

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: P3ART24R709035D010 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: P3ART24R709035D010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

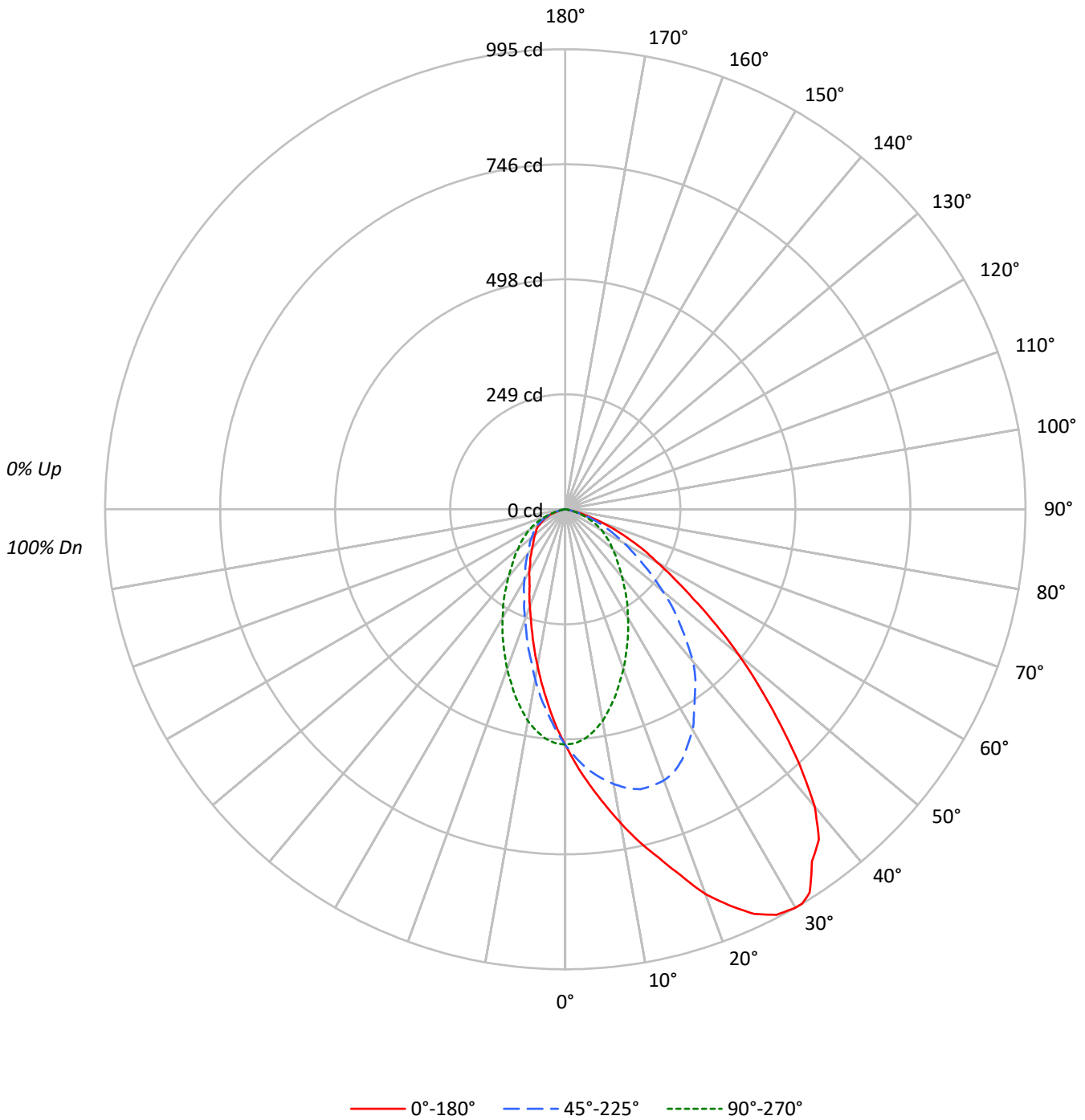
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1036.0 lumens
Efficiency: N/A
Efficacy: 36.0 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			
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	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	111658	111658	111658	111658	111658
5°	131521	124411	109509	97182	93308
10°	153371	134355	103561	83232	76685
15°	177073	142339	94893	70171	62815
20°	206751	145613	85851	59062	52201
25°	233602	144565	76916	50567	44156
30°	251912	139363	68568	44716	39500
35°	249007	130794	61462	40181	35469
40°	240136	123031	54760	36239	32031
45°	203556	108631	49307	33771	30112
50°	166681	93404	45201	32135	29133
55°	129410	77646	42780	31502	29246
60°	100694	64556	40041	30962	27103
65°	79438	53443	35127	29004	25943
70°	54753	39622	28338	24555	22632
75°	27450	22452	19910	17453	14996
80°	3662	7450	11113	7450	3662
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 203556 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	4.6
10°-20°	132.7	12.8
20°-30°	195.5	18.9
30°-40°	219.2	21.2
40°-50°	192.7	18.6
50°-60°	137.9	13.3
60°-70°	81.7	7.9
70°-80°	27.4	2.6
80°-90°	1.3	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°	375.8	36.3
0°-40°	595.0	57.4
0°-60°	925.6	89.3
0°-90°	1036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	509	509	509	509	509	
5°	598	565	498	442	424	60
15°	780	627	418	309	277	225
25°	966	598	318	209	182	444
35°	930	489	230	150	132	584
45°	656	350	159	109	97	508
55°	338	203	112	82	76	309
65°	153	103	68	56	50	153
75°	32	26	24	21	18	39
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2
2.5°	553.4	553.4	553.4	547.5	547.5	538.7	532.8	524.0	518.1	509.2	506.3
5°	597.5	597.5	591.7	585.8	576.9	565.2	550.4	535.7	518.1	503.4	497.5
7.5°	641.7	644.6	635.8	624.0	606.4	585.8	565.2	541.6	515.1	494.5	482.7
10°	688.8	688.8	677.0	659.4	632.9	603.4	571.1	538.7	506.3	476.9	465.1
12.5°	735.9	732.9	718.2	691.7	659.4	618.1	574.0	532.8	494.5	459.2	441.5
15°	780.0	780.0	759.4	727.1	680.0	627.0	574.0	521.0	476.9	435.6	418.0
17.5°	830.1	830.1	803.6	753.6	694.7	627.0	565.2	506.3	456.3	412.1	391.5
20°	886.0	883.1	844.8	777.1	700.6	624.0	553.4	488.6	432.7	385.6	367.9
22.5°	927.2	924.3	880.1	797.7	703.5	615.2	532.8	465.1	409.2	362.1	341.5
25°	965.5	959.6	909.6	806.5	697.6	597.5	512.2	438.6	385.6	338.5	317.9
27.5°	989.0	986.1	930.2	803.6	682.9	574.0	485.7	415.0	359.1	312.0	294.4
30°	994.9	997.9	930.2	788.9	659.4	550.4	459.2	388.6	332.6	291.4	270.8
31°	994.9	997.9	924.3	780.0	650.5	538.7	447.4	379.7	320.8	279.6	262.0
32.5°	983.2	977.3	915.4	765.3	629.9	518.1	432.7	365.0	306.1	264.9	250.2
35°	930.2	933.1	886.0	732.9	600.5	488.6	403.3	335.6	279.6	244.3	229.6
37.5°	900.7	900.7	815.4	688.8	568.1	462.1	367.9	303.2	256.1	223.7	209.0
40°	838.9	830.1	750.6	641.7	529.8	429.8	347.3	282.6	235.5	203.1	191.3
42.5°	750.6	741.8	680.0	600.5	479.8	388.6	329.7	250.2	211.9	185.4	173.7
45°	656.4	650.5	603.4	529.8	432.7	350.3	285.5	229.6	194.3	167.8	159.0
47.5°	571.1	562.2	526.9	471.0	391.5	315.0	247.3	206.0	173.7	153.1	147.2
50°	488.6	485.7	456.3	412.1	347.3	273.8	217.8	182.5	159.0	141.3	132.5
52.5°	412.1	406.2	391.5	356.2	303.2	238.4	191.3	161.9	141.3	129.5	123.6
55°	338.5	338.5	323.8	300.2	259.0	203.1	167.8	144.2	126.6	117.7	111.9
57.5°	279.6	279.6	267.9	253.1	214.9	173.7	147.2	126.6	114.8	106.0	100.1
60°	229.6	229.6	220.8	206.0	179.6	147.2	126.6	111.9	103.0	94.2	91.3
62.5°	191.3	188.4	182.5	167.8	147.2	123.6	108.9	97.1	88.3	82.4	79.5
65°	153.1	150.1	144.2	132.5	117.7	103.0	91.3	82.4	76.5	70.6	67.7
67.5°	117.7	117.7	111.9	103.0	91.3	82.4	73.6	67.7	61.8	58.9	55.9
70°	85.4	85.4	82.4	76.5	67.7	61.8	55.9	53.0	50.0	47.1	44.2
72.5°	58.9	58.9	55.9	53.0	47.1	44.2	38.3	38.3	35.3	35.3	32.4
75°	32.4	32.4	32.4	29.4	29.4	26.5	26.5	26.5	23.5	23.5	23.5
77.5°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
80°	2.9	2.9	2.9	2.9	5.9	5.9	5.9	5.9	8.8	8.8	8.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
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°	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2
2.5°	503.4	494.5	488.6	485.7	476.9	473.9	471.0	468.0	468.0	468.0
5°	491.6	476.9	462.1	453.3	441.5	435.6	429.8	426.8	423.9	423.9
7.5°	471.0	453.3	435.6	420.9	409.2	397.4	391.5	385.6	385.6	382.7
10°	450.4	426.8	406.2	385.6	373.8	359.1	353.2	347.3	344.4	344.4
12.5°	426.8	397.4	373.8	356.2	338.5	326.7	317.9	312.0	309.1	309.1
15°	400.3	370.9	344.4	326.7	309.1	294.4	285.5	279.6	276.7	276.7
17.5°	373.8	344.4	315.0	297.3	279.6	264.9	259.0	253.1	250.2	247.3
20°	350.3	315.0	291.4	267.9	253.1	241.4	232.5	226.7	223.7	223.7
22.5°	323.8	291.4	264.9	247.3	232.5	220.8	209.0	206.0	203.1	203.1
25°	297.3	267.9	244.3	226.7	209.0	200.2	191.3	185.4	185.4	182.5
27.5°	276.7	247.3	223.7	206.0	194.3	182.5	176.6	170.7	167.8	167.8
30°	253.1	226.7	206.0	191.3	176.6	167.8	161.9	156.0	156.0	156.0
31°	247.3	220.8	200.2	182.5	170.7	161.9	156.0	153.1	150.1	150.1
32.5°	232.5	209.0	188.4	173.7	161.9	153.1	147.2	144.2	144.2	141.3
35°	214.9	191.3	173.7	159.0	150.1	141.3	135.4	132.5	132.5	132.5
37.5°	197.2	176.6	159.0	147.2	138.3	129.5	126.6	120.7	120.7	120.7
40°	179.6	161.9	147.2	135.4	126.6	120.7	117.7	114.8	111.9	111.9
42.5°	164.8	147.2	135.4	126.6	117.7	111.9	108.9	106.0	106.0	103.0
45°	150.1	135.4	126.6	117.7	108.9	106.0	103.0	100.1	97.1	97.1
47.5°	138.3	126.6	114.8	108.9	103.0	97.1	94.2	94.2	91.3	91.3
50°	126.6	114.8	106.0	100.1	94.2	91.3	88.3	88.3	85.4	85.4
52.5°	117.7	106.0	100.1	94.2	88.3	85.4	82.4	82.4	79.5	79.5
55°	106.0	97.1	91.3	88.3	82.4	79.5	76.5	73.6	73.6	76.5
57.5°	97.1	91.3	85.4	82.4	76.5	73.6	70.6	70.6	67.7	70.6
60°	88.3	82.4	76.5	73.6	70.6	67.7	64.8	61.8	61.8	61.8
62.5°	79.5	73.6	70.6	64.8	61.8	61.8	58.9	58.9	58.9	55.9
65°	67.7	64.8	61.8	58.9	55.9	53.0	53.0	50.0	50.0	50.0
67.5°	55.9	53.0	50.0	50.0	47.1	44.2	44.2	44.2	44.2	41.2
70°	44.2	41.2	41.2	38.3	38.3	38.3	35.3	35.3	35.3	35.3
72.5°	32.4	32.4	29.4	29.4	29.4	29.4	26.5	26.5	26.5	26.5
75°	23.5	23.5	23.5	20.6	20.6	20.6	17.7	17.7	17.7	17.7
77.5°	14.7	14.7	14.7	14.7	14.7	11.8	11.8	11.8	11.8	11.8
80°	8.8	8.8	8.8	8.8	5.9	5.9	5.9	5.9	5.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	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)