

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: P1446553

Luminaire Tested: P3ART09R709730DE010 E3LCWW1GPH

Issue Date: 5/8/2026

**Test Information**

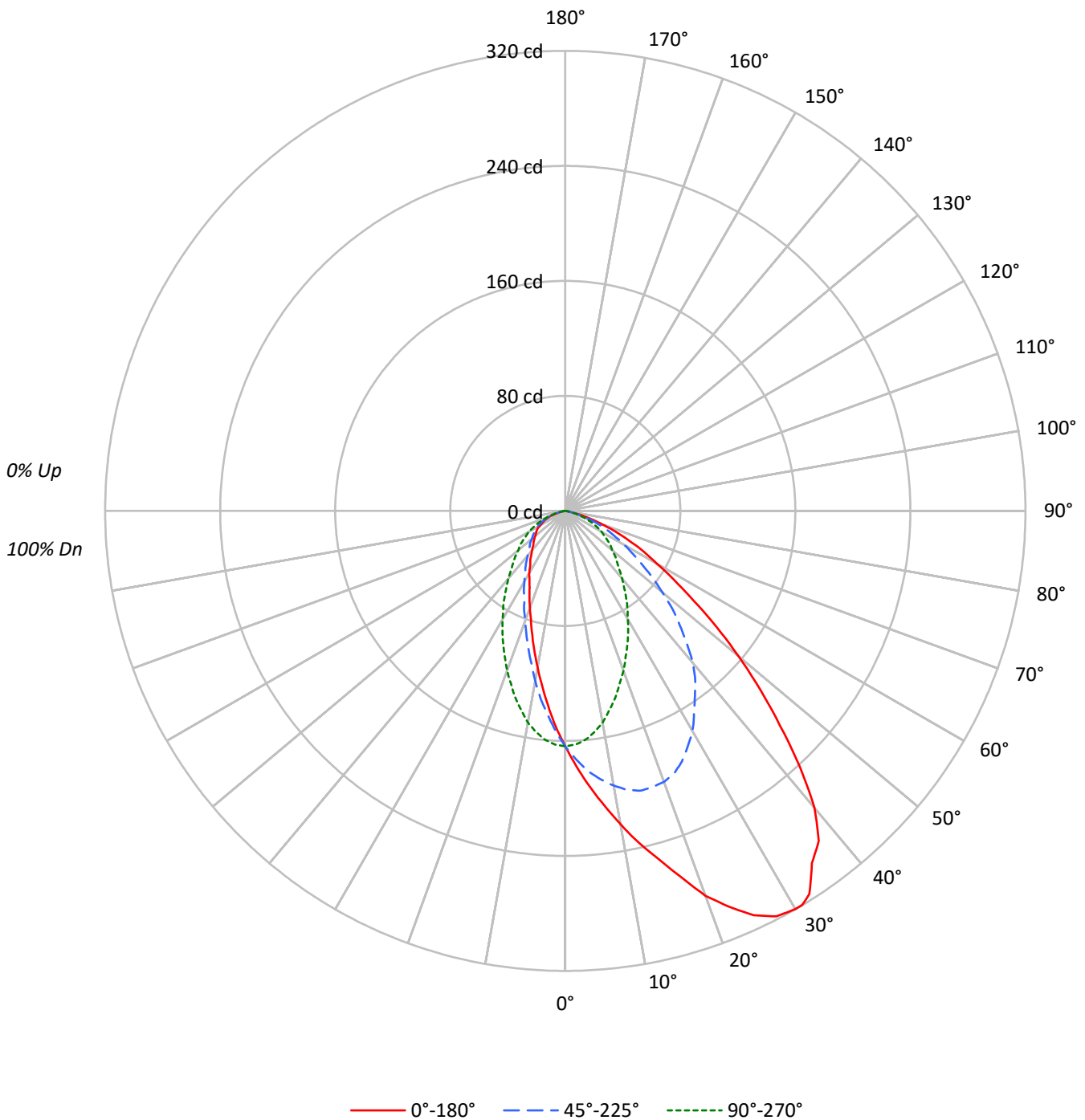
Test Method: LM-79-2019  
Report Number: P1446553  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709730DE010 E3LCWW1GPH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3LCWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 333.0 lumens  
Efficiency: N/A  
Efficacy: 30.0 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): 11.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	35896	35896	35896	35896	35896
5°	42285	39995	35197	31235	29980
10°	49298	43197	33288	26764	24649
15°	56913	45744	30511	22543	20182
20°	66459	46811	27606	18995	16778
25°	75077	46478	24727	16259	14202
30°	80974	44792	22029	14382	12685
35°	80040	42054	19756	12930	11404
40°	77202	39531	17604	11650	10305
45°	65433	34918	15847	10854	9675
50°	53593	30020	14533	10337	9347
55°	41595	24964	13763	10131	9405
60°	32366	20744	12850	9955	8727
65°	25528	17174	11311	9340	8354
70°	17567	12759	9104	7886	7309
75°	8811	7202	6439	5592	4829
80°	1137	2399	3536	2399	1137
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 65433 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.3	4.6
10°-20°	42.6	12.8
20°-30°	62.8	18.9
30°-40°	70.5	21.2
40°-50°	61.9	18.6
50°-60°	44.3	13.3
60°-70°	26.3	7.9
70°-80°	8.8	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
0°-30°	120.8	36.3
0°-40°	191.3	57.4
0°-60°	297.5	89.3
0°-90°	333.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	333.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	164	164	164	164	164	
5°	192	182	160	142	136	19
15°	251	202	134	99	89	72
25°	310	192	102	67	59	143
35°	299	157	74	48	43	188
45°	211	113	51	35	31	163
55°	109	65	36	26	25	99
65°	49	33	22	18	16	49
75°	10	8	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°	163.7	163.7	163.7	163.7	163.7	163.7	163.7	163.7	163.7	163.7	163.7
2.5°	177.9	177.9	177.9	176.0	176.0	173.1	171.3	168.4	166.5	163.7	162.7
5°	192.1	192.1	190.2	188.3	185.4	181.7	176.9	172.2	166.5	161.8	159.9
7.5°	206.3	207.2	204.4	200.6	194.9	188.3	181.7	174.1	165.6	159.0	155.2
10°	221.4	221.4	217.6	211.9	203.4	194.0	183.6	173.1	162.7	153.3	149.5
12.5°	236.5	235.6	230.9	222.3	211.9	198.7	184.5	171.3	159.0	147.6	141.9
15°	250.7	250.7	244.1	233.7	218.6	201.5	184.5	167.5	153.3	140.0	134.4
17.5°	266.8	266.8	258.3	242.2	223.3	201.5	181.7	162.7	146.7	132.5	125.8
20°	284.8	283.8	271.5	249.8	225.2	200.6	177.9	157.1	139.1	123.9	118.3
22.5°	298.0	297.1	282.9	256.4	226.1	197.7	171.3	149.5	131.5	116.4	109.8
25°	310.3	308.4	292.4	259.2	224.2	192.1	164.6	141.0	123.9	108.8	102.2
27.5°	317.9	317.0	299.0	258.3	219.5	184.5	156.1	133.4	115.4	100.3	94.6
30°	319.8	320.7	299.0	253.6	211.9	176.9	147.6	124.9	106.9	93.7	87.0
31°	319.8	320.7	297.1	250.7	209.1	173.1	143.8	122.1	103.1	89.9	84.2
32.5°	316.0	314.1	294.3	246.0	202.5	166.5	139.1	117.3	98.4	85.2	80.4
35°	299.0	299.9	284.8	235.6	193.0	157.1	129.6	107.9	89.9	78.5	73.8
37.5°	289.5	289.5	262.1	221.4	182.6	148.5	118.3	97.5	82.3	71.9	67.2
40°	269.7	266.8	241.3	206.3	170.3	138.1	111.6	90.8	75.7	65.3	61.5
42.5°	241.3	238.4	218.6	193.0	154.2	124.9	106.0	80.4	68.1	59.6	55.8
45°	211.0	209.1	194.0	170.3	139.1	112.6	91.8	73.8	62.4	53.9	51.1
47.5°	183.6	180.7	169.4	151.4	125.8	101.2	79.5	66.2	55.8	49.2	47.3
50°	157.1	156.1	146.7	132.5	111.6	88.0	70.0	58.7	51.1	45.4	42.6
52.5°	132.5	130.6	125.8	114.5	97.5	76.6	61.5	52.0	45.4	41.6	39.7
55°	108.8	108.8	104.1	96.5	83.3	65.3	53.9	46.4	40.7	37.8	36.0
57.5°	89.9	89.9	86.1	81.4	69.1	55.8	47.3	40.7	36.9	34.1	32.2
60°	73.8	73.8	71.0	66.2	57.7	47.3	40.7	36.0	33.1	30.3	29.3
62.5°	61.5	60.6	58.7	53.9	47.3	39.7	35.0	31.2	28.4	26.5	25.5
65°	49.2	48.3	46.4	42.6	37.8	33.1	29.3	26.5	24.6	22.7	21.8
67.5°	37.8	37.8	36.0	33.1	29.3	26.5	23.7	21.8	19.9	18.9	18.0
70°	27.4	27.4	26.5	24.6	21.8	19.9	18.0	17.0	16.1	15.1	14.2
72.5°	18.9	18.9	18.0	17.0	15.1	14.2	12.3	12.3	11.4	11.4	10.4
75°	10.4	10.4	10.4	9.5	9.5	8.5	8.5	8.5	7.6	7.6	7.6
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	0.9	0.9	0.9	0.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
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°	163.7	163.7	163.7	163.7	163.7	163.7	163.7	163.7	163.7	163.7
2.5°	161.8	159.0	157.1	156.1	153.3	152.3	151.4	150.4	150.4	150.4
5°	158.0	153.3	148.5	145.7	141.9	140.0	138.1	137.2	136.2	136.2
7.5°	151.4	145.7	140.0	135.3	131.5	127.7	125.8	123.9	123.9	123.0
10°	144.8	137.2	130.6	123.9	120.2	115.4	113.5	111.6	110.7	110.7
12.5°	137.2	127.7	120.2	114.5	108.8	105.0	102.2	100.3	99.3	99.3
15°	128.7	119.2	110.7	105.0	99.3	94.6	91.8	89.9	88.9	88.9
17.5°	120.2	110.7	101.2	95.6	89.9	85.2	83.3	81.4	80.4	79.5
20°	112.6	101.2	93.7	86.1	81.4	77.6	74.7	72.9	71.9	71.9
22.5°	104.1	93.7	85.2	79.5	74.7	71.0	67.2	66.2	65.3	65.3
25°	95.6	86.1	78.5	72.9	67.2	64.3	61.5	59.6	59.6	58.7
27.5°	88.9	79.5	71.9	66.2	62.4	58.7	56.8	54.9	53.9	53.9
30°	81.4	72.9	66.2	61.5	56.8	53.9	52.0	50.1	50.1	50.1
31°	79.5	71.0	64.3	58.7	54.9	52.0	50.1	49.2	48.3	48.3
32.5°	74.7	67.2	60.6	55.8	52.0	49.2	47.3	46.4	46.4	45.4
35°	69.1	61.5	55.8	51.1	48.3	45.4	43.5	42.6	42.6	42.6
37.5°	63.4	56.8	51.1	47.3	44.5	41.6	40.7	38.8	38.8	38.8
40°	57.7	52.0	47.3	43.5	40.7	38.8	37.8	36.9	36.0	36.0
42.5°	53.0	47.3	43.5	40.7	37.8	36.0	35.0	34.1	34.1	33.1
45°	48.3	43.5	40.7	37.8	35.0	34.1	33.1	32.2	31.2	31.2
47.5°	44.5	40.7	36.9	35.0	33.1	31.2	30.3	30.3	29.3	29.3
50°	40.7	36.9	34.1	32.2	30.3	29.3	28.4	28.4	27.4	27.4
52.5°	37.8	34.1	32.2	30.3	28.4	27.4	26.5	26.5	25.5	25.5
55°	34.1	31.2	29.3	28.4	26.5	25.5	24.6	23.7	23.7	24.6
57.5°	31.2	29.3	27.4	26.5	24.6	23.7	22.7	22.7	21.8	22.7
60°	28.4	26.5	24.6	23.7	22.7	21.8	20.8	19.9	19.9	19.9
62.5°	25.5	23.7	22.7	20.8	19.9	19.9	18.9	18.9	18.9	18.0
65°	21.8	20.8	19.9	18.9	18.0	17.0	17.0	16.1	16.1	16.1
67.5°	18.0	17.0	16.1	16.1	15.1	14.2	14.2	14.2	14.2	13.2
70°	14.2	13.2	13.2	12.3	12.3	12.3	11.4	11.4	11.4	11.4
72.5°	10.4	10.4	9.5	9.5	9.5	9.5	8.5	8.5	8.5	8.5
75°	7.6	7.6	7.6	6.6	6.6	6.6	5.7	5.7	5.7	5.7
77.5°	4.7	4.7	4.7	4.7	4.7	3.8	3.8	3.8	3.8	3.8
80°	2.8	2.8	2.8	2.8	1.9	1.9	1.9	1.9	1.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	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)