Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P3ART20R709030D010 E3LCWW1B

Issue Date: 5/8/2026

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Scaled Data Report

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:	P3ART20R709030D010 E3LCWW1B
Description:	3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1B TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	858.0 lumens
Efficiency:	N/A
Efficacy:	29.8 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):	28.8
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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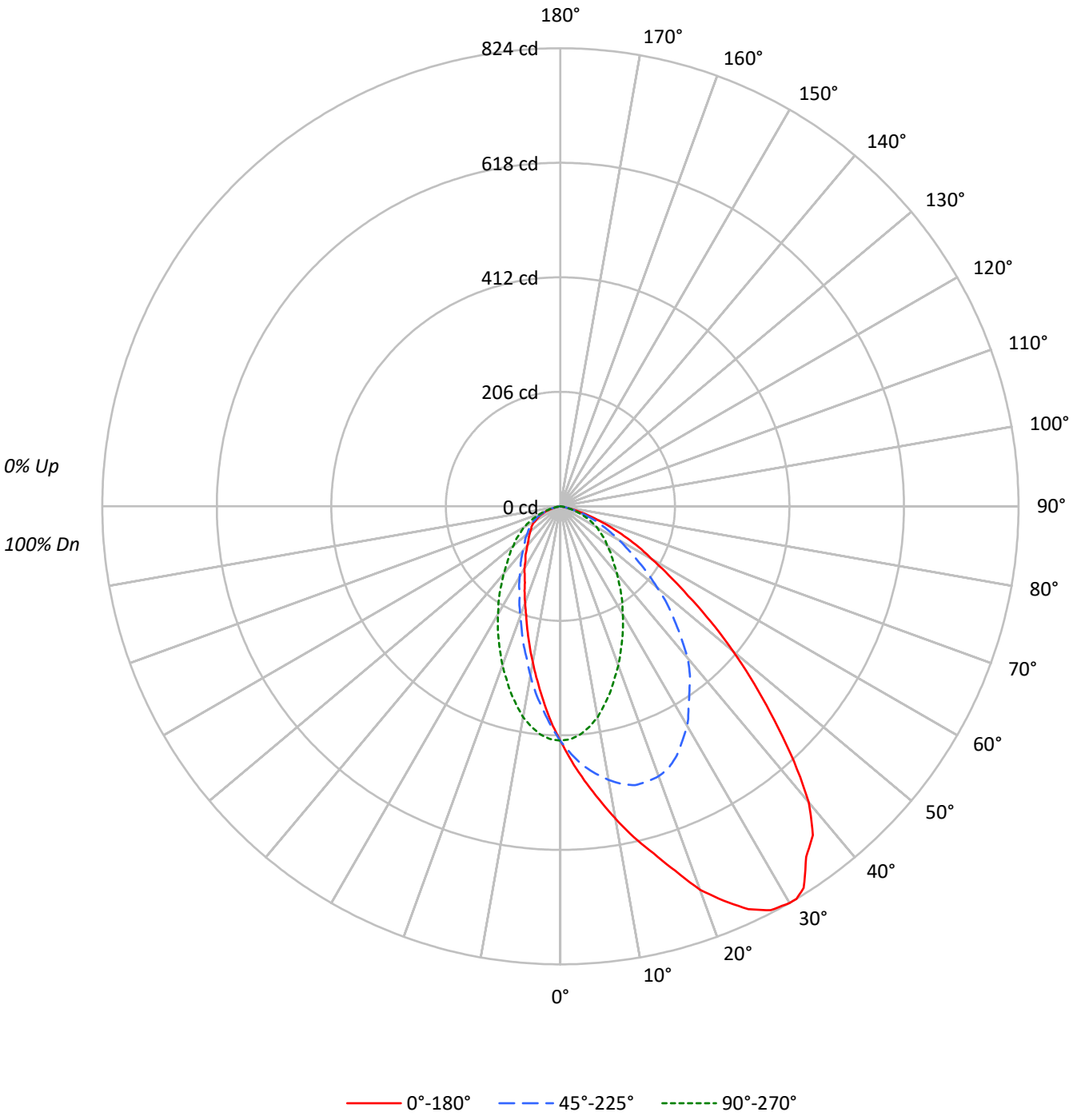
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	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°	92471	92471	92471	92471	92471
5°	108937	103037	90689	80497	77262
10°	127007	111287	85770	68937	63504
15°	146652	117889	78593	58116	52032
20°	171235	120597	71103	48934	43240
25°	193463	119741	63705	41881	36559
30°	208640	115435	56794	37044	32714
35°	206230	108335	50888	33274	29366
40°	198887	101877	45371	29999	26507
45°	168576	89963	40810	27972	24933
50°	138059	77336	37423	26609	24119
55°	107160	64304	35401	26111	24238
60°	83371	53461	33155	25656	22454
65°	65792	44259	29108	24023	21481
70°	45328	32826	23465	20324	18785
75°	22706	18554	16521	14488	12370
80°	3031	6188	9218	6188	3031
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 168576 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	4.6
10°-20°	109.9	12.8
20°-30°	161.9	18.9
30°-40°	181.5	21.2
40°-50°	159.6	18.6
50°-60°	114.2	13.3
60°-70°	67.6	7.9
70°-80°	22.7	2.6
80°-90°	1.1	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°	311.3	36.3
0°-40°	492.8	57.4
0°-60°	766.6	89.3
0°-90°	858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	858.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	422	422	422	422	422	
5°	495	468	412	366	351	49
15°	646	519	346	256	229	186
25°	800	495	263	173	151	368
35°	770	405	190	124	110	484
45°	544	290	132	90	80	420
55°	280	168	93	68	63	256
65°	127	85	56	46	41	127
75°	27	22	20	17	15	33
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°	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7
2.5°	458.3	458.3	458.3	453.4	453.4	446.1	441.2	433.9	429.1	421.7	419.3
5°	494.9	494.9	490.0	485.1	477.8	468.1	455.9	443.7	429.1	416.9	412.0
7.5°	531.4	533.9	526.6	516.8	502.2	485.1	468.1	448.6	426.6	409.6	399.8
10°	570.4	570.4	560.7	546.1	524.1	499.8	472.9	446.1	419.3	394.9	385.2
12.5°	609.5	607.0	594.8	572.9	546.1	511.9	475.4	441.2	409.6	380.3	365.7
15°	646.0	646.0	629.0	602.1	563.1	519.3	475.4	431.5	394.9	360.8	346.2
17.5°	687.5	687.5	665.5	624.1	575.3	519.3	468.1	419.3	377.9	341.3	324.2
20°	733.8	731.3	699.7	643.6	580.2	516.8	458.3	404.7	358.4	319.4	304.7
22.5°	767.9	765.5	728.9	660.6	582.6	509.5	441.2	385.2	338.9	299.9	282.8
25°	799.6	794.7	753.3	668.0	577.8	494.9	424.2	363.2	319.4	280.3	263.3
27.5°	819.1	816.7	770.4	665.5	565.6	475.4	402.2	343.7	297.4	258.4	243.8
30°	824.0	826.4	770.4	653.3	546.1	455.9	380.3	321.8	275.5	241.3	224.3
31°	824.0	826.4	765.5	646.0	538.8	446.1	370.5	314.5	265.7	231.6	217.0
32.5°	814.2	809.4	758.2	633.8	521.7	429.1	358.4	302.3	253.5	219.4	207.2
35°	770.4	772.8	733.8	607.0	497.3	404.7	334.0	277.9	231.6	202.3	190.1
37.5°	746.0	746.0	675.3	570.4	470.5	382.7	304.7	251.1	212.1	185.3	173.1
40°	694.8	687.5	621.6	531.4	438.8	355.9	287.7	234.0	195.0	168.2	158.5
42.5°	621.6	614.3	563.1	497.3	397.4	321.8	273.0	207.2	175.5	153.6	143.8
45°	543.6	538.8	499.8	438.8	358.4	290.1	236.5	190.1	160.9	139.0	131.6
47.5°	472.9	465.6	436.4	390.1	324.2	260.8	204.8	170.6	143.8	126.8	121.9
50°	404.7	402.2	377.9	341.3	287.7	226.7	180.4	151.1	131.6	117.0	109.7
52.5°	341.3	336.4	324.2	295.0	251.1	197.5	158.5	134.1	117.0	107.3	102.4
55°	280.3	280.3	268.2	248.7	214.5	168.2	139.0	119.5	104.8	97.5	92.6
57.5°	231.6	231.6	221.8	209.7	178.0	143.8	121.9	104.8	95.1	87.8	82.9
60°	190.1	190.1	182.8	170.6	148.7	121.9	104.8	92.6	85.3	78.0	75.6
62.5°	158.5	156.0	151.1	139.0	121.9	102.4	90.2	80.4	73.1	68.3	65.8
65°	126.8	124.3	119.5	109.7	97.5	85.3	75.6	68.3	63.4	58.5	56.1
67.5°	97.5	97.5	92.6	85.3	75.6	68.3	60.9	56.1	51.2	48.8	46.3
70°	70.7	70.7	68.3	63.4	56.1	51.2	46.3	43.9	41.4	39.0	36.6
72.5°	48.8	48.8	46.3	43.9	39.0	36.6	31.7	31.7	29.3	29.3	26.8
75°	26.8	26.8	26.8	24.4	24.4	21.9	21.9	21.9	19.5	19.5	19.5
77.5°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
80°	2.4	2.4	2.4	2.4	4.9	4.9	4.9	4.9	7.3	7.3	7.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4
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°	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7
2.5°	416.9	409.6	404.7	402.2	394.9	392.5	390.1	387.6	387.6	387.6
5°	407.1	394.9	382.7	375.4	365.7	360.8	355.9	353.5	351.0	351.0
7.5°	390.1	375.4	360.8	348.6	338.9	329.1	324.2	319.4	319.4	316.9
10°	373.0	353.5	336.4	319.4	309.6	297.4	292.5	287.7	285.2	285.2
12.5°	353.5	329.1	309.6	295.0	280.3	270.6	263.3	258.4	256.0	256.0
15°	331.5	307.2	285.2	270.6	256.0	243.8	236.5	231.6	229.2	229.2
17.5°	309.6	285.2	260.8	246.2	231.6	219.4	214.5	209.7	207.2	204.8
20°	290.1	260.8	241.3	221.8	209.7	199.9	192.6	187.7	185.3	185.3
22.5°	268.2	241.3	219.4	204.8	192.6	182.8	173.1	170.6	168.2	168.2
25°	246.2	221.8	202.3	187.7	173.1	165.8	158.5	153.6	153.6	151.1
27.5°	229.2	204.8	185.3	170.6	160.9	151.1	146.3	141.4	139.0	139.0
30°	*209.7*	*187.7*	*170.6*	*158.5*	*146.3*	*139.0*	*134.1*	*129.2*	*129.2*	*129.2*
31°	204.8	182.8	165.8	151.1	141.4	134.1	129.2	126.8	124.3	124.3
32.5°	192.6	173.1	156.0	143.8	134.1	126.8	121.9	119.5	119.5	117.0
35°	178.0	158.5	143.8	131.6	124.3	117.0	112.1	109.7	109.7	109.7
37.5°	163.3	146.3	131.6	121.9	114.6	107.3	104.8	100.0	100.0	100.0
40°	148.7	134.1	121.9	112.1	104.8	100.0	97.5	95.1	92.6	92.6
42.5°	136.5	121.9	112.1	104.8	97.5	92.6	90.2	87.8	87.8	85.3
45°	124.3	112.1	104.8	97.5	90.2	87.8	85.3	82.9	80.4	80.4
47.5°	114.6	104.8	95.1	90.2	85.3	80.4	78.0	78.0	75.6	75.6
50°	104.8	95.1	87.8	82.9	78.0	75.6	73.1	73.1	70.7	70.7
52.5°	97.5	87.8	82.9	78.0	73.1	70.7	68.3	68.3	65.8	65.8
55°	87.8	80.4	75.6	73.1	68.3	65.8	63.4	60.9	60.9	63.4
57.5°	80.4	75.6	70.7	68.3	63.4	60.9	58.5	58.5	56.1	58.5
60°	73.1	68.3	63.4	60.9	58.5	56.1	53.6	51.2	51.2	51.2
62.5°	65.8	60.9	58.5	53.6	51.2	51.2	48.8	48.8	48.8	46.3
65°	56.1	53.6	51.2	48.8	46.3	43.9	43.9	41.4	41.4	41.4
67.5°	46.3	43.9	41.4	41.4	39.0	36.6	36.6	36.6	36.6	34.1
70°	36.6	34.1	34.1	31.7	31.7	31.7	29.3	29.3	29.3	29.3
72.5°	26.8	26.8	24.4	24.4	24.4	24.4	21.9	21.9	21.9	21.9
75°	19.5	19.5	19.5	17.1	17.1	17.1	14.6	14.6	14.6	14.6
77.5°	12.2	12.2	12.2	12.2	12.2	9.8	9.8	9.8	9.8	9.8
80°	7.3	7.3	7.3	7.3	4.9	4.9	4.9	4.9	4.9	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	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)