

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: P3ART09R709030D2WDE010 E3LCWW1H

Issue Date: 5/8/2026

**Test Information**

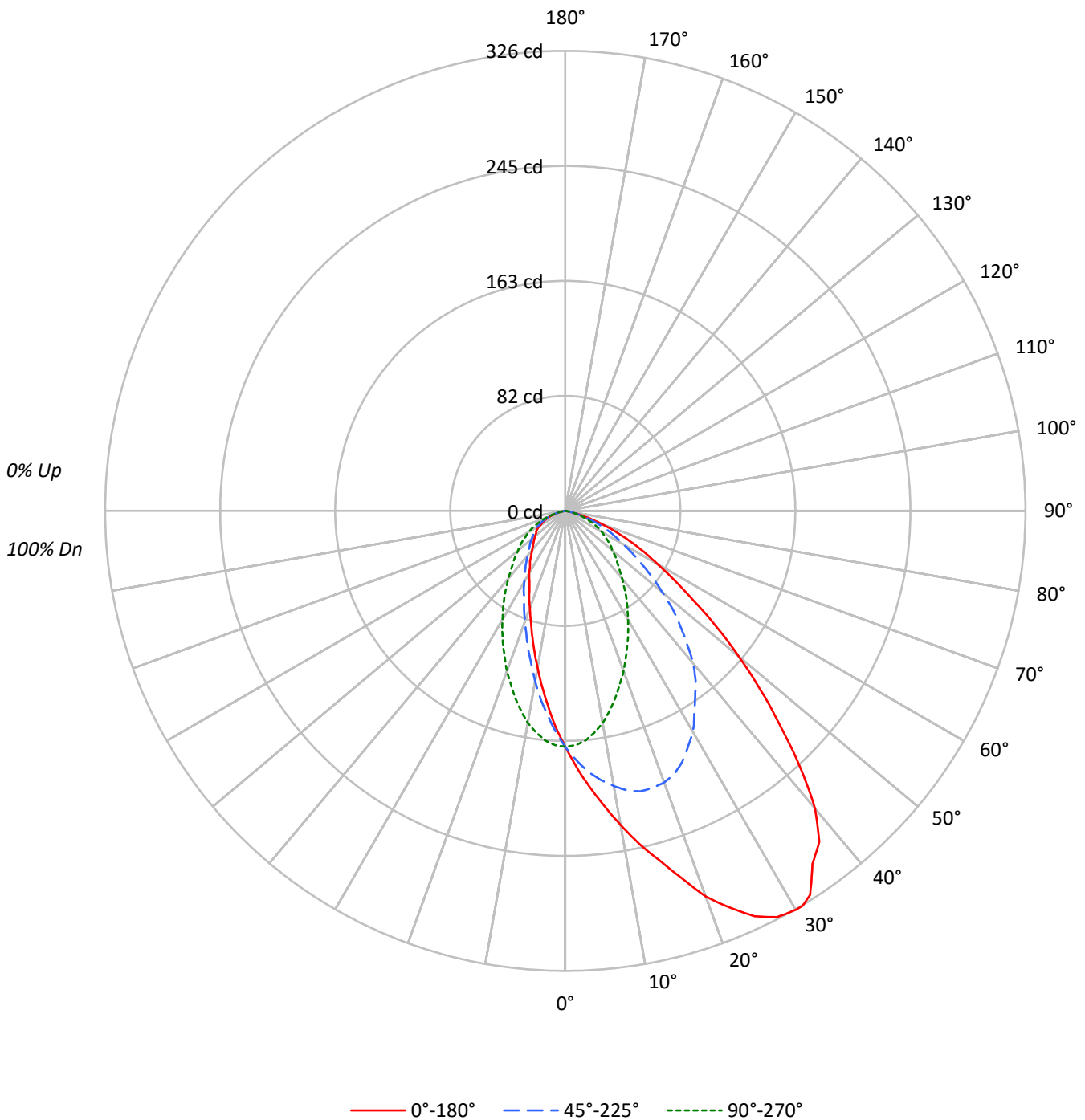
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709030D2WDE010 E3LCWW1H  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3LCWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 340.0 lumens  
Efficiency: N/A  
Efficacy: 23.1 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): 14.7  
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°	36642	36642	36642	36642	36642
5°	43165	40832	35945	31895	30618
10°	50344	44087	33978	27321	25161
15°	58116	46720	31147	23019	20613
20°	67859	47791	28189	19392	17128
25°	76674	47446	25235	16598	14493
30°	82671	45729	22510	14686	12964
35°	81726	42938	20184	13197	11645
40°	78805	40361	17977	11879	10505
45°	66798	35663	16188	11071	9892
50°	54719	30634	14840	10541	9552
55°	42474	25500	14031	10322	9596
60°	33068	21183	13113	10175	8903
65°	26047	17538	11519	9547	8509
70°	17952	13015	9296	8078	7437
75°	8981	7371	6524	5761	4914
80°	1263	2399	3662	2399	1263
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 66798 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.6	4.6
10°-20°	43.5	12.8
20°-30°	64.2	18.9
30°-40°	71.9	21.2
40°-50°	63.2	18.6
50°-60°	45.3	13.3
60°-70°	26.8	7.9
70°-80°	9.0	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
0°-30°	123.3	36.3
0°-40°	195.3	57.4
0°-60°	303.8	89.3
0°-90°	340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	340.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	167	167	167	167	167	
5°	196	186	163	145	139	20
15°	256	206	137	101	91	74
25°	317	196	104	69	60	146
35°	305	160	75	49	44	192
45°	215	115	52	36	32	167
55°	111	67	37	27	25	102
65°	50	34	22	18	16	50
75°	11	9	8	7	6	13
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°	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1
2.5°	181.6	181.6	181.6	179.7	179.7	176.8	174.9	172.0	170.0	167.1	166.2
5°	196.1	196.1	194.2	192.2	189.3	185.5	180.6	175.8	170.0	165.2	163.3
7.5°	210.6	211.6	208.7	204.8	199.0	192.2	185.5	177.8	169.1	162.3	158.4
10°	226.1	226.1	222.2	216.4	207.7	198.0	187.4	176.8	166.2	156.5	152.6
12.5°	241.5	240.5	235.7	227.0	216.4	202.9	188.4	174.9	162.3	150.7	144.9
15°	256.0	256.0	249.2	238.6	223.2	205.8	188.4	171.0	156.5	143.0	137.2
17.5°	272.4	272.4	263.7	247.3	228.0	205.8	185.5	166.2	149.7	135.2	128.5
20°	290.8	289.8	277.3	255.0	229.9	204.8	181.6	160.4	142.0	126.6	120.8
22.5°	304.3	303.3	288.8	261.8	230.9	201.9	174.9	152.6	134.3	118.8	112.1
25°	316.9	314.9	298.5	264.7	229.0	196.1	168.1	143.9	126.6	111.1	104.3
27.5°	324.6	323.6	305.3	263.7	224.1	188.4	159.4	136.2	117.9	102.4	96.6
30°	326.5	327.5	305.3	258.9	216.4	180.6	150.7	127.5	109.2	95.6	88.9
31°	326.5	327.5	303.3	256.0	213.5	176.8	146.8	124.6	105.3	91.8	86.0
32.5°	322.7	320.7	300.4	251.2	206.7	170.0	142.0	119.8	100.5	86.9	82.1
35°	305.3	306.2	290.8	240.5	197.1	160.4	132.3	110.1	91.8	80.2	75.4
37.5°	295.6	295.6	267.6	226.1	186.4	151.7	120.8	99.5	84.0	73.4	68.6
40°	275.3	272.4	246.3	210.6	173.9	141.0	114.0	92.7	77.3	66.7	62.8
42.5°	246.3	243.4	223.2	197.1	157.5	127.5	108.2	82.1	69.6	60.9	57.0
45°	215.4	213.5	198.0	173.9	142.0	115.0	93.7	75.4	63.8	55.1	52.2
47.5°	187.4	184.5	172.9	154.6	128.5	103.4	81.1	67.6	57.0	50.2	48.3
50°	160.4	159.4	149.7	135.2	114.0	89.8	71.5	59.9	52.2	46.4	43.5
52.5°	135.2	133.3	128.5	116.9	99.5	78.2	62.8	53.1	46.4	42.5	40.6
55°	111.1	111.1	106.3	98.5	85.0	66.7	55.1	47.3	41.5	38.6	36.7
57.5°	91.8	91.8	87.9	83.1	70.5	57.0	48.3	41.5	37.7	34.8	32.8
60°	75.4	75.4	72.5	67.6	58.9	48.3	41.5	36.7	33.8	30.9	29.9
62.5°	62.8	61.8	59.9	55.1	48.3	40.6	35.7	31.9	29.0	27.0	26.1
65°	50.2	49.3	47.3	43.5	38.6	33.8	29.9	27.0	25.1	23.2	22.2
67.5°	38.6	38.6	36.7	33.8	29.9	27.0	24.2	22.2	20.3	19.3	18.4
70°	28.0	28.0	27.0	25.1	22.2	20.3	18.4	17.4	16.4	15.5	14.5
72.5°	19.3	19.3	18.4	17.4	15.5	14.5	12.6	12.6	11.6	11.6	10.6
75°	10.6	10.6	10.6	9.7	9.7	8.7	8.7	8.7	7.7	7.7	7.7
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.9	2.9	2.9	2.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
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°	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1
2.5°	165.2	162.3	160.4	159.4	156.5	155.5	154.6	153.6	153.6	153.6
5°	161.3	156.5	151.7	148.8	144.9	143.0	141.0	140.1	139.1	139.1
7.5°	154.6	148.8	143.0	138.1	134.3	130.4	128.5	126.6	126.6	125.6
10°	147.8	140.1	133.3	126.6	122.7	117.9	115.9	114.0	113.0	113.0
12.5°	140.1	130.4	122.7	116.9	111.1	107.2	104.3	102.4	101.4	101.4
15°	131.4	121.7	113.0	107.2	101.4	96.6	93.7	91.8	90.8	90.8
17.5°	122.7	113.0	103.4	97.6	91.8	86.9	85.0	83.1	82.1	81.1
20°	115.0	103.4	95.6	87.9	83.1	79.2	76.3	74.4	73.4	73.4
22.5°	106.3	95.6	86.9	81.1	76.3	72.5	68.6	67.6	66.7	66.7
25°	97.6	87.9	80.2	74.4	68.6	65.7	62.8	60.9	60.9	59.9
27.5°	90.8	81.1	73.4	67.6	63.8	59.9	58.0	56.0	55.1	55.1
30°	83.1	74.4	67.6	62.8	58.0	55.1	53.1	51.2	51.2	51.2
31°	81.1	72.5	65.7	59.9	56.0	53.1	51.2	50.2	49.3	49.3
32.5°	76.3	68.6	61.8	57.0	53.1	50.2	48.3	47.3	47.3	46.4
35°	70.5	62.8	57.0	52.2	49.3	46.4	44.4	43.5	43.5	43.5
37.5°	64.7	58.0	52.2	48.3	45.4	42.5	41.5	39.6	39.6	39.6
40°	58.9	53.1	48.3	44.4	41.5	39.6	38.6	37.7	36.7	36.7
42.5°	54.1	48.3	44.4	41.5	38.6	36.7	35.7	34.8	34.8	33.8
45°	49.3	44.4	41.5	38.6	35.7	34.8	33.8	32.8	31.9	31.9
47.5°	45.4	41.5	37.7	35.7	33.8	31.9	30.9	30.9	29.9	29.9
50°	41.5	37.7	34.8	32.8	30.9	29.9	29.0	29.0	28.0	28.0
52.5°	38.6	34.8	32.8	30.9	29.0	28.0	27.0	27.0	26.1	26.1
55°	34.8	31.9	29.9	29.0	27.0	26.1	25.1	24.2	24.2	25.1
57.5°	31.9	29.9	28.0	27.0	25.1	24.2	23.2	23.2	22.2	23.2
60°	29.0	27.0	25.1	24.2	23.2	22.2	21.3	20.3	20.3	20.3
62.5°	26.1	24.2	23.2	21.3	20.3	20.3	19.3	19.3	19.3	18.4
65°	22.2	21.3	20.3	19.3	18.4	17.4	17.4	16.4	16.4	16.4
67.5°	18.4	17.4	16.4	16.4	15.5	14.5	14.5	14.5	14.5	13.5
70°	14.5	13.5	13.5	12.6	12.6	12.6	11.6	11.6	11.6	11.6
72.5°	10.6	10.6	9.7	9.7	9.7	9.7	8.7	8.7	8.7	8.7
75°	7.7	7.7	7.7	6.8	6.8	6.8	5.8	5.8	5.8	5.8
77.5°	4.8	4.8	4.8	4.8	4.8	3.9	3.9	3.9	3.9	3.9
80°	2.9	2.9	2.9	2.9	1.9	1.9	1.9	1.9	1.9	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	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)