

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: P3ART24R709050D010 E3CLSWW1MW

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART24R709050D010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

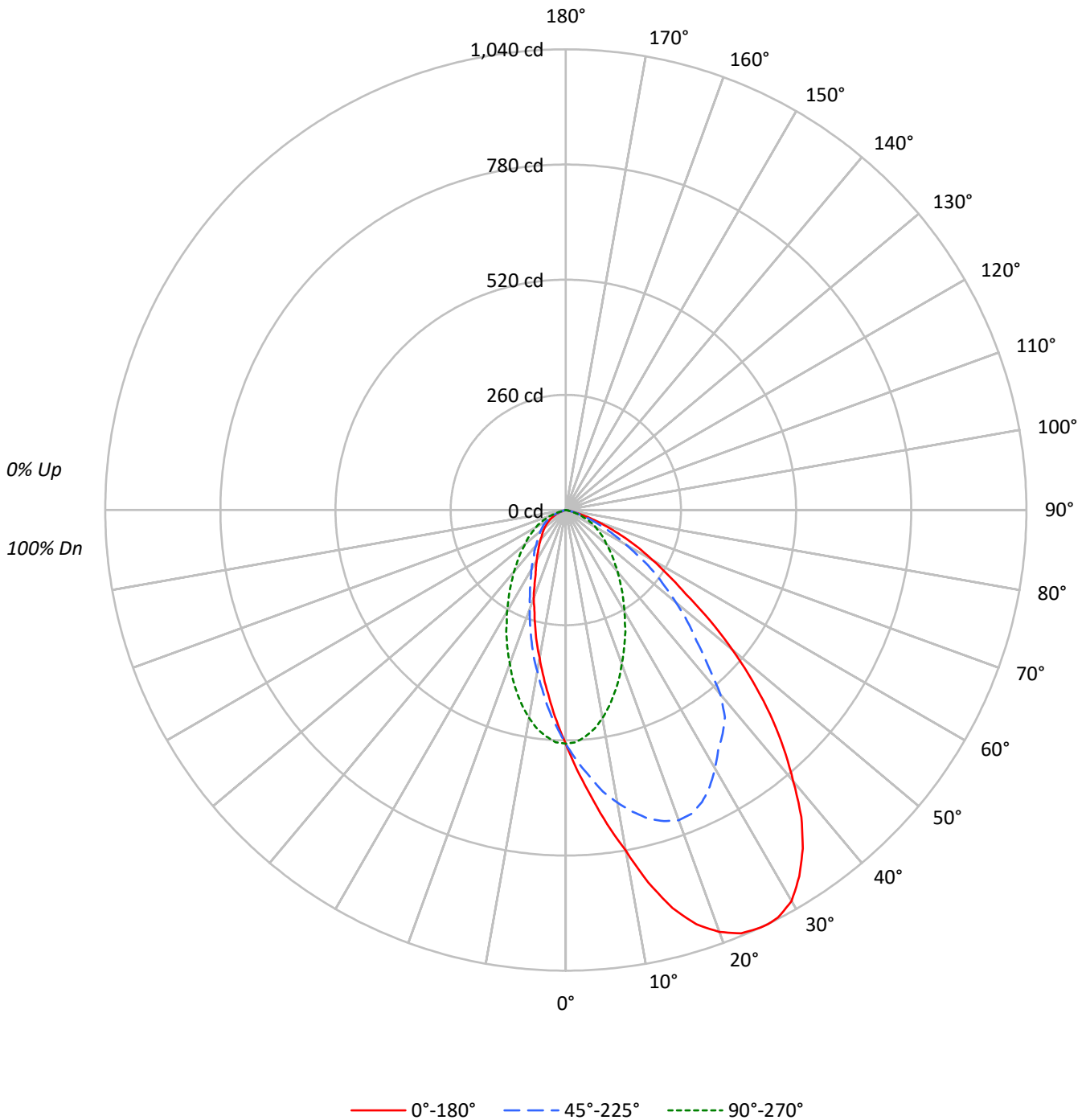
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1051.0 lumens
Efficiency: N/A
Efficacy: 36.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	115692	115692	115692	115692	115692
5°	142395	132533	112855	99075	93836
10°	173900	149340	106188	82296	75661
15°	211125	163769	96777	68355	60908
20°	236504	173895	86247	55655	49378
25°	251700	175970	76456	46164	38954
30°	258141	170583	67175	39247	33220
35°	249757	165166	59053	33515	28723
40°	228686	155291	52040	29856	25591
45°	202440	129409	46206	27724	23103
50°	167807	110836	40664	25415	21355
55°	126504	92326	37619	23932	19383
60°	99334	69293	33989	22235	17016
65°	74249	51056	29368	18575	13906
70°	47764	32505	21029	13400	7629
75°	20164	17707	10082	5083	2542
80°	3788	3788	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 202440 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	4.8
10°-20°	144.0	13.7
20°-30°	210.6	20.0
30°-40°	229.5	21.8
40°-50°	198.6	18.9
50°-60°	133.0	12.7
60°-70°	68.7	6.5
70°-80°	16.3	1.5
80°-90°	0.2	0.0
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°	404.7	38.5
0°-40°	634.2	60.3
0°-60°	965.9	91.9
0°-90°	1051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1051.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	528	528	528	528	528	
5°	647	602	513	450	426	66
15°	930	721	426	301	268	263
25°	1040	727	316	191	161	478
35°	933	617	221	125	107	578
45°	653	417	149	89	74	500
55°	331	242	98	63	51	306
65°	143	98	57	36	27	144
75°	24	21	12	6	3	31
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°	527.6	527.6	527.6	527.6	527.6	527.6	527.6	527.6	527.6	527.6	527.6
2.5°	587.2	584.3	584.3	578.3	572.3	566.4	557.4	548.5	539.5	530.6	524.6
5°	646.9	649.8	646.9	634.9	620.0	602.1	584.3	563.4	542.5	524.6	512.7
7.5°	715.4	715.4	706.5	691.6	670.7	640.9	611.1	575.3	542.5	512.7	497.8
10°	781.0	781.0	766.1	742.2	709.5	670.7	629.0	581.3	536.6	494.8	476.9
12.5°	861.5	858.5	840.6	801.9	754.2	697.5	640.9	581.3	527.6	476.9	453.1
15°	930.0	927.1	903.2	855.5	792.9	721.4	643.9	575.3	509.7	453.1	426.3
17.5°	980.7	974.8	947.9	897.3	825.7	736.3	646.9	563.4	488.9	426.3	399.4
20°	1013.5	1010.5	980.7	921.1	843.6	745.2	643.9	548.5	468.0	399.4	369.6
22.5°	1034.4	1028.4	998.6	933.0	843.6	742.2	632.0	527.6	441.2	372.6	342.8
25°	1040.3	1037.4	1001.6	930.0	834.7	727.3	614.1	506.8	414.3	345.8	316.0
26°	1040.3	1037.4	1001.6	927.1	828.7	718.4	605.1	497.8	405.4	333.9	307.0
27.5°	1037.4	1034.4	995.6	918.1	816.8	703.5	587.2	479.9	387.5	319.0	289.1
30°	1019.5	1013.5	974.8	897.3	789.9	673.7	557.4	453.1	360.7	292.1	265.3
32.5°	980.7	974.8	933.0	861.5	760.1	640.9	524.6	423.3	333.9	265.3	241.5
35°	933.0	927.1	885.3	816.8	718.4	617.0	488.9	390.5	304.1	244.4	220.6
37.5°	873.4	864.5	828.7	757.2	667.7	590.2	459.1	357.7	277.2	220.6	199.7
40°	798.9	795.9	763.1	697.5	608.1	542.5	441.2	357.7	253.4	199.7	181.8
42.5°	727.3	721.4	691.6	634.9	554.4	474.0	387.5	342.8	235.5	178.9	164.0
45°	652.8	646.9	620.0	572.3	497.8	417.3	347.3	295.1	202.7	164.0	149.0
47.5°	572.3	566.4	545.5	509.7	444.2	372.6	304.1	241.5	184.8	146.1	134.1
50°	491.9	494.8	476.9	441.2	390.5	324.9	262.3	202.7	158.0	131.2	119.2
52.5°	411.4	408.4	396.5	372.6	336.8	280.2	223.6	172.9	137.1	116.3	110.3
55°	330.9	333.9	327.9	313.0	283.2	241.5	187.8	149.0	122.2	104.3	98.4
57.5°	274.2	277.2	265.3	256.4	232.5	196.7	155.0	125.2	104.3	92.4	86.4
60°	226.5	229.5	220.6	208.7	190.8	158.0	125.2	104.3	92.4	83.5	77.5
62.5°	184.8	181.8	175.9	164.0	149.0	125.2	101.4	86.4	77.5	71.5	68.6
65°	143.1	143.1	137.1	128.2	116.3	98.4	80.5	71.5	65.6	59.6	56.6
67.5°	107.3	107.3	101.4	95.4	83.5	71.5	62.6	56.6	53.7	47.7	44.7
70°	74.5	74.5	71.5	68.6	59.6	50.7	47.7	41.7	38.8	35.8	32.8
72.5°	47.7	47.7	47.7	41.7	38.8	32.8	32.8	29.8	26.8	23.8	23.8
75°	23.8	26.8	23.8	23.8	20.9	20.9	17.9	17.9	14.9	14.9	11.9
77.5°	8.9	8.9	8.9	8.9	8.9	8.9	6.0	6.0	6.0	6.0	6.0
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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°	527.6	527.6	527.6	527.6	527.6	527.6	527.6	527.6	527.6	527.6
2.5°	518.7	509.7	503.8	494.8	488.9	482.9	479.9	476.9	476.9	476.9
5°	503.8	488.9	474.0	459.1	450.1	441.2	432.2	429.3	426.3	426.3
7.5°	485.9	462.0	441.2	423.3	408.4	399.4	390.5	384.5	381.6	381.6
10°	462.0	432.2	408.4	384.5	369.6	357.7	351.7	342.8	342.8	339.8
12.5°	435.2	399.4	372.6	351.7	336.8	321.9	313.0	307.0	304.1	304.1
15°	405.4	369.6	339.8	316.0	301.1	286.2	277.2	271.3	268.3	268.3
17.5°	375.6	336.8	307.0	283.2	268.3	253.4	244.4	238.5	238.5	235.5
20°	345.8	307.0	277.2	253.4	238.5	226.5	217.6	211.6	208.7	211.6
22.5°	319.0	280.2	250.4	229.5	211.6	199.7	190.8	187.8	184.8	184.8
25°	289.1	253.4	226.5	205.7	190.8	178.9	169.9	166.9	164.0	161.0
26°	280.2	244.4	217.6	196.7	181.8	169.9	164.0	158.0	155.0	155.0
27.5°	268.3	229.5	205.7	184.8	169.9	161.0	152.0	149.0	146.1	146.1
30°	241.5	208.7	184.8	166.9	155.0	143.1	137.1	134.1	131.2	131.2
32.5°	220.6	187.8	166.9	152.0	140.1	131.2	125.2	119.2	119.2	119.2
35°	199.7	169.9	152.0	137.1	125.2	116.3	113.3	110.3	107.3	107.3
37.5°	181.8	155.0	137.1	125.2	116.3	107.3	101.4	98.4	98.4	98.4
40°	164.0	143.1	125.2	113.3	104.3	98.4	92.4	89.4	89.4	89.4
42.5°	149.0	128.2	116.3	104.3	95.4	89.4	86.4	83.5	80.5	80.5
45°	137.1	119.2	104.3	95.4	89.4	83.5	77.5	74.5	74.5	74.5
47.5°	122.2	110.3	95.4	86.4	80.5	74.5	71.5	68.6	68.6	68.6
50°	113.3	101.4	89.4	80.5	74.5	68.6	65.6	62.6	62.6	62.6
52.5°	101.4	92.4	83.5	74.5	68.6	62.6	59.6	56.6	56.6	56.6
55°	92.4	83.5	74.5	68.6	62.6	56.6	53.7	50.7	50.7	50.7
57.5°	83.5	74.5	68.6	62.6	56.6	53.7	47.7	47.7	44.7	44.7
60°	74.5	65.6	59.6	56.6	50.7	47.7	41.7	38.8	38.8	38.8
62.5°	62.6	59.6	53.7	47.7	41.7	38.8	35.8	32.8	32.8	32.8
65°	53.7	50.7	44.7	38.8	35.8	32.8	29.8	26.8	26.8	26.8
67.5°	44.7	38.8	35.8	32.8	29.8	26.8	23.8	20.9	17.9	20.9
70°	32.8	29.8	26.8	23.8	20.9	17.9	14.9	14.9	11.9	11.9
72.5°	20.9	17.9	17.9	14.9	11.9	11.9	8.9	8.9	6.0	6.0
75°	11.9	11.9	8.9	8.9	6.0	6.0	3.0	3.0	3.0	3.0
77.5°	6.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)