

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: P1445591

Luminaire Tested: P3ART02R709024DE010 E3LCWW1GPH

Issue Date: 5/8/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1445591  
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: P3ART02R709024DE010 E3LCWW1GPH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LCWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

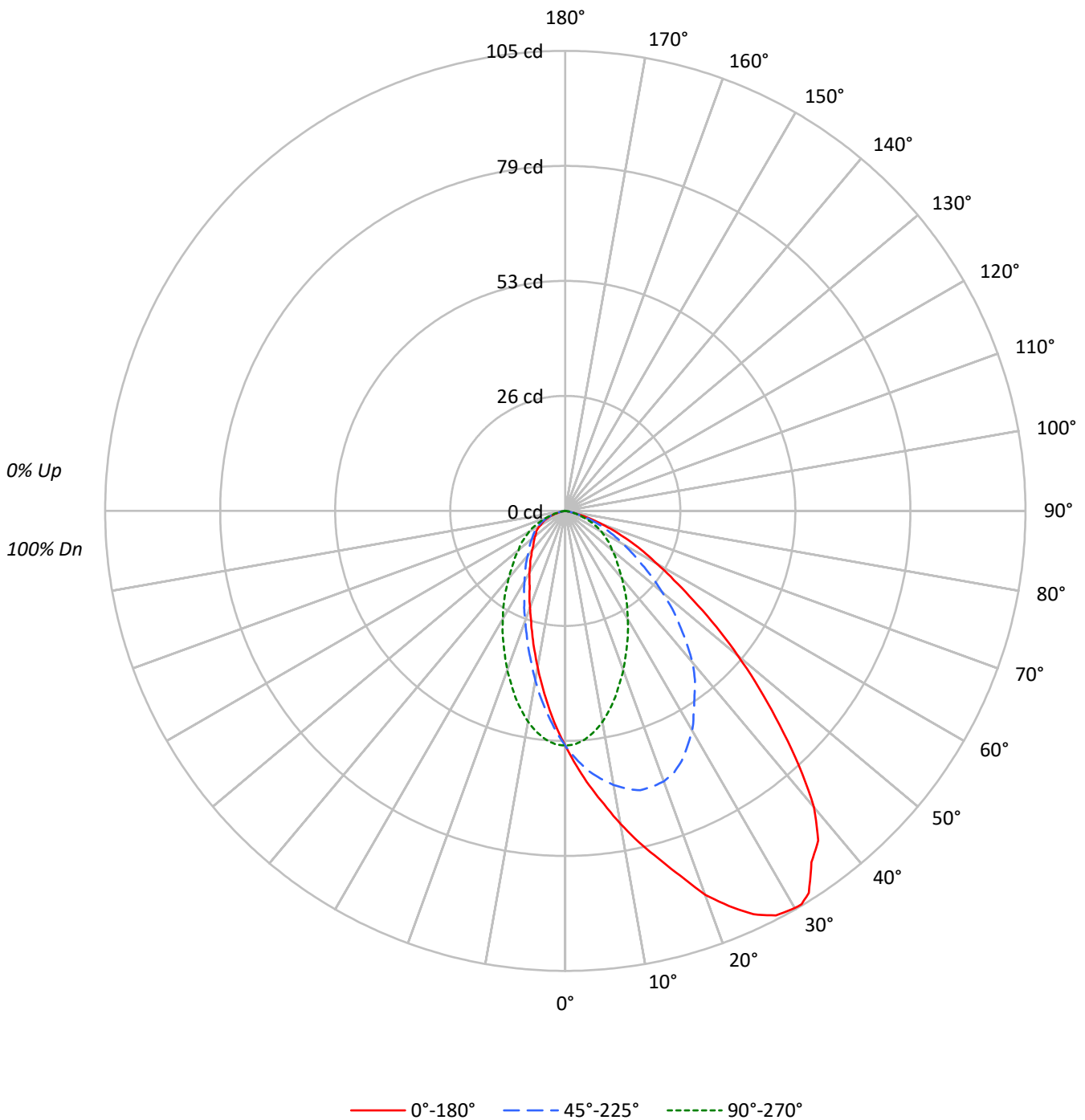
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 109.0 lumens  
Efficiency: N/A  
Efficacy: 30.3 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): 3.6  
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		
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	48	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°	11753	11753	11753	11753	11753
5°	13845	13097	11512	10236	9817
10°	16143	14139	10888	8751	8060
15°	18638	14983	9989	7378	6606
20°	21749	15331	9031	6207	5484
25°	24582	15219	8081	5323	4645
30°	26510	14660	7216	4710	4153
35°	26207	13759	6478	4230	3721
40°	25276	12939	5754	3807	3378
45°	21429	11443	5179	3566	3163
50°	17535	9825	4742	3377	3070
55°	13610	8181	4511	3326	3097
60°	10613	6798	4210	3245	2851
65°	8354	5604	3684	3061	2750
70°	5770	4167	2949	2565	2372
75°	2881	2372	2118	1864	1610
80°	379	758	1137	758	379
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21429 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.0	4.6
10°-20°	14.0	12.8
20°-30°	20.6	18.9
30°-40°	23.1	21.2
40°-50°	20.3	18.6
50°-60°	14.5	13.3
60°-70°	8.6	7.9
70°-80°	2.9	2.6
80°-90°	0.1	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°	39.5	36.3
0°-40°	62.6	57.4
0°-60°	97.4	89.4
0°-90°	109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	109.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	54	54	54	54	54	
5°	63	60	52	46	45	6
15°	82	66	44	32	29	24
25°	102	63	33	22	19	47
35°	98	51	24	16	14	61
45°	69	37	17	12	10	53
55°	36	21	12	9	8	33
65°	16	11	7	6	5	16
75°	3	3	2	2	2	4
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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
2.5°	58.2	58.2	58.2	57.6	57.6	56.7	56.1	55.1	54.5	53.6	53.3
5°	62.9	62.9	62.2	61.6	60.7	59.5	57.9	56.4	54.5	53.0	52.3
7.5°	67.5	67.8	66.9	65.7	63.8	61.6	59.5	57.0	54.2	52.0	50.8
10°	72.5	72.5	71.2	69.4	66.6	63.5	60.1	56.7	53.3	50.2	48.9
12.5°	77.4	77.1	75.6	72.8	69.4	65.0	60.4	56.1	52.0	48.3	46.5
15°	82.1	82.1	79.9	76.5	71.5	66.0	60.4	54.8	50.2	45.8	44.0
17.5°	87.3	87.3	84.5	79.3	73.1	66.0	59.5	53.3	48.0	43.4	41.2
20°	93.2	92.9	88.9	81.8	73.7	65.7	58.2	51.4	45.5	40.6	38.7
22.5°	97.6	97.2	92.6	83.9	74.0	64.7	56.1	48.9	43.0	38.1	35.9
25°	101.6	101.0	95.7	84.9	73.4	62.9	53.9	46.1	40.6	35.6	33.4
27.5°	104.1	103.7	97.9	84.5	71.9	60.4	51.1	43.7	37.8	32.8	31.0
30°	104.7	105.0	97.9	83.0	69.4	57.9	48.3	40.9	35.0	30.7	28.5
31°	104.7	105.0	97.2	82.1	68.4	56.7	47.1	40.0	33.8	29.4	27.6
32.5°	103.4	102.8	96.3	80.5	66.3	54.5	45.5	38.4	32.2	27.9	26.3
35°	97.9	98.2	93.2	77.1	63.2	51.4	42.4	35.3	29.4	25.7	24.2
37.5°	94.8	94.8	85.8	72.5	59.8	48.6	38.7	31.9	26.9	23.5	22.0
40°	88.3	87.3	79.0	67.5	55.7	45.2	36.5	29.7	24.8	21.4	20.1
42.5°	79.0	78.0	71.5	63.2	50.5	40.9	34.7	26.3	22.3	19.5	18.3
45°	69.1	68.4	63.5	55.7	45.5	36.9	30.0	24.2	20.4	17.7	16.7
47.5°	60.1	59.2	55.4	49.6	41.2	33.1	26.0	21.7	18.3	16.1	15.5
50°	51.4	51.1	48.0	43.4	36.5	28.8	22.9	19.2	16.7	14.9	13.9
52.5°	43.4	42.7	41.2	37.5	31.9	25.1	20.1	17.0	14.9	13.6	13.0
55°	35.6	35.6	34.1	31.6	27.3	21.4	17.7	15.2	13.3	12.4	11.8
57.5°	29.4	29.4	28.2	26.6	22.6	18.3	15.5	13.3	12.1	11.1	10.5
60°	24.2	24.2	23.2	21.7	18.9	15.5	13.3	11.8	10.8	9.9	9.6
62.5°	20.1	19.8	19.2	17.7	15.5	13.0	11.5	10.2	9.3	8.7	8.4
65°	16.1	15.8	15.2	13.9	12.4	10.8	9.6	8.7	8.1	7.4	7.1
67.5°	12.4	12.4	11.8	10.8	9.6	8.7	7.7	7.1	6.5	6.2	5.9
70°	9.0	9.0	8.7	8.1	7.1	6.5	5.9	5.6	5.3	5.0	4.6
72.5°	6.2	6.2	5.9	5.6	5.0	4.6	4.0	4.0	3.7	3.7	3.4
75°	3.4	3.4	3.4	3.1	3.1	2.8	2.8	2.8	2.5	2.5	2.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
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°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
2.5°	53.0	52.0	51.4	51.1	50.2	49.9	49.6	49.2	49.2	49.2
5°	51.7	50.2	48.6	47.7	46.5	45.8	45.2	44.9	44.6	44.6
7.5°	49.6	47.7	45.8	44.3	43.0	41.8	41.2	40.6	40.6	40.3
10°	47.4	44.9	42.7	40.6	39.3	37.8	37.2	36.5	36.2	36.2
12.5°	44.9	41.8	39.3	37.5	35.6	34.4	33.4	32.8	32.5	32.5
15°	42.1	39.0	36.2	34.4	32.5	31.0	30.0	29.4	29.1	29.1
17.5°	39.3	36.2	33.1	31.3	29.4	27.9	27.3	26.6	26.3	26.0
20°	36.9	33.1	30.7	28.2	26.6	25.4	24.5	23.8	23.5	23.5
22.5°	34.1	30.7	27.9	26.0	24.5	23.2	22.0	21.7	21.4	21.4
25°	31.3	28.2	25.7	23.8	22.0	21.1	20.1	19.5	19.5	19.2
27.5°	29.1	26.0	23.5	21.7	20.4	19.2	18.6	18.0	17.7	17.7
30°	26.6	23.8	21.7	20.1	18.6	17.7	17.0	16.4	16.4	16.4
31°	26.0	23.2	21.1	19.2	18.0	17.0	16.4	16.1	15.8	15.8
32.5°	24.5	22.0	19.8	18.3	17.0	16.1	15.5	15.2	15.2	14.9
35°	22.6	20.1	18.3	16.7	15.8	14.9	14.2	13.9	13.9	13.9
37.5°	20.7	18.6	16.7	15.5	14.6	13.6	13.3	12.7	12.7	12.7
40°	18.9	17.0	15.5	14.2	13.3	12.7	12.4	12.1	11.8	11.8
42.5°	17.3	15.5	14.2	13.3	12.4	11.8	11.5	11.1	11.1	10.8
45°	15.8	14.2	13.3	12.4	11.5	11.1	10.8	10.5	10.2	10.2
47.5°	14.6	13.3	12.1	11.5	10.8	10.2	9.9	9.9	9.6	9.6
50°	13.3	12.1	11.1	10.5	9.9	9.6	9.3	9.3	9.0	9.0
52.5°	12.4	11.1	10.5	9.9	9.3	9.0	8.7	8.7	8.4	8.4
55°	11.1	10.2	9.6	9.3	8.7	8.4	8.1	7.7	7.7	8.1
57.5°	10.2	9.6	9.0	8.7	8.1	7.7	7.4	7.4	7.1	7.4
60°	9.3	8.7	8.1	7.7	7.4	7.1	6.8	6.5	6.5	6.5
62.5°	8.4	7.7	7.4	6.8	6.5	6.5	6.2	6.2	6.2	5.9
65°	7.1	6.8	6.5	6.2	5.9	5.6	5.6	5.3	5.3	5.3
67.5°	5.9	5.6	5.3	5.3	5.0	4.6	4.6	4.6	4.6	4.3
70°	4.6	4.3	4.3	4.0	4.0	4.0	3.7	3.7	3.7	3.7
72.5°	3.4	3.4	3.1	3.1	3.1	3.1	2.8	2.8	2.8	2.8
75°	2.5	2.5	2.5	2.2	2.2	2.2	1.9	1.9	1.9	1.9
77.5°	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.2	1.2
80°	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	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)