

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: P1445801

Luminaire Tested: P3ART13R709030DE010 E3LCWW1LI

Issue Date: 5/8/2026

**Test Information**

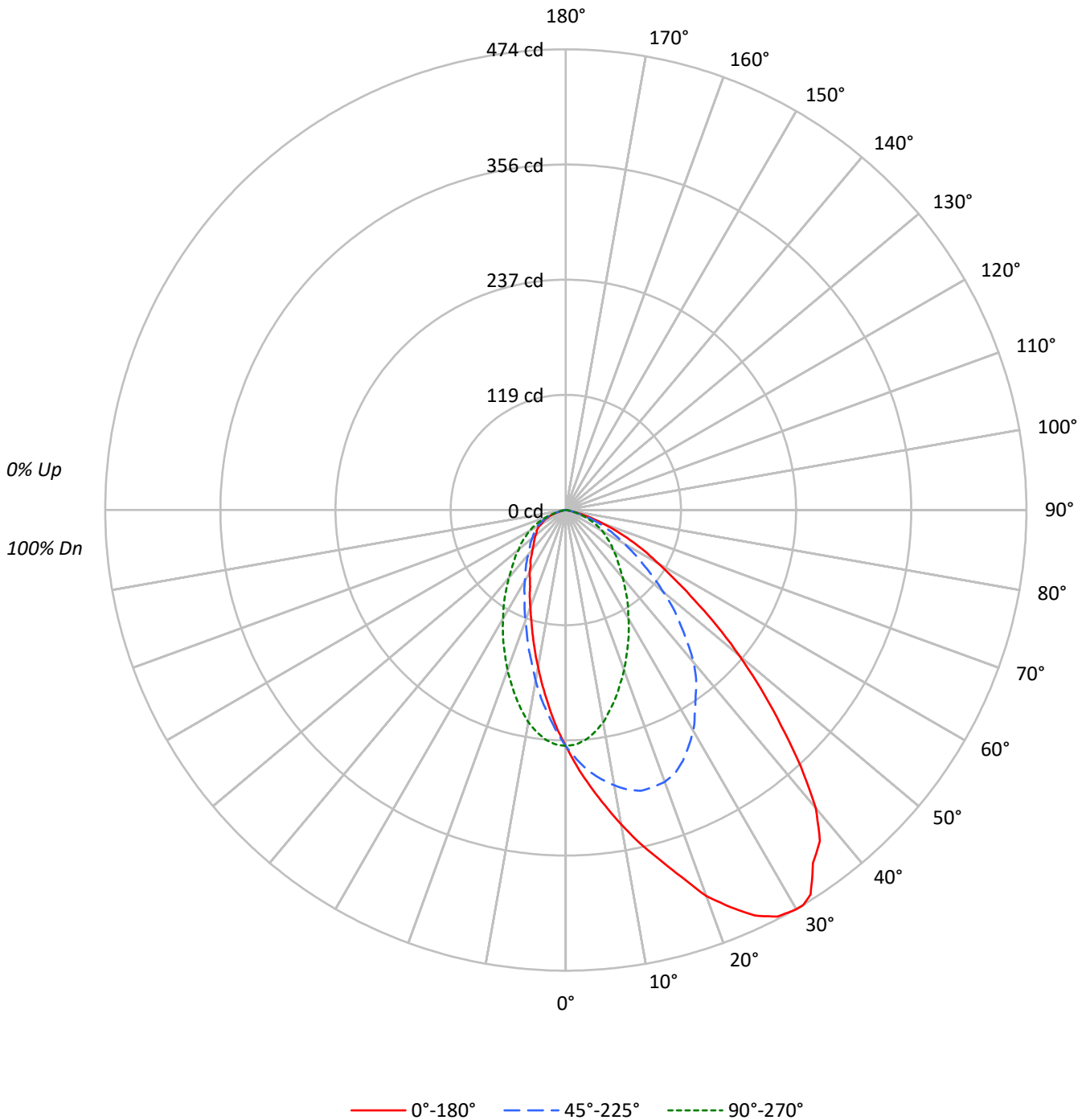
Test Method: LM-79-2019  
Report Number: P1445801  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709030DE010 E3LCWW1LI  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 494.0 lumens  
Efficiency: N/A  
Efficacy: 33.8 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): 14.6  
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
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°	53241	53241	53241	53241	53241
5°	62712	59322	52212	46335	44486
10°	73123	64060	49387	39701	36561
15°	84450	67878	45244	33462	29943
20°	98592	69446	40930	28166	24899
25°	111394	68931	36680	24122	21050
30°	120120	66466	32689	21320	18838
35°	118722	62372	29312	19167	16918
40°	114500	58653	26106	17290	15257
45°	97064	51788	23506	16095	14358
50°	79486	44519	21560	15317	13884
55°	61704	37007	20377	15025	13954
60°	48022	30787	19077	14780	12938
65°	37877	25476	16759	13854	12401
70°	26094	18913	13528	11669	10771
75°	13047	10675	9489	8303	7117
80°	1768	3536	5304	3536	1768
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 97064 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.7	4.6
10°-20°	63.3	12.8
20°-30°	93.2	18.9
30°-40°	104.5	21.2
40°-50°	91.9	18.6
50°-60°	65.8	13.3
60°-70°	39.0	7.9
70°-80°	13.0	2.6
80°-90°	0.6	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°	179.2	36.3
0°-40°	283.7	57.4
0°-60°	441.4	89.3
0°-90°	494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	494.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	243	243	243	243	243	
5°	285	270	237	210	202	28
15°	372	299	199	147	132	107
25°	460	285	152	100	87	212
35°	444	233	110	72	63	279
45°	313	167	76	52	46	242
55°	161	97	53	39	36	148
65°	73	49	32	27	24	73
75°	15	13	11	10	8	19
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°	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8
2.5°	263.9	263.9	263.9	261.1	261.1	256.9	254.1	249.8	247.0	242.8	241.4
5°	284.9	284.9	282.1	279.3	275.1	269.5	262.5	255.5	247.0	240.0	237.2
7.5°	306.0	307.4	303.2	297.6	289.1	279.3	269.5	258.3	245.6	235.8	230.2
10°	328.4	328.4	322.8	314.4	301.8	287.7	272.3	256.9	241.4	227.4	221.8
12.5°	350.9	349.5	342.5	329.8	314.4	294.8	273.7	254.1	235.8	219.0	210.5
15°	372.0	372.0	362.1	346.7	324.2	299.0	273.7	248.4	227.4	207.7	199.3
17.5°	395.8	395.8	383.2	359.3	331.2	299.0	269.5	241.4	217.6	196.5	186.7
20°	422.5	421.1	402.8	370.5	334.1	297.6	263.9	233.0	206.3	183.9	175.4
22.5°	442.1	440.7	419.7	380.4	335.5	293.4	254.1	221.8	195.1	172.6	162.8
25°	460.4	457.6	433.7	384.6	332.7	284.9	244.2	209.1	183.9	161.4	151.6
27.5°	471.6	470.2	443.5	383.2	325.6	273.7	231.6	197.9	171.2	148.8	140.4
30°	474.4	475.8	443.5	376.2	314.4	262.5	219.0	185.3	158.6	139.0	129.1
31°	474.4	475.8	440.7	372.0	310.2	256.9	213.3	181.1	153.0	133.3	124.9
32.5°	468.8	466.0	436.5	364.9	300.4	247.0	206.3	174.0	146.0	126.3	119.3
35°	443.5	444.9	422.5	349.5	286.3	233.0	192.3	160.0	133.3	116.5	109.5
37.5°	429.5	429.5	388.8	328.4	270.9	220.4	175.4	144.6	122.1	106.7	99.7
40°	400.0	395.8	357.9	306.0	252.6	204.9	165.6	134.7	112.3	96.8	91.2
42.5°	357.9	353.7	324.2	286.3	228.8	185.3	157.2	119.3	101.1	88.4	82.8
45°	313.0	310.2	287.7	252.6	206.3	167.0	136.1	109.5	92.6	80.0	75.8
47.5°	272.3	268.1	251.2	224.6	186.7	150.2	117.9	98.3	82.8	73.0	70.2
50°	233.0	231.6	217.6	196.5	165.6	130.5	103.9	87.0	75.8	67.4	63.2
52.5°	196.5	193.7	186.7	169.8	144.6	113.7	91.2	77.2	67.4	61.8	59.0
55°	161.4	161.4	154.4	143.2	123.5	96.8	80.0	68.8	60.4	56.1	53.3
57.5°	133.3	133.3	127.7	120.7	102.5	82.8	70.2	60.4	54.7	50.5	47.7
60°	109.5	109.5	105.3	98.3	85.6	70.2	60.4	53.3	49.1	44.9	43.5
62.5°	91.2	89.8	87.0	80.0	70.2	59.0	51.9	46.3	42.1	39.3	37.9
65°	73.0	71.6	68.8	63.2	56.1	49.1	43.5	39.3	36.5	33.7	32.3
67.5°	56.1	56.1	53.3	49.1	43.5	39.3	35.1	32.3	29.5	28.1	26.7
70°	40.7	40.7	39.3	36.5	32.3	29.5	26.7	25.3	23.9	22.5	21.1
72.5°	28.1	28.1	26.7	25.3	22.5	21.1	18.2	18.2	16.8	16.8	15.4
75°	15.4	15.4	15.4	14.0	14.0	12.6	12.6	12.6	11.2	11.2	11.2
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
80°	1.4	1.4	1.4	1.4	2.8	2.8	2.8	2.8	4.2	4.2	4.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
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°	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8
2.5°	240.0	235.8	233.0	231.6	227.4	226.0	224.6	223.2	223.2	223.2
5°	234.4	227.4	220.4	216.2	210.5	207.7	204.9	203.5	202.1	202.1
7.5°	224.6	216.2	207.7	200.7	195.1	189.5	186.7	183.9	183.9	182.5
10°	214.7	203.5	193.7	183.9	178.3	171.2	168.4	165.6	164.2	164.2
12.5°	203.5	189.5	178.3	169.8	161.4	155.8	151.6	148.8	147.4	147.4
15°	190.9	176.9	164.2	155.8	147.4	140.4	136.1	133.3	131.9	131.9
17.5°	178.3	164.2	150.2	141.8	133.3	126.3	123.5	120.7	119.3	117.9
20°	167.0	150.2	139.0	127.7	120.7	115.1	110.9	108.1	106.7	106.7
22.5°	154.4	139.0	126.3	117.9	110.9	105.3	99.7	98.3	96.8	96.8
25°	141.8	127.7	116.5	108.1	99.7	95.4	91.2	88.4	88.4	87.0
27.5°	131.9	117.9	106.7	98.3	92.6	87.0	84.2	81.4	80.0	80.0
30°	120.7	108.1	98.3	91.2	84.2	80.0	77.2	74.4	74.4	74.4
31°	117.9	105.3	95.4	87.0	81.4	77.2	74.4	73.0	71.6	71.6
32.5°	110.9	99.7	89.8	82.8	77.2	73.0	70.2	68.8	68.8	67.4
35°	102.5	91.2	82.8	75.8	71.6	67.4	64.6	63.2	63.2	63.2
37.5°	94.0	84.2	75.8	70.2	66.0	61.8	60.4	57.5	57.5	57.5
40°	85.6	77.2	70.2	64.6	60.4	57.5	56.1	54.7	53.3	53.3
42.5°	78.6	70.2	64.6	60.4	56.1	53.3	51.9	50.5	50.5	49.1
45°	71.6	64.6	60.4	56.1	51.9	50.5	49.1	47.7	46.3	46.3
47.5°	66.0	60.4	54.7	51.9	49.1	46.3	44.9	44.9	43.5	43.5
50°	60.4	54.7	50.5	47.7	44.9	43.5	42.1	42.1	40.7	40.7
52.5°	56.1	50.5	47.7	44.9	42.1	40.7	39.3	39.3	37.9	37.9
55°	50.5	46.3	43.5	42.1	39.3	37.9	36.5	35.1	35.1	36.5
57.5°	46.3	43.5	40.7	39.3	36.5	35.1	33.7	33.7	32.3	33.7
60°	42.1	39.3	36.5	35.1	33.7	32.3	30.9	29.5	29.5	29.5
62.5°	37.9	35.1	33.7	30.9	29.5	29.5	28.1	28.1	28.1	26.7
65°	32.3	30.9	29.5	28.1	26.7	25.3	25.3	23.9	23.9	23.9
67.5°	26.7	25.3	23.9	23.9	22.5	21.1	21.1	21.1	21.1	19.7
70°	21.1	19.7	19.7	18.2	18.2	18.2	16.8	16.8	16.8	16.8
72.5°	15.4	15.4	14.0	14.0	14.0	14.0	12.6	12.6	12.6	12.6
75°	11.2	11.2	11.2	9.8	9.8	9.8	8.4	8.4	8.4	8.4
77.5°	7.0	7.0	7.0	7.0	7.0	5.6	5.6	5.6	5.6	5.6
80°	4.2	4.2	4.2	4.2	2.8	2.8	2.8	2.8	2.8	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	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)