

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: P3ART17R709835DE010 E3LCWW1WMH

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: P3ART17R709835DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

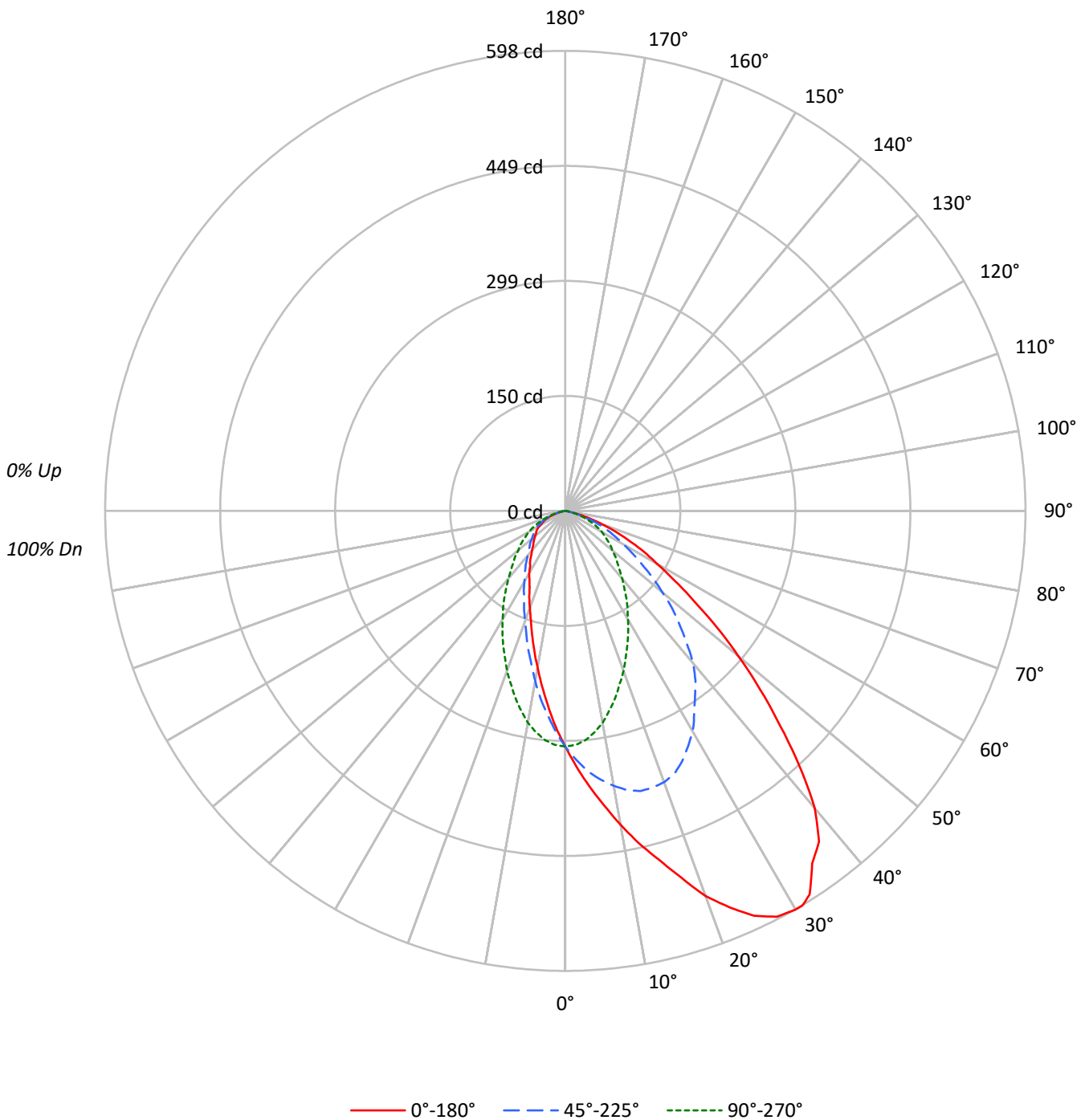
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 623.0 lumens
Efficiency: N/A
Efficacy: 30.5 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): 20.4
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	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°	67144	67144	67144	67144	67144
5°	79089	74818	65859	58441	56108
10°	92227	80805	62279	50055	46114
15°	106493	85585	57072	42202	37775
20°	124331	87578	51641	35516	31386
25°	140476	86932	46261	30413	26542
30°	151492	83810	41247	26890	23750
35°	149747	78648	36968	24173	21335
40°	144413	73967	32947	21784	19265
45°	122400	65309	29646	20312	18110
50°	100227	56152	27189	19309	17500
55°	77837	46679	25729	18962	17586
60°	60565	38813	24077	18639	16314
65°	47735	32169	21118	17434	15618
70°	32890	23850	17054	14746	13592
75°	16521	13471	12031	10506	8981
80°	2273	4420	6693	4420	2273
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 122400 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	4.6
10°-20°	79.8	12.8
20°-30°	117.6	18.9
30°-40°	131.8	21.2
40°-50°	115.9	18.6
50°-60°	82.9	13.3
60°-70°	49.1	7.9
70°-80°	16.5	2.6
80°-90°	0.8	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°	226.0	36.3
0°-40°	357.8	57.4
0°-60°	556.6	89.3
0°-90°	623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	623.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	306	306	306	306	306	
5°	359	340	299	266	255	36
15°	469	377	251	186	166	135
25°	581	359	191	126	110	267
35°	559	294	138	90	80	351
45°	395	211	96	66	58	305
55°	204	122	67	50	46	186
65°	92	62	41	34	30	92
75°	20	16	14	12	11	24
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°	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2
2.5°	332.8	332.8	332.8	329.2	329.2	323.9	320.4	315.1	311.5	306.2	304.5
5°	359.3	359.3	355.8	352.3	346.9	339.9	331.0	322.2	311.5	302.7	299.2
7.5°	385.9	387.7	382.3	375.3	364.6	352.3	339.9	325.7	309.8	297.4	290.3
10°	414.2	414.2	407.1	396.5	380.6	362.9	343.4	323.9	304.5	286.8	279.7
12.5°	442.5	440.8	431.9	416.0	396.5	371.7	345.2	320.4	297.4	276.1	265.5
15°	469.1	469.1	456.7	437.2	408.9	377.0	345.2	313.3	286.8	262.0	251.4
17.5°	499.2	499.2	483.2	453.2	417.7	377.0	339.9	304.5	274.4	247.8	235.4
20°	532.8	531.0	508.0	467.3	421.3	375.3	332.8	293.8	260.2	231.9	221.3
22.5°	557.6	555.8	529.3	479.7	423.1	370.0	320.4	279.7	246.0	217.7	205.3
25°	580.6	577.1	547.0	485.0	419.5	359.3	308.0	263.7	231.9	203.6	191.2
27.5°	594.8	593.0	559.4	483.2	410.7	345.2	292.1	249.6	216.0	187.6	177.0
30°	598.3	600.1	559.4	474.4	396.5	331.0	276.1	233.7	200.0	175.2	162.9
31°	598.3	600.1	555.8	469.1	391.2	323.9	269.1	228.3	192.9	168.2	157.5
32.5°	591.2	587.7	550.5	460.2	378.8	311.5	260.2	219.5	184.1	159.3	150.5
35°	559.4	561.1	532.8	440.8	361.1	293.8	242.5	201.8	168.2	146.9	138.1
37.5°	541.7	541.7	490.3	414.2	341.6	277.9	221.3	182.3	154.0	134.5	125.7
40°	504.5	499.2	451.4	385.9	318.6	258.4	208.9	169.9	141.6	122.1	115.1
42.5°	451.4	446.1	408.9	361.1	288.5	233.7	198.3	150.5	127.4	111.5	104.4
45°	394.7	391.2	362.9	318.6	260.2	210.6	171.7	138.1	116.8	100.9	95.6
47.5°	343.4	338.1	316.9	283.2	235.4	189.4	148.7	123.9	104.4	92.0	88.5
50°	293.8	292.1	274.4	247.8	208.9	164.6	131.0	109.7	95.6	85.0	79.7
52.5°	247.8	244.3	235.4	214.2	182.3	143.4	115.1	97.4	85.0	77.9	74.3
55°	203.6	203.6	194.7	180.6	155.8	122.1	100.9	86.7	76.1	70.8	67.3
57.5°	168.2	168.2	161.1	152.2	129.2	104.4	88.5	76.1	69.0	63.7	60.2
60°	138.1	138.1	132.8	123.9	108.0	88.5	76.1	67.3	62.0	56.6	54.9
62.5°	115.1	113.3	109.7	100.9	88.5	74.3	65.5	58.4	53.1	49.6	47.8
65°	92.0	90.3	86.7	79.7	70.8	62.0	54.9	49.6	46.0	42.5	40.7
67.5°	70.8	70.8	67.3	62.0	54.9	49.6	44.3	40.7	37.2	35.4	33.6
70°	51.3	51.3	49.6	46.0	40.7	37.2	33.6	31.9	30.1	28.3	26.6
72.5°	35.4	35.4	33.6	31.9	28.3	26.6	23.0	23.0	21.2	21.2	19.5
75°	19.5	19.5	19.5	17.7	17.7	15.9	15.9	15.9	14.2	14.2	14.2
77.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
80°	1.8	1.8	1.8	1.8	3.5	3.5	3.5	3.5	5.3	5.3	5.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
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°	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2
2.5°	302.7	297.4	293.8	292.1	286.8	285.0	283.2	281.4	281.4	281.4
5°	295.6	286.8	277.9	272.6	265.5	262.0	258.4	256.7	254.9	254.9
7.5°	283.2	272.6	262.0	253.1	246.0	239.0	235.4	231.9	231.9	230.1
10°	270.8	256.7	244.3	231.9	224.8	216.0	212.4	208.9	207.1	207.1
12.5°	256.7	239.0	224.8	214.2	203.6	196.5	191.2	187.6	185.9	185.9
15°	240.7	223.0	207.1	196.5	185.9	177.0	171.7	168.2	166.4	166.4
17.5°	224.8	207.1	189.4	178.8	168.2	159.3	155.8	152.2	150.5	148.7
20°	210.6	189.4	175.2	161.1	152.2	145.1	139.8	136.3	134.5	134.5
22.5°	194.7	175.2	159.3	148.7	139.8	132.8	125.7	123.9	122.1	122.1
25°	178.8	161.1	146.9	136.3	125.7	120.4	115.1	111.5	111.5	109.7
27.5°	166.4	148.7	134.5	123.9	116.8	109.7	106.2	102.7	100.9	100.9
30°	152.2	136.3	123.9	115.1	106.2	100.9	97.4	93.8	93.8	93.8
31°	148.7	132.8	120.4	109.7	102.7	97.4	93.8	92.0	90.3	90.3
32.5°	139.8	125.7	113.3	104.4	97.4	92.0	88.5	86.7	86.7	85.0
35°	129.2	115.1	104.4	95.6	90.3	85.0	81.4	79.7	79.7	79.7
37.5°	118.6	106.2	95.6	88.5	83.2	77.9	76.1	72.6	72.6	72.6
40°	108.0	97.4	88.5	81.4	76.1	72.6	70.8	69.0	67.3	67.3
42.5°	99.1	88.5	81.4	76.1	70.8	67.3	65.5	63.7	63.7	62.0
45°	90.3	81.4	76.1	70.8	65.5	63.7	62.0	60.2	58.4	58.4
47.5°	83.2	76.1	69.0	65.5	62.0	58.4	56.6	56.6	54.9	54.9
50°	76.1	69.0	63.7	60.2	56.6	54.9	53.1	53.1	51.3	51.3
52.5°	70.8	63.7	60.2	56.6	53.1	51.3	49.6	49.6	47.8	47.8
55°	63.7	58.4	54.9	53.1	49.6	47.8	46.0	44.3	44.3	46.0
57.5°	58.4	54.9	51.3	49.6	46.0	44.3	42.5	42.5	40.7	42.5
60°	53.1	49.6	46.0	44.3	42.5	40.7	38.9	37.2	37.2	37.2
62.5°	47.8	44.3	42.5	38.9	37.2	37.2	35.4	35.4	35.4	33.6
65°	40.7	38.9	37.2	35.4	33.6	31.9	31.9	30.1	30.1	30.1
67.5°	33.6	31.9	30.1	30.1	28.3	26.6	26.6	26.6	26.6	24.8
70°	26.6	24.8	24.8	23.0	23.0	23.0	21.2	21.2	21.2	21.2
72.5°	19.5	19.5	17.7	17.7	17.7	17.7	15.9	15.9	15.9	15.9
75°	14.2	14.2	14.2	12.4	12.4	12.4	10.6	10.6	10.6	10.6
77.5°	8.9	8.9	8.9	8.9	8.9	7.1	7.1	7.1	7.1	7.1
80°	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5	3.5	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	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)