

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: P3ART02R709835DE010 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: P3ART02R709835DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

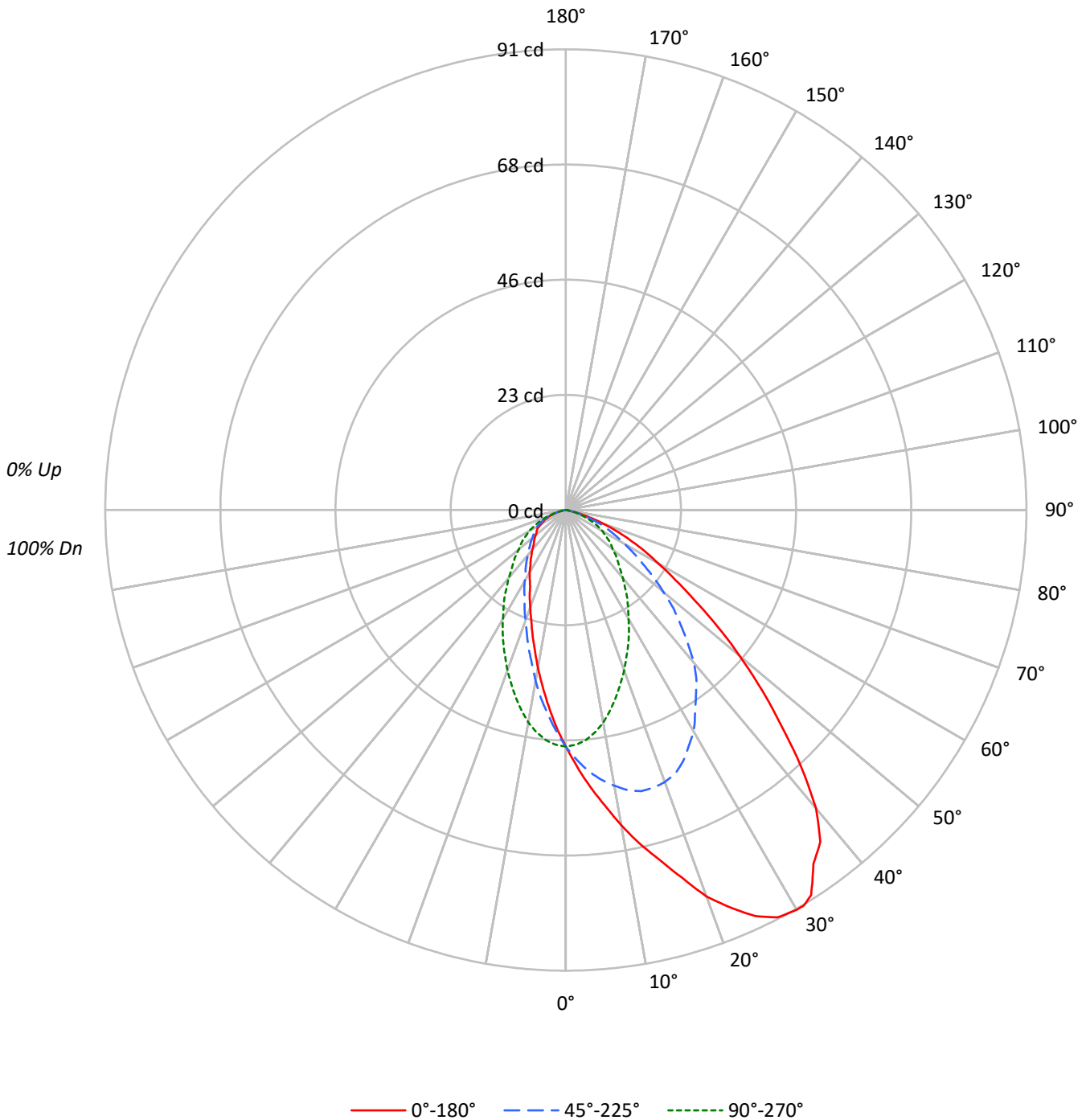
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 95.0 lumens
Efficiency: N/A
Efficacy: 26.4 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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CATALOG NUMBER: P3ART02R709835DE010 E3LCWW1H

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	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°	10240	10240	10240	10240	10240
5°	12062	11402	10037	8915	8563
10°	14072	12313	9485	7637	7036
15°	16232	13053	8695	6425	5766
20°	18948	13348	7864	5414	4784
25°	21413	13259	7065	4645	4041
30°	23092	12787	6279	4102	3621
35°	22834	11993	5648	3694	3239
40°	22013	11278	5009	3321	2948
45°	18669	9955	4528	3101	2760
50°	15283	8563	4128	2934	2661
55°	11851	7111	3938	2906	2676
60°	9254	5921	3684	2851	2500
65°	7264	4877	3217	2646	2387
70°	5001	3654	2565	2244	2052
75°	2542	2033	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: 18669 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	4.6
10°-20°	12.2	12.8
20°-30°	17.9	18.9
30°-40°	20.1	21.2
40°-50°	17.7	18.6
50°-60°	12.6	13.3
60°-70°	7.5	7.9
70°-80°	2.5	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°	34.5	36.3
0°-40°	54.6	57.4
0°-60°	84.9	89.4
0°-90°	95.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	95.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	47	47	47	47	47	
5°	55	52	46	40	39	5
15°	72	58	38	28	25	21
25°	88	55	29	19	17	41
35°	85	45	21	14	12	54
45°	60	32	15	10	9	47
55°	31	19	10	8	7	28
65°	14	9	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°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
2.5°	50.7	50.7	50.7	50.2	50.2	49.4	48.9	48.0	47.5	46.7	46.4
5°	54.8	54.8	54.3	53.7	52.9	51.8	50.5	49.1	47.5	46.2	45.6
7.5°	58.8	59.1	58.3	57.2	55.6	53.7	51.8	49.7	47.2	45.3	44.3
10°	63.2	63.2	62.1	60.5	58.0	55.3	52.4	49.4	46.4	43.7	42.6
12.5°	67.5	67.2	65.9	63.4	60.5	56.7	52.6	48.9	45.3	42.1	40.5
15°	71.5	71.5	69.6	66.7	62.4	57.5	52.6	47.8	43.7	39.9	38.3
17.5°	76.1	76.1	73.7	69.1	63.7	57.5	51.8	46.4	41.8	37.8	35.9
20°	81.2	81.0	77.5	71.3	64.2	57.2	50.7	44.8	39.7	35.4	33.7
22.5°	85.0	84.8	80.7	73.1	64.5	56.4	48.9	42.6	37.5	33.2	31.3
25°	88.5	88.0	83.4	74.0	64.0	54.8	47.0	40.2	35.4	31.0	29.2
27.5°	90.7	90.4	85.3	73.7	62.6	52.6	44.5	38.1	32.9	28.6	27.0
30°	91.2	91.5	85.3	72.3	60.5	50.5	42.1	35.6	30.5	26.7	24.8
31°	91.2	91.5	84.8	71.5	59.7	49.4	41.0	34.8	29.4	25.6	24.0
32.5°	90.2	89.6	83.9	70.2	57.8	47.5	39.7	33.5	28.1	24.3	22.9
35°	85.3	85.6	81.2	67.2	55.1	44.8	37.0	30.8	25.6	22.4	21.1
37.5°	82.6	82.6	74.8	63.2	52.1	42.4	33.7	27.8	23.5	20.5	19.2
40°	76.9	76.1	68.8	58.8	48.6	39.4	31.9	25.9	21.6	18.6	17.5
42.5°	68.8	68.0	62.4	55.1	44.0	35.6	30.2	22.9	19.4	17.0	15.9
45°	60.2	59.7	55.3	48.6	39.7	32.1	26.2	21.1	17.8	15.4	14.6
47.5°	52.4	51.6	48.3	43.2	35.9	28.9	22.7	18.9	15.9	14.0	13.5
50°	44.8	44.5	41.8	37.8	31.9	25.1	20.0	16.7	14.6	13.0	12.1
52.5°	37.8	37.2	35.9	32.7	27.8	21.9	17.5	14.8	13.0	11.9	11.3
55°	31.0	31.0	29.7	27.5	23.8	18.6	15.4	13.2	11.6	10.8	10.3
57.5°	25.6	25.6	24.6	23.2	19.7	15.9	13.5	11.6	10.5	9.7	9.2
60°	21.1	21.1	20.2	18.9	16.5	13.5	11.6	10.3	9.4	8.6	8.4
62.5°	17.5	17.3	16.7	15.4	13.5	11.3	10.0	8.9	8.1	7.6	7.3
65°	14.0	13.8	13.2	12.1	10.8	9.4	8.4	7.6	7.0	6.5	6.2
67.5°	10.8	10.8	10.3	9.4	8.4	7.6	6.7	6.2	5.7	5.4	5.1
70°	7.8	7.8	7.6	7.0	6.2	5.7	5.1	4.9	4.6	4.3	4.0
72.5°	5.4	5.4	5.1	4.9	4.3	4.0	3.5	3.5	3.2	3.2	3.0
75°	3.0	3.0	3.0	2.7	2.7	2.4	2.4	2.4	2.2	2.2	2.2
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
2.5°	46.2	45.3	44.8	44.5	43.7	43.5	43.2	42.9	42.9	42.9
5°	45.1	43.7	42.4	41.6	40.5	39.9	39.4	39.1	38.9	38.9
7.5°	43.2	41.6	39.9	38.6	37.5	36.4	35.9	35.4	35.4	35.1
10°	41.3	39.1	37.2	35.4	34.3	32.9	32.4	31.9	31.6	31.6
12.5°	39.1	36.4	34.3	32.7	31.0	30.0	29.2	28.6	28.3	28.3
15°	36.7	34.0	31.6	30.0	28.3	27.0	26.2	25.6	25.4	25.4
17.5°	34.3	31.6	28.9	27.3	25.6	24.3	23.8	23.2	22.9	22.7
20°	32.1	28.9	26.7	24.6	23.2	22.1	21.3	20.8	20.5	20.5
22.5°	29.7	26.7	24.3	22.7	21.3	20.2	19.2	18.9	18.6	18.6
25°	27.3	24.6	22.4	20.8	19.2	18.4	17.5	17.0	17.0	16.7
27.5°	25.4	22.7	20.5	18.9	17.8	16.7	16.2	15.7	15.4	15.4
30°	23.2	20.8	18.9	17.5	16.2	15.4	14.8	14.3	14.3	14.3
31°	22.7	20.2	18.4	16.7	15.7	14.8	14.3	14.0	13.8	13.8
32.5°	21.3	19.2	17.3	15.9	14.8	14.0	13.5	13.2	13.2	13.0
35°	19.7	17.5	15.9	14.6	13.8	13.0	12.4	12.1	12.1	12.1
37.5°	18.1	16.2	14.6	13.5	12.7	11.9	11.6	11.1	11.1	11.1
40°	16.5	14.8	13.5	12.4	11.6	11.1	10.8	10.5	10.3	10.3
42.5°	15.1	13.5	12.4	11.6	10.8	10.3	10.0	9.7	9.7	9.4
45°	13.8	12.4	11.6	10.8	10.0	9.7	9.4	9.2	8.9	8.9
47.5°	12.7	11.6	10.5	10.0	9.4	8.9	8.6	8.6	8.4	8.4
50°	11.6	10.5	9.7	9.2	8.6	8.4	8.1	8.1	7.8	7.8
52.5°	10.8	9.7	9.2	8.6	8.1	7.8	7.6	7.6	7.3	7.3
55°	9.7	8.9	8.4	8.1	7.6	7.3	7.0	6.7	6.7	7.0
57.5°	8.9	8.4	7.8	7.6	7.0	6.7	6.5	6.5	6.2	6.5
60°	8.1	7.6	7.0	6.7	6.5	6.2	5.9	5.7	5.7	5.7
62.5°	7.3	6.7	6.5	5.9	5.7	5.7	5.4	5.4	5.4	5.1
65°	6.2	5.9	5.7	5.4	5.1	4.9	4.9	4.6	4.6	4.6
67.5°	5.1	4.9	4.6	4.6	4.3	4.0	4.0	4.0	4.0	3.8
70°	4.0	3.8	3.8	3.5	3.5	3.5	3.2	3.2	3.2	3.2
72.5°	3.0	3.0	2.7	2.7	2.7	2.7	2.4	2.4	2.4	2.4
75°	2.2	2.2	2.2	1.9	1.9	1.9	1.6	1.6	1.6	1.6
77.5°	1.3	1.3	1.3	1.3	1.3	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)