

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: P1334970

Luminaire Tested: P3A02R309030D2WDE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309030D2WDE010 E3A301H
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

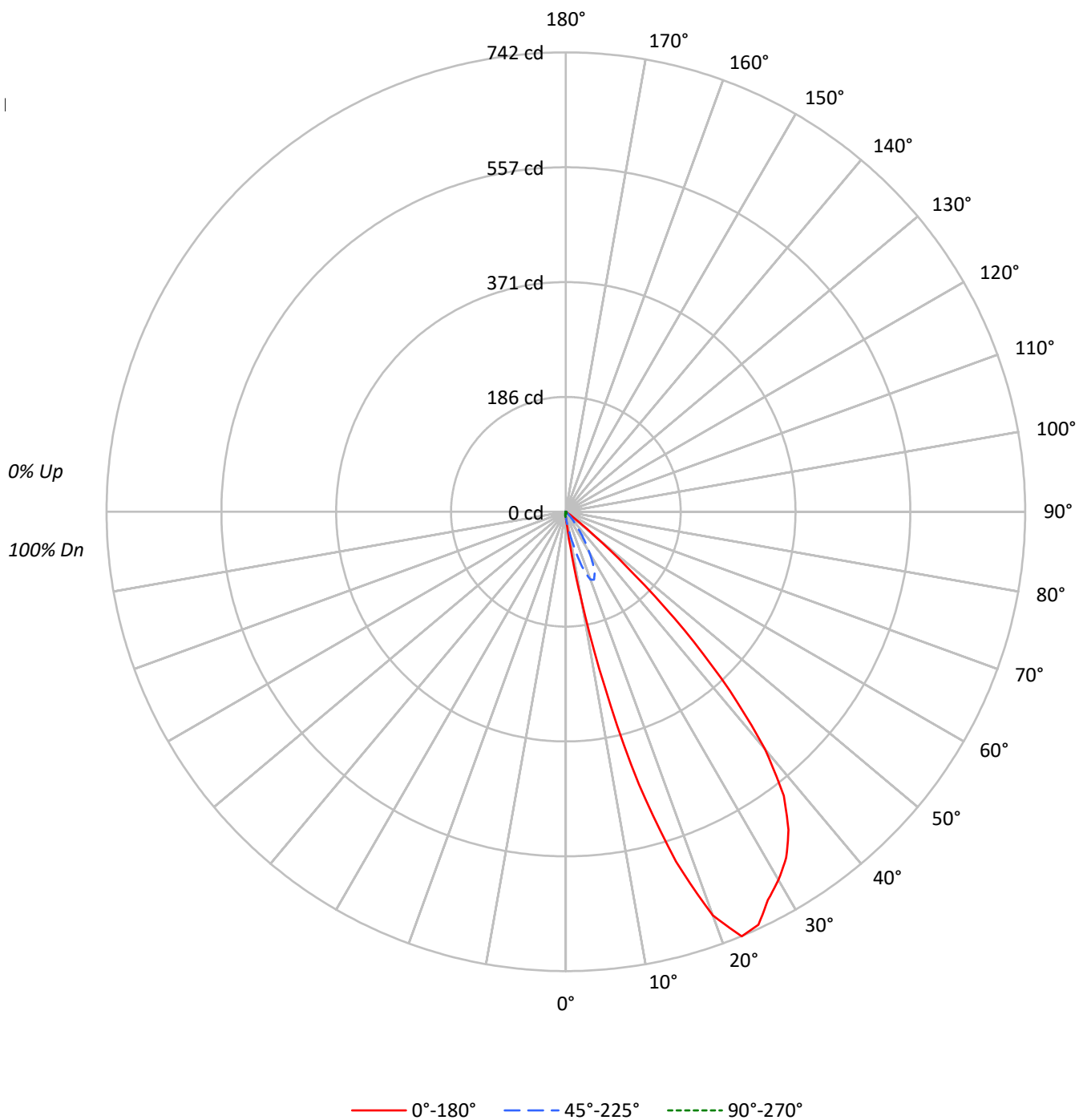
Lumens per Lamp: N/A
Luminaire Lumens: 175.0 lumens
Efficiency: N/A
Efficacy: 24.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

TEST NUMBER: P1334970

CATALOG NUMBER: P3A02R309030D2WDE010 E3A301H

Luminous Intensity Polar Plot



TEST NUMBER: P1334970

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	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
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1820	1820	1820	1820	1820
5°	5481	3654	1717	770	638
10°	31796	7771	1358	356	245
15°	103429	17616	953	68	45
20°	161831	27232	607	0	0
25°	178051	26614	315	0	0
30°	173900	19193	127	0	0
35°	167843	10922	54	0	0
40°	143125	4637	0	0	0
45°	84009	1737	62	0	62
50°	20400	341	68	68	171
55°	1759	0	115	191	229
60°	88	0	132	219	351
65°	104	104	259	259	415
70°	128	128	321	321	385
75°	0	169	424	424	424
80°	0	253	631	379	379
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 84009 cd/sqm

TEST NUMBER: P1334970

CATALOG NUMBER: P3A02R309030D2WDE010 E3A301H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.9
10°-20°	24.1	13.7
20°-30°	61.1	34.9
30°-40°	60.9	34.8
40°-50°	24.7	14.1
50°-60°	1.7	1.0
60°-70°	0.4	0.2
70°-80°	0.4	0.2
80°-90°	0.2	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°	86.7	49.5
0°-40°	147.6	84.3
0°-60°	174.0	99.4
0°-90°	175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	175.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	25	17	8	4	3	6
15°	456	78	4	0	0	133
25°	736	110	1	0	0	332
35°	627	41	0	0	0	384
45°	271	6	0	0	0	207
55°	5	0	0	0	1	12
65°	0	0	0	0	1	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1334970

CATALOG NUMBER: P3A02R309030D2WDE010 E3A301H

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
2.5°	13.8	13.9	13.9	13.6	13.4	13.4	13.0	12.8	12.3	11.8	10.2
5°	24.9	24.5	23.8	23.8	22.4	21.6	20.5	19.2	18.2	16.6	11.8
7.5°	56.6	52.8	51.7	50.2	44.8	40.5	35.5	31.2	27.2	23.8	13.1
10°	142.8	135.3	129.0	116.4	100.6	85.4	71.3	55.0	43.8	34.9	14.1
12.5°	287.7	277.6	265.6	242.6	213.0	175.1	141.5	105.7	74.2	51.3	14.4
15°	455.6	438.5	419.8	390.5	342.0	287.7	227.1	170.0	119.1	77.6	14.1
17.5°	592.5	585.8	558.1	518.1	458.8	388.7	314.1	236.0	160.7	101.5	13.1
20°	693.5	688.9	655.5	612.9	546.1	465.8	371.0	277.3	189.7	116.7	11.7
22.5°	742.3	741.5	717.4	673.9	603.0	512.0	407.6	301.1	198.6	118.8	9.8
25°	735.9	738.8	725.0	692.7	624.8	531.1	418.5	301.1	192.1	110.0	8.2
27.5°	706.8	708.7	700.1	675.3	612.0	517.3	403.3	281.8	173.0	94.5	6.7
30°	686.8	687.6	676.9	650.4	583.2	486.0	367.5	245.9	144.2	75.8	5.0
32.5°	662.5	662.3	649.9	619.5	545.5	442.0	322.1	203.2	110.8	57.6	2.9
35°	627.0	623.0	606.1	571.0	489.2	382.8	264.0	154.8	79.8	40.8	1.8
37.5°	578.2	567.8	543.9	497.0	410.2	300.2	195.7	108.7	54.5	27.0	1.1
40°	500.0	489.0	456.4	399.5	310.2	216.0	131.9	70.8	34.4	16.2	0.6
42.5°	392.1	384.6	340.6	283.8	204.8	137.8	79.3	41.9	19.3	9.3	0.2
45°	270.9	261.1	226.6	178.5	123.0	76.4	44.5	21.9	11.0	5.6	0.0
47.5°	149.5	137.5	117.5	92.4	61.9	40.1	22.4	11.8	6.2	2.7	0.0
50°	59.8	59.3	47.2	33.6	23.7	18.2	11.2	6.4	3.2	1.0	0.2
52.5°	20.9	20.9	18.1	14.7	11.5	8.3	5.6	3.0	1.1	0.3	0.2
55°	4.6	5.1	4.8	4.5	4.3	3.7	2.4	1.1	0.3	0.0	0.2
57.5°	0.5	0.5	0.5	0.6	0.8	0.8	0.6	0.3	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.3
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
75°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1334970

CATALOG NUMBER: P3A02R309030D2WDE010 E3A301H

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	8.3	8.3	8.3	8.3	8.3
2.5°	8.3	6.6	5.4	4.8	4.6
5°	7.8	5.0	3.5	3.0	2.9
7.5°	7.0	3.7	2.4	1.9	1.8
10°	6.1	2.7	1.6	1.1	1.1
12.5°	5.1	2.1	1.0	0.5	0.3
15°	4.2	1.3	0.3	0.2	0.2
17.5°	3.2	0.8	0.0	0.0	0.0
20°	2.6	0.3	0.0	0.0	0.0
22.5°	1.9	0.2	0.0	0.0	0.0
25°	1.3	0.0	0.0	0.0	0.0
27.5°	0.8	0.0	0.0	0.0	0.0
30°	0.5	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.3	0.3
50°	0.2	0.2	0.2	0.3	0.5
52.5°	0.3	0.2	0.3	0.5	0.5
55°	0.3	0.3	0.5	0.6	0.6
57.5°	0.3	0.3	0.5	0.6	0.6
60°	0.3	0.3	0.5	0.6	0.8
62.5°	0.5	0.5	0.5	0.6	0.6
65°	0.5	0.5	0.5	0.6	0.8
67.5°	0.5	0.5	0.5	0.6	0.8
70°	0.5	0.5	0.5	0.6	0.6
72.5°	0.6	0.5	0.5	0.6	0.6
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.3	0.5	0.5
80°	0.5	0.3	0.3	0.3	0.3
82.5°	0.5	0.3	0.3	0.3	0.3
85°	0.5	0.3	0.2	0.2	0.2
87.5°	0.5	0.3	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)