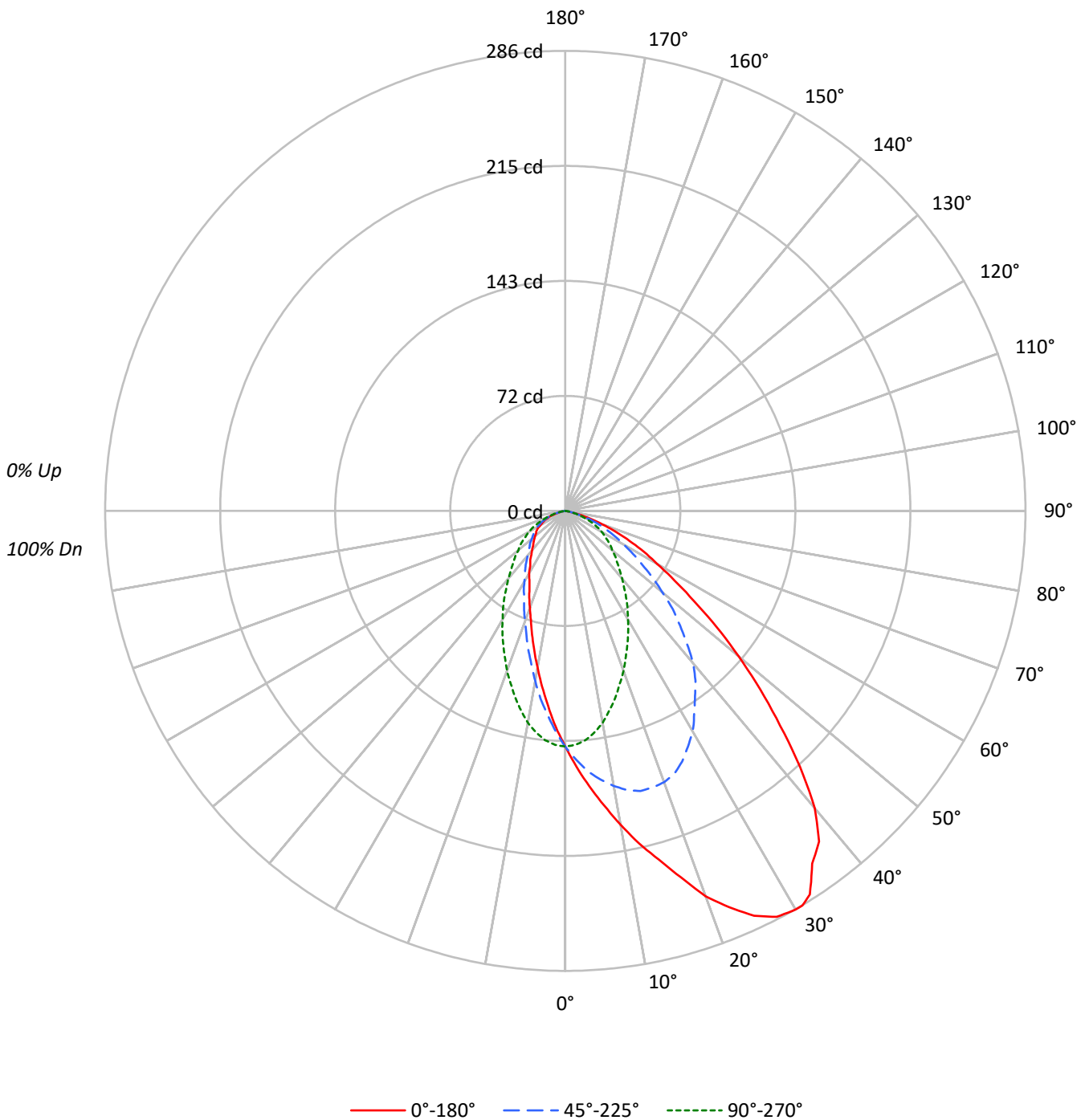
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R70B2750DE010 E3LCWW1WH\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 80CRI , E3LCWW1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 298.0 lumens  
Efficiency: N/A  
Efficacy: 22.7 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	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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

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

	0°	45°	90°	135°	180°
0°	32125	32125	32125	32125	32125
5°	37838	35791	31499	27955	26832
10°	44110	38654	29792	23936	22066
15°	50942	40931	27287	20182	18070
20°	59482	41887	24689	16988	15005
25°	67189	41591	22114	14541	12702
30°	72467	40082	19725	12863	11369
35°	71634	37638	17668	11564	10199
40°	69072	35381	15744	10420	9217
45°	58549	31259	14172	9706	8652
50°	47964	26848	12997	9245	8392
55°	37236	22327	12310	9061	8411
60°	28945	18551	11490	8903	7806
65°	22830	15358	10118	8354	7472
70°	15772	11412	8142	7052	6540
75°	7879	6439	5761	4999	4321
80°	1010	2147	3157	2147	1010
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 58549 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.7	4.6
10°-20°	38.2	12.8
20°-30°	56.2	18.9
30°-40°	63.0	21.2
40°-50°	55.4	18.6
50°-60°	39.7	13.3
60°-70°	23.5	7.9
70°-80°	7.9	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>108.1</b>	<b>36.3</b>
<b>0°-40°</b>	<b>171.1</b>	<b>57.4</b>
<b>0°-60°</b>	<b>266.2</b>	<b>89.4</b>
<b>0°-90°</b>	<b>298.0</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>298.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	146	146	146	146	146	
5°	172	163	143	127	122	17
15°	224	180	120	89	80	65
25°	278	172	91	60	52	128
35°	268	141	66	43	38	168
45°	189	101	46	31	28	146
55°	97	58	32	24	22	89
65°	44	30	20	16	14	44
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°	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5
2.5°	159.2	159.2	159.2	157.5	157.5	154.9	153.3	150.7	149.0	146.5	145.6
5°	171.9	171.9	170.2	168.5	166.0	162.6	158.3	154.1	149.0	144.8	143.1
7.5°	184.6	185.4	182.9	179.5	174.4	168.5	162.6	155.8	148.2	142.2	138.9
10°	198.1	198.1	194.7	189.7	182.0	173.6	164.3	154.9	145.6	137.2	133.8
12.5°	211.7	210.8	206.6	199.0	189.7	177.8	165.1	153.3	142.2	132.1	127.0
15°	224.4	224.4	218.4	209.1	195.6	180.3	165.1	149.9	137.2	125.3	120.2
17.5°	238.8	238.8	231.1	216.8	199.8	180.3	162.6	145.6	131.2	118.5	112.6
20°	254.9	254.0	243.0	223.5	201.5	179.5	159.2	140.6	124.5	110.9	105.8
22.5°	266.7	265.9	253.2	229.5	202.4	177.0	153.3	133.8	117.7	104.1	98.2
25°	277.7	276.0	261.6	232.0	200.7	171.9	147.3	126.2	110.9	97.4	91.4
27.5°	284.5	283.6	267.6	231.1	196.4	165.1	139.7	119.4	103.3	89.8	84.7
30°	286.2	287.0	267.6	226.9	189.7	158.3	132.1	111.8	95.7	83.8	77.9
31°	286.2	287.0	265.9	224.4	187.1	154.9	128.7	109.2	92.3	80.4	75.4
32.5°	282.8	281.1	263.3	220.1	181.2	149.0	124.5	105.0	88.1	76.2	72.0
35°	267.6	268.4	254.9	210.8	172.7	140.6	116.0	96.5	80.4	70.3	66.0
37.5°	259.1	259.1	234.5	198.1	163.4	132.9	105.8	87.2	73.7	64.3	60.1
40°	241.3	238.8	215.9	184.6	152.4	123.6	99.9	81.3	67.7	58.4	55.0
42.5°	215.9	213.4	195.6	172.7	138.0	111.8	94.8	72.0	61.0	53.3	50.0
45°	188.8	187.1	173.6	152.4	124.5	100.8	82.1	66.0	55.9	48.3	45.7
47.5°	164.3	161.7	151.6	135.5	112.6	90.6	71.1	59.3	50.0	44.0	42.3
50°	140.6	139.7	131.2	118.5	99.9	78.7	62.7	52.5	45.7	40.6	38.1
52.5°	118.5	116.8	112.6	102.5	87.2	68.6	55.0	46.6	40.6	37.3	35.6
55°	97.4	97.4	93.1	86.4	74.5	58.4	48.3	41.5	36.4	33.9	32.2
57.5°	80.4	80.4	77.0	72.8	61.8	50.0	42.3	36.4	33.0	30.5	28.8
60°	66.0	66.0	63.5	59.3	51.6	42.3	36.4	32.2	29.6	27.1	26.2
62.5°	55.0	54.2	52.5	48.3	42.3	35.6	31.3	27.9	25.4	23.7	22.9
65°	44.0	43.2	41.5	38.1	33.9	29.6	26.2	23.7	22.0	20.3	19.5
67.5°	33.9	33.9	32.2	29.6	26.2	23.7	21.2	19.5	17.8	16.9	16.1
70°	24.6	24.6	23.7	22.0	19.5	17.8	16.1	15.2	14.4	13.5	12.7
72.5°	16.9	16.9	16.1	15.2	13.5	12.7	11.0	11.0	10.2	10.2	9.3
75°	9.3	9.3	9.3	8.5	8.5	7.6	7.6	7.6	6.8	6.8	6.8
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°	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5
2.5°	144.8	142.2	140.6	139.7	137.2	136.3	135.5	134.6	134.6	134.6
5°	141.4	137.2	132.9	130.4	127.0	125.3	123.6	122.8	121.9	121.9
7.5°	135.5	130.4	125.3	121.1	117.7	114.3	112.6	110.9	110.9	110.1
10°	129.5	122.8	116.8	110.9	107.5	103.3	101.6	99.9	99.1	99.1
12.5°	122.8	114.3	107.5	102.5	97.4	94.0	91.4	89.8	88.9	88.9
15°	115.2	106.7	99.1	94.0	88.9	84.7	82.1	80.4	79.6	79.6
17.5°	107.5	99.1	90.6	85.5	80.4	76.2	74.5	72.8	72.0	71.1
20°	100.8	90.6	83.8	77.0	72.8	69.4	66.9	65.2	64.3	64.3
22.5°	93.1	83.8	76.2	71.1	66.9	63.5	60.1	59.3	58.4	58.4
25°	85.5	77.0	70.3	65.2	60.1	57.6	55.0	53.3	53.3	52.5
27.5°	79.6	71.1	64.3	59.3	55.9	52.5	50.8	49.1	48.3	48.3
30°	72.8	65.2	59.3	55.0	50.8	48.3	46.6	44.9	44.9	44.9
31°	71.1	63.5	57.6	52.5	49.1	46.6	44.9	44.0	43.2	43.2
32.5°	66.9	60.1	54.2	50.0	46.6	44.0	42.3	41.5	41.5	40.6
35°	61.8	55.0	50.0	45.7	43.2	40.6	38.9	38.1	38.1	38.1
37.5°	56.7	50.8	45.7	42.3	39.8	37.3	36.4	34.7	34.7	34.7
40°	51.6	46.6	42.3	38.9	36.4	34.7	33.9	33.0	32.2	32.2
42.5°	47.4	42.3	38.9	36.4	33.9	32.2	31.3	30.5	30.5	29.6
45°	43.2	38.9	36.4	33.9	31.3	30.5	29.6	28.8	27.9	27.9
47.5°	39.8	36.4	33.0	31.3	29.6	27.9	27.1	27.1	26.2	26.2
50°	36.4	33.0	30.5	28.8	27.1	26.2	25.4	25.4	24.6	24.6
52.5°	33.9	30.5	28.8	27.1	25.4	24.6	23.7	23.7	22.9	22.9
55°	30.5	27.9	26.2	25.4	23.7	22.9	22.0	21.2	21.2	22.0
57.5°	27.9	26.2	24.6	23.7	22.0	21.2	20.3	20.3	19.5	20.3
60°	25.4	23.7	22.0	21.2	20.3	19.5	18.6	17.8	17.8	17.8
62.5°	22.9	21.2	20.3	18.6	17.8	17.8	16.9	16.9	16.9	16.1
65°	19.5	18.6	17.8	16.9	16.1	15.2	15.2	14.4	14.4	14.4
67.5°	16.1	15.2	14.4	14.4	13.5	12.7	12.7	12.7	12.7	11.9
70°	12.7	11.9	11.9	11.0	11.0	11.0	10.2	10.2	10.2	10.2
72.5°	9.3	9.3	8.5	8.5	8.5	8.5	7.6	7.6	7.6	7.6
75°	6.8	6.8	6.8	5.9	5.9	5.9	5.1	5.1	5.1	5.1
77.5°	4.2	4.2	4.2	4.2	4.2	3.4	3.4	3.4	3.4	3.4
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)