

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: P1446110

Luminaire Tested: P3ART02R709040DE010 E3LCWW1B

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446110
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: P3ART02R709040DE010 E3LCWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3LCWW1B TRIM
Light Source: -
Ballast/Driver: -

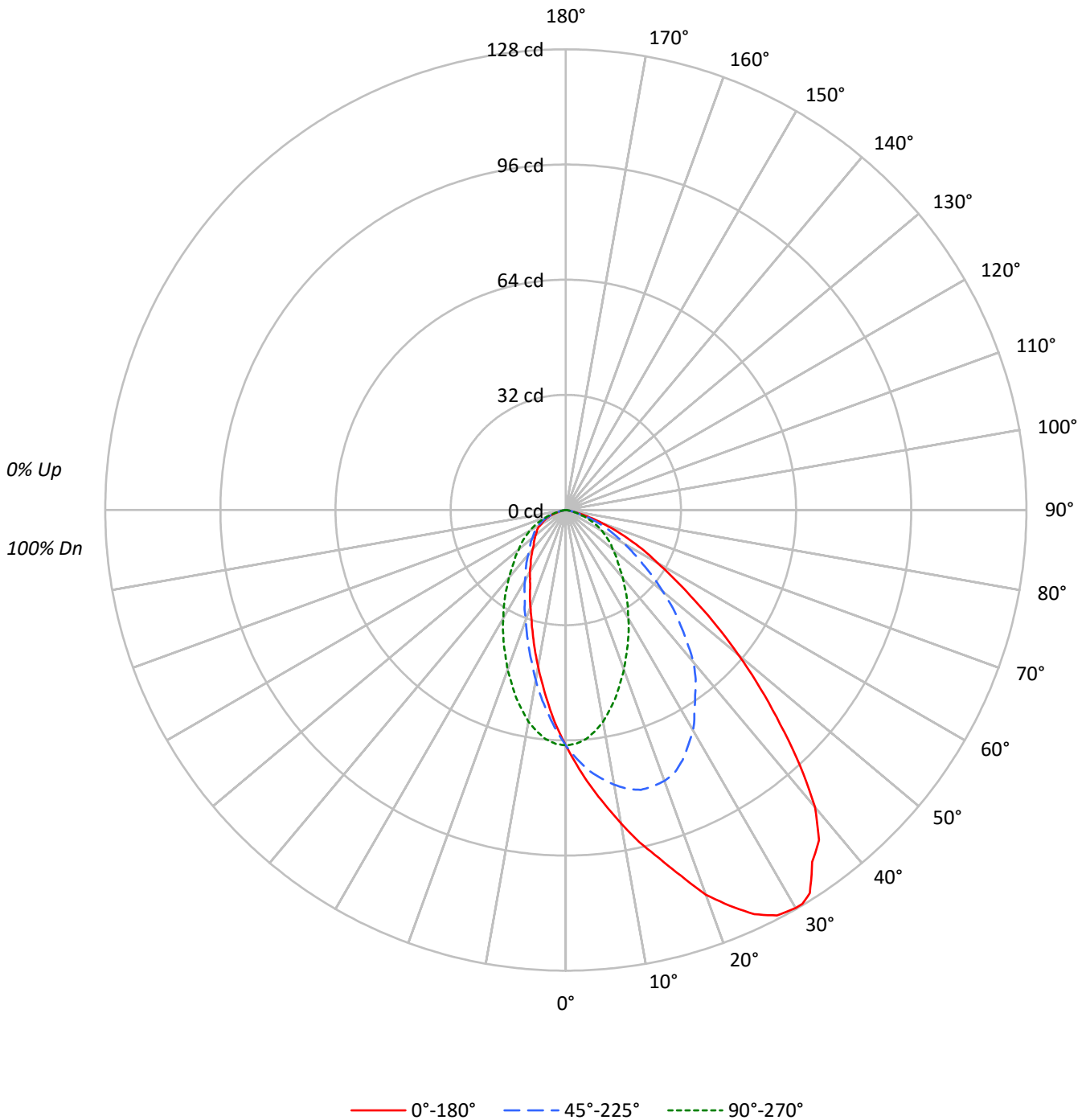
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 133.0 lumens
Efficiency: N/A
Efficacy: 36.9 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
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°	14341	14341	14341	14341	14341
5°	16883	15981	14066	12481	11974
10°	19683	17256	13293	10688	9842
15°	22724	18275	12191	9013	8059
20°	26532	18692	11014	7584	6697
25°	29978	18558	9872	6484	5662
30°	32334	17901	8811	5748	5064
35°	31962	16784	7897	5166	4551
40°	30829	15801	7042	4637	4122
45°	26142	13955	6326	4342	3876
50°	21389	11974	5799	4128	3753
55°	16630	9978	5505	4052	3747
60°	12938	8289	5131	3991	3465
65°	10222	6849	4514	3736	3321
70°	7052	5065	3654	3142	2885
75°	3558	2881	2542	2203	1949
80°	505	1010	1389	1010	505
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26142 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	4.6
10°-20°	17.0	12.8
20°-30°	25.1	18.9
30°-40°	28.1	21.2
40°-50°	24.7	18.6
50°-60°	17.7	13.3
60°-70°	10.5	7.9
70°-80°	3.5	2.6
80°-90°	0.2	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°	48.2	36.3
0°-40°	76.4	57.4
0°-60°	118.8	89.3
0°-90°	133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	133.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	65	65	65	65	65	
5°	77	73	64	57	54	8
15°	100	80	54	40	36	29
25°	124	77	41	27	23	57
35°	119	63	30	19	17	75
45°	84	45	20	14	12	65
55°	44	26	14	11	10	40
65°	20	13	9	7	6	20
75°	4	3	3	3	2	5
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°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
2.5°	71.0	71.0	71.0	70.3	70.3	69.2	68.4	67.3	66.5	65.4	65.0
5°	76.7	76.7	76.0	75.2	74.1	72.6	70.7	68.8	66.5	64.6	63.9
7.5°	82.4	82.8	81.6	80.1	77.8	75.2	72.6	69.5	66.1	63.5	62.0
10°	88.4	88.4	86.9	84.6	81.2	77.5	73.3	69.2	65.0	61.2	59.7
12.5°	94.5	94.1	92.2	88.8	84.6	79.4	73.7	68.4	63.5	59.0	56.7
15°	100.1	100.1	97.5	93.3	87.3	80.5	73.7	66.9	61.2	55.9	53.7
17.5°	106.6	106.6	103.2	96.7	89.2	80.5	72.6	65.0	58.6	52.9	50.3
20°	113.7	113.4	108.5	99.8	89.9	80.1	71.0	62.7	55.5	49.5	47.2
22.5°	119.0	118.7	113.0	102.4	90.3	79.0	68.4	59.7	52.5	46.5	43.8
25°	123.9	123.2	116.8	103.5	89.6	76.7	65.8	56.3	49.5	43.5	40.8
27.5°	127.0	126.6	119.4	103.2	87.7	73.7	62.4	53.3	46.1	40.1	37.8
30°	127.7	128.1	119.4	101.3	84.6	70.7	59.0	49.9	42.7	37.4	34.8
31°	127.7	128.1	118.7	100.1	83.5	69.2	57.4	48.7	41.2	35.9	33.6
32.5°	126.2	125.5	117.5	98.3	80.9	66.5	55.5	46.9	39.3	34.0	32.1
35°	119.4	119.8	113.7	94.1	77.1	62.7	51.8	43.1	35.9	31.4	29.5
37.5°	115.6	115.6	104.7	88.4	72.9	59.3	47.2	38.9	32.9	28.7	26.8
40°	107.7	106.6	96.4	82.4	68.0	55.2	44.6	36.3	30.2	26.1	24.6
42.5°	96.4	95.2	87.3	77.1	61.6	49.9	42.3	32.1	27.2	23.8	22.3
45°	84.3	83.5	77.5	68.0	55.5	45.0	36.7	29.5	24.9	21.5	20.4
47.5°	73.3	72.2	67.6	60.5	50.3	40.4	31.7	26.5	22.3	19.7	18.9
50°	62.7	62.4	58.6	52.9	44.6	35.1	28.0	23.4	20.4	18.1	17.0
52.5°	52.9	52.1	50.3	45.7	38.9	30.6	24.6	20.8	18.1	16.6	15.9
55°	43.5	43.5	41.6	38.5	33.3	26.1	21.5	18.5	16.2	15.1	14.4
57.5°	35.9	35.9	34.4	32.5	27.6	22.3	18.9	16.2	14.7	13.6	12.8
60°	29.5	29.5	28.3	26.5	23.1	18.9	16.2	14.4	13.2	12.1	11.7
62.5°	24.6	24.2	23.4	21.5	18.9	15.9	14.0	12.5	11.3	10.6	10.2
65°	19.7	19.3	18.5	17.0	15.1	13.2	11.7	10.6	9.8	9.1	8.7
67.5°	15.1	15.1	14.4	13.2	11.7	10.6	9.4	8.7	7.9	7.6	7.2
70°	11.0	11.0	10.6	9.8	8.7	7.9	7.2	6.8	6.4	6.0	5.7
72.5°	7.6	7.6	7.2	6.8	6.0	5.7	4.9	4.9	4.5	4.5	4.2
75°	4.2	4.2	4.2	3.8	3.8	3.4	3.4	3.4	3.0	3.0	3.0
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
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°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
2.5°	64.6	63.5	62.7	62.4	61.2	60.8	60.5	60.1	60.1	60.1
5°	63.1	61.2	59.3	58.2	56.7	55.9	55.2	54.8	54.4	54.4
7.5°	60.5	58.2	55.9	54.0	52.5	51.0	50.3	49.5	49.5	49.1
10°	57.8	54.8	52.1	49.5	48.0	46.1	45.3	44.6	44.2	44.2
12.5°	54.8	51.0	48.0	45.7	43.5	41.9	40.8	40.1	39.7	39.7
15°	51.4	47.6	44.2	41.9	39.7	37.8	36.7	35.9	35.5	35.5
17.5°	48.0	44.2	40.4	38.2	35.9	34.0	33.3	32.5	32.1	31.7
20°	45.0	40.4	37.4	34.4	32.5	31.0	29.9	29.1	28.7	28.7
22.5°	41.6	37.4	34.0	31.7	29.9	28.3	26.8	26.5	26.1	26.1
25°	38.2	34.4	31.4	29.1	26.8	25.7	24.6	23.8	23.8	23.4
27.5°	35.5	31.7	28.7	26.5	24.9	23.4	22.7	21.9	21.5	21.5
30°	32.5	29.1	26.5	24.6	22.7	21.5	20.8	20.0	20.0	20.0
31°	31.7	28.3	25.7	23.4	21.9	20.8	20.0	19.7	19.3	19.3
32.5°	29.9	26.8	24.2	22.3	20.8	19.7	18.9	18.5	18.5	18.1
35°	27.6	24.6	22.3	20.4	19.3	18.1	17.4	17.0	17.0	17.0
37.5°	25.3	22.7	20.4	18.9	17.8	16.6	16.2	15.5	15.5	15.5
40°	23.1	20.8	18.9	17.4	16.2	15.5	15.1	14.7	14.4	14.4
42.5°	21.2	18.9	17.4	16.2	15.1	14.4	14.0	13.6	13.6	13.2
45°	19.3	17.4	16.2	15.1	14.0	13.6	13.2	12.8	12.5	12.5
47.5°	17.8	16.2	14.7	14.0	13.2	12.5	12.1	12.1	11.7	11.7
50°	16.2	14.7	13.6	12.8	12.1	11.7	11.3	11.3	11.0	11.0
52.5°	15.1	13.6	12.8	12.1	11.3	11.0	10.6	10.6	10.2	10.2
55°	13.6	12.5	11.7	11.3	10.6	10.2	9.8	9.4	9.4	9.8
57.5°	12.5	11.7	11.0	10.6	9.8	9.4	9.1	9.1	8.7	9.1
60°	11.3	10.6	9.8	9.4	9.1	8.7	8.3	7.9	7.9	7.9
62.5°	10.2	9.4	9.1	8.3	7.9	7.9	7.6	7.6	7.6	7.2
65°	8.7	8.3	7.9	7.6	7.2	6.8	6.8	6.4	6.4	6.4
67.5°	7.2	6.8	6.4	6.4	6.0	5.7	5.7	5.7	5.7	5.3
70°	5.7	5.3	5.3	4.9	4.9	4.9	4.5	4.5	4.5	4.5
72.5°	4.2	4.2	3.8	3.8	3.8	3.8	3.4	3.4	3.4	3.4
75°	3.0	3.0	3.0	2.6	2.6	2.6	2.3	2.3	2.3	2.3
77.5°	1.9	1.9	1.9	1.9	1.9	1.5	1.5	1.5	1.5	1.5
80°	1.1	1.1	1.1	1.1	0.8	0.8	0.8	0.8	0.8	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	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)