

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: P3ART02R709840DE010 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: P3ART02R709840DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

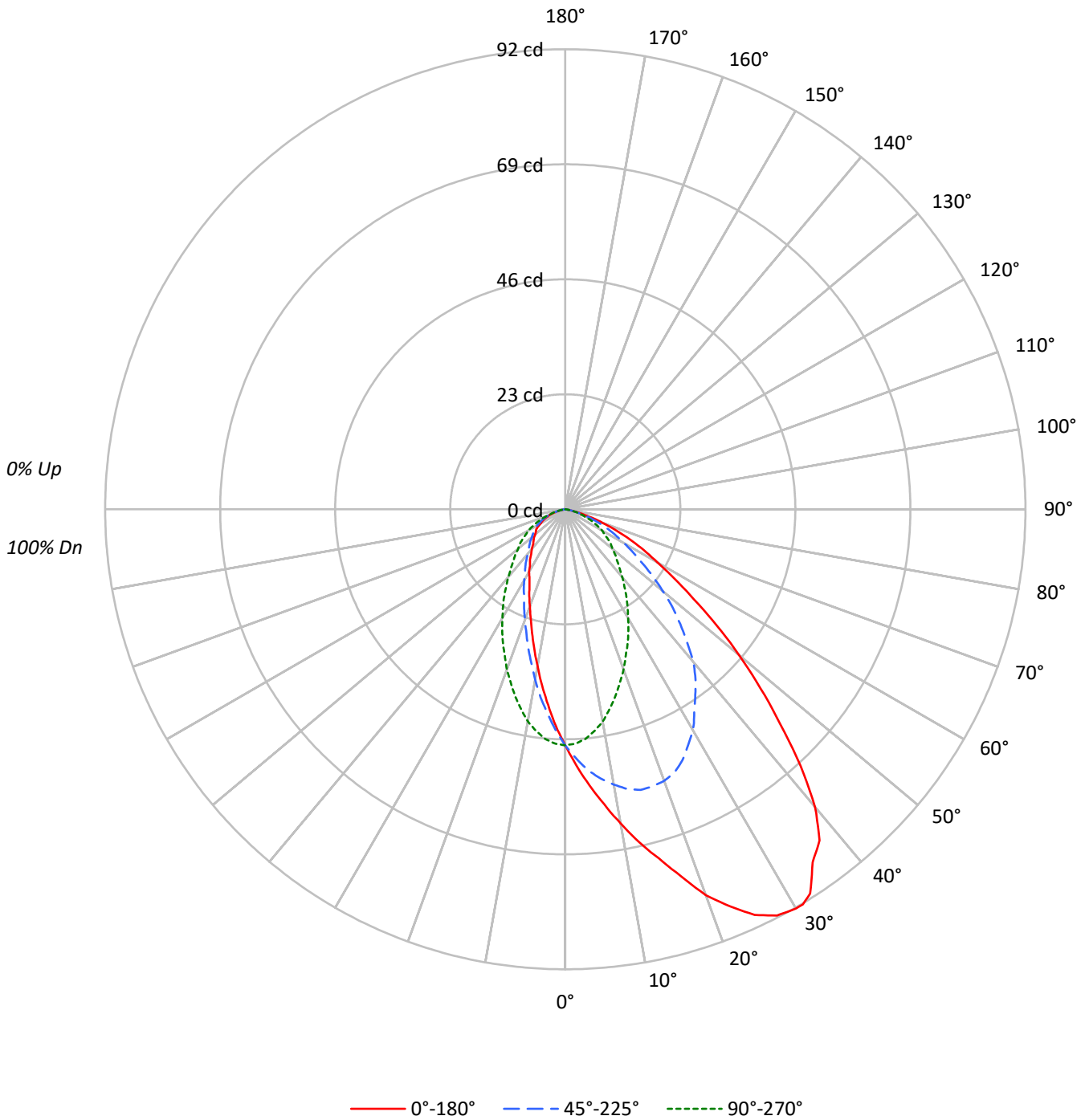
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 96.0 lumens
Efficiency: N/A
Efficacy: 26.7 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): 3.6
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	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°	10350	10350	10350	10350	10350
5°	12195	11534	10147	9003	8651
10°	14206	12447	9597	7704	7103
15°	16413	13190	8786	6493	5812
20°	19158	13488	7957	5484	4830
25°	21654	13404	7138	4694	4089
30°	23345	12913	6355	4153	3671
35°	23075	12126	5702	3721	3293
40°	22242	11393	5067	3349	2977
45°	18855	10079	4559	3132	2791
50°	15454	8665	4196	2968	2695
55°	12004	7187	3976	2906	2714
60°	9341	5964	3728	2851	2500
65°	7368	4929	3269	2698	2387
70°	5065	3654	2629	2244	2116
75°	2542	2118	1864	1610	1356
80°	379	631	1010	631	379
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18855 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	4.6
10°-20°	12.3	12.8
20°-30°	18.1	18.9
30°-40°	20.3	21.2
40°-50°	17.9	18.6
50°-60°	12.8	13.3
60°-70°	7.6	7.9
70°-80°	2.5	2.7
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°	34.8	36.3
0°-40°	55.1	57.4
0°-60°	85.8	89.3
0°-90°	96.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	96.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	47	47	47	47	47	
5°	55	52	46	41	39	6
15°	72	58	39	29	26	21
25°	90	55	30	19	17	41
35°	86	45	21	14	12	54
45°	61	32	15	10	9	47
55°	31	19	10	8	7	29
65°	14	10	6	5	5	14
75°	3	2	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°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
2.5°	51.3	51.3	51.3	50.7	50.7	49.9	49.4	48.6	48.0	47.2	46.9
5°	55.4	55.4	54.8	54.3	53.5	52.4	51.0	49.6	48.0	46.6	46.1
7.5°	59.5	59.7	58.9	57.8	56.2	54.3	52.4	50.2	47.7	45.8	44.7
10°	63.8	63.8	62.7	61.1	58.6	55.9	52.9	49.9	46.9	44.2	43.1
12.5°	68.2	67.9	66.6	64.1	61.1	57.3	53.2	49.4	45.8	42.6	40.9
15°	72.3	72.3	70.4	67.4	63.0	58.1	53.2	48.3	44.2	40.4	38.7
17.5°	76.9	76.9	74.5	69.8	64.4	58.1	52.4	46.9	42.3	38.2	36.3
20°	82.1	81.8	78.3	72.0	64.9	57.8	51.3	45.3	40.1	35.7	34.1
22.5°	85.9	85.6	81.6	73.9	65.2	57.0	49.4	43.1	37.9	33.5	31.6
25°	89.5	88.9	84.3	74.7	64.6	55.4	47.5	40.6	35.7	31.4	29.5
27.5°	91.6	91.4	86.2	74.5	63.3	53.2	45.0	38.5	33.3	28.9	27.3
30°	92.2	92.5	86.2	73.1	61.1	51.0	42.6	36.0	30.8	27.0	25.1
31°	92.2	92.5	85.6	72.3	60.3	49.9	41.5	35.2	29.7	25.9	24.3
32.5°	91.1	90.6	84.8	70.9	58.4	48.0	40.1	33.8	28.4	24.5	23.2
35°	86.2	86.5	82.1	67.9	55.6	45.3	37.4	31.1	25.9	22.6	21.3
37.5°	83.5	83.5	75.6	63.8	52.6	42.8	34.1	28.1	23.7	20.7	19.4
40°	77.7	76.9	69.6	59.5	49.1	39.8	32.2	26.2	21.8	18.8	17.7
42.5°	69.6	68.7	63.0	55.6	44.5	36.0	30.5	23.2	19.6	17.2	16.1
45°	60.8	60.3	55.9	49.1	40.1	32.5	26.5	21.3	18.0	15.5	14.7
47.5°	52.9	52.1	48.8	43.6	36.3	29.2	22.9	19.1	16.1	14.2	13.6
50°	45.3	45.0	42.3	38.2	32.2	25.4	20.2	16.9	14.7	13.1	12.3
52.5°	38.2	37.6	36.3	33.0	28.1	22.1	17.7	15.0	13.1	12.0	11.5
55°	31.4	31.4	30.0	27.8	24.0	18.8	15.5	13.4	11.7	10.9	10.4
57.5°	25.9	25.9	24.8	23.5	19.9	16.1	13.6	11.7	10.6	9.8	9.3
60°	21.3	21.3	20.5	19.1	16.6	13.6	11.7	10.4	9.5	8.7	8.5
62.5°	17.7	17.5	16.9	15.5	13.6	11.5	10.1	9.0	8.2	7.6	7.4
65°	14.2	13.9	13.4	12.3	10.9	9.5	8.5	7.6	7.1	6.5	6.3
67.5°	10.9	10.9	10.4	9.5	8.5	7.6	6.8	6.3	5.7	5.5	5.2
70°	7.9	7.9	7.6	7.1	6.3	5.7	5.2	4.9	4.6	4.4	4.1
72.5°	5.5	5.5	5.2	4.9	4.4	4.1	3.5	3.5	3.3	3.3	3.0
75°	3.0	3.0	3.0	2.7	2.7	2.5	2.5	2.5	2.2	2.2	2.2
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.8	0.8	0.8
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°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
2.5°	46.6	45.8	45.3	45.0	44.2	43.9	43.6	43.4	43.4	43.4
5°	45.6	44.2	42.8	42.0	40.9	40.4	39.8	39.6	39.3	39.3
7.5°	43.6	42.0	40.4	39.0	37.9	36.8	36.3	35.7	35.7	35.5
10°	41.7	39.6	37.6	35.7	34.6	33.3	32.7	32.2	31.9	31.9
12.5°	39.6	36.8	34.6	33.0	31.4	30.3	29.5	28.9	28.6	28.6
15°	37.1	34.4	31.9	30.3	28.6	27.3	26.5	25.9	25.6	25.6
17.5°	34.6	31.9	29.2	27.5	25.9	24.5	24.0	23.5	23.2	22.9
20°	32.5	29.2	27.0	24.8	23.5	22.4	21.5	21.0	20.7	20.7
22.5°	30.0	27.0	24.5	22.9	21.5	20.5	19.4	19.1	18.8	18.8
25°	27.5	24.8	22.6	21.0	19.4	18.5	17.7	17.2	17.2	16.9
27.5°	25.6	22.9	20.7	19.1	18.0	16.9	16.4	15.8	15.5	15.5
30°	23.5	21.0	19.1	17.7	16.4	15.5	15.0	14.5	14.5	14.5
31°	22.9	20.5	18.5	16.9	15.8	15.0	14.5	14.2	13.9	13.9
32.5°	21.5	19.4	17.5	16.1	15.0	14.2	13.6	13.4	13.4	13.1
35°	19.9	17.7	16.1	14.7	13.9	13.1	12.5	12.3	12.3	12.3
37.5°	18.3	16.4	14.7	13.6	12.8	12.0	11.7	11.2	11.2	11.2
40°	16.6	15.0	13.6	12.5	11.7	11.2	10.9	10.6	10.4	10.4
42.5°	15.3	13.6	12.5	11.7	10.9	10.4	10.1	9.8	9.8	9.5
45°	13.9	12.5	11.7	10.9	10.1	9.8	9.5	9.3	9.0	9.0
47.5°	12.8	11.7	10.6	10.1	9.5	9.0	8.7	8.7	8.5	8.5
50°	11.7	10.6	9.8	9.3	8.7	8.5	8.2	8.2	7.9	7.9
52.5°	10.9	9.8	9.3	8.7	8.2	7.9	7.6	7.6	7.4	7.4
55°	9.8	9.0	8.5	8.2	7.6	7.4	7.1	6.8	6.8	7.1
57.5°	9.0	8.5	7.9	7.6	7.1	6.8	6.5	6.5	6.3	6.5
60°	8.2	7.6	7.1	6.8	6.5	6.3	6.0	5.7	5.7	5.7
62.5°	7.4	6.8	6.5	6.0	5.7	5.7	5.5	5.5	5.5	5.2
65°	6.3	6.0	5.7	5.5	5.2	4.9	4.9	4.6	4.6	4.6
67.5°	5.2	4.9	4.6	4.6	4.4	4.1	4.1	4.1	4.1	3.8
70°	4.1	3.8	3.8	3.5	3.5	3.5	3.3	3.3	3.3	3.3
72.5°	3.0	3.0	2.7	2.7	2.7	2.7	2.5	2.5	2.5	2.5
75°	2.2	2.2	2.2	1.9	1.9	1.9	1.6	1.6	1.6	1.6
77.5°	1.4	1.4	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.1
80°	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.5	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)