

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: P1334705

Luminaire Tested: P3A02R259050DE010 E3A301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R259050DE010 E3A301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3A301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

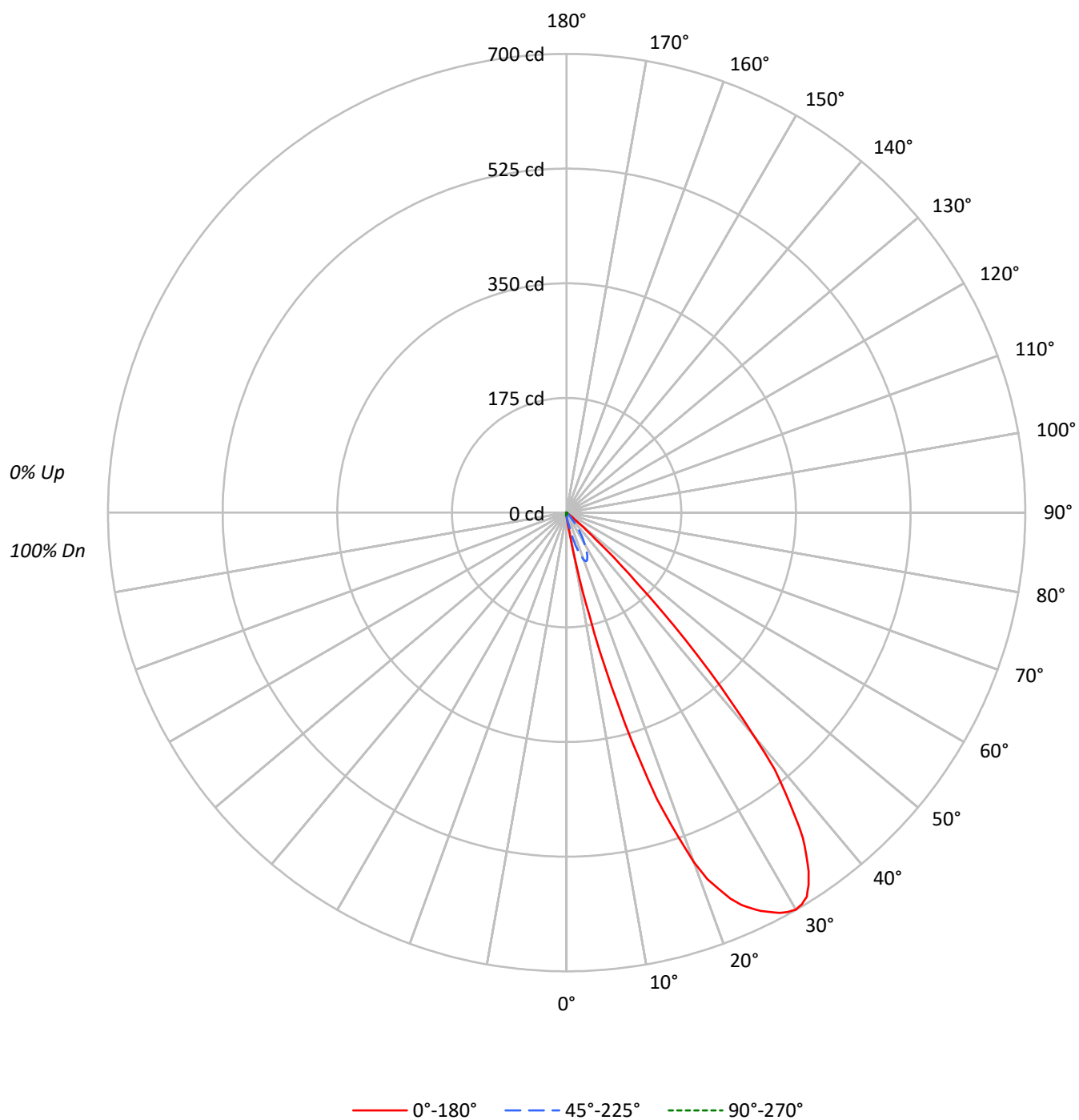
Lumens per Lamp: N/A
Luminaire Lumens: 140.0 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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
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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1316	1316	1316	1316	1316
5°	3302	2443	1233	638	484
10°	14451	4164	1024	289	200
15°	68740	11215	704	114	91
20°	132312	17945	467	23	23
25°	161138	18098	242	0	0
30°	177166	13850	101	0	0
35°	170734	8807	27	0	0
40°	127582	3807	0	0	29
45°	47230	1023	31	31	124
50°	5561	136	102	102	171
55°	535	0	115	153	268
60°	44	0	175	219	307
65°	52	52	259	363	415
70°	64	64	321	321	513
75°	85	85	339	339	424
80°	0	126	505	379	505
85°	0	252	1006	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47230 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.6
10°-20°	16.3	11.7
20°-30°	51.2	36.6
30°-40°	53.9	38.5
40°-50°	15.8	11.3
50°-60°	0.9	0.6
60°-70°	0.4	0.3
70°-80°	0.4	0.3
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°	68.4	48.9
0°-40°	122.4	87.4
0°-60°	139.1	99.3
0°-90°	140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	140.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	15	11	6	3	2	3
15°	303	49	3	0	0	95
25°	666	75	1	0	0	305
35°	638	33	0	0	0	385
45°	152	3	0	0	0	138
55°	1	0	0	0	1	4
65°	0	0	0	1	1	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	9.3	9.4	9.0	9.3	9.0	8.9	8.8	8.1	7.1	6.0	5.0
5°	15.0	15.0	14.4	14.2	14.0	13.5	12.9	11.1	8.0	5.6	3.9
7.5°	23.5	23.4	23.1	22.5	21.2	19.9	18.5	14.5	8.8	5.2	3.0
10°	64.9	64.0	62.8	55.8	47.8	40.8	34.6	18.7	9.4	4.6	2.2
12.5°	161.3	156.1	143.7	129.6	111.6	92.6	74.1	30.4	9.7	3.8	1.6
15°	302.8	291.9	272.6	244.4	207.6	166.2	130.9	49.4	9.4	3.1	1.2
17.5°	457.2	446.7	419.9	377.1	322.9	259.3	196.8	65.4	8.8	2.6	0.8
20°	567.0	555.9	530.8	485.4	426.7	342.0	259.2	76.9	8.2	2.0	0.4
21°	599.2	588.1	561.5	517.7	456.0	371.0	279.1	78.9	7.8	1.7	0.3
22°	619.5	613.0	584.5	541.9	479.1	394.2	296.3	79.8	7.6	1.6	0.3
23°	640.0	630.3	603.6	558.7	496.8	411.5	308.9	79.2	7.3	1.3	0.1
24°	655.2	647.0	616.0	571.6	509.0	422.0	316.4	77.5	6.9	1.2	0.1
25°	666.0	658.5	626.2	580.4	517.3	427.8	318.7	74.8	6.5	1.0	0.1
26°	676.4	668.1	634.7	585.4	521.6	429.6	316.5	72.0	6.1	0.9	0.0
27°	683.8	675.4	640.6	588.5	521.8	427.4	310.5	68.1	5.7	0.8	0.0
28°	691.8	682.1	644.6	590.1	520.3	422.2	301.9	63.9	5.5	0.7	0.0
29°	696.6	687.5	648.8	592.0	517.0	413.4	289.3	58.9	4.8	0.4	0.0
30°	699.7	688.9	648.4	590.0	512.7	404.0	274.3	54.7	4.2	0.4	0.0
31°	697.1	685.8	644.2	584.5	505.8	391.7	258.9	49.5	3.4	0.3	0.0
32°	691.5	678.1	636.9	575.0	493.4	375.9	243.0	45.2	2.5	0.3	0.0
33°	677.8	666.4	623.7	562.2	477.2	354.5	222.2	41.0	1.7	0.1	0.0
34°	660.6	649.2	605.7	545.1	455.5	326.8	197.0	36.7	1.4	0.1	0.0
35°	637.8	626.6	585.3	521.2	426.7	293.5	171.0	32.9	1.2	0.1	0.0
36°	613.9	599.0	559.6	495.7	388.2	255.6	143.2	28.6	0.9	0.1	0.0
37°	578.8	568.7	525.0	456.9	346.5	219.3	122.9	24.7	0.7	0.1	0.0
38°	542.3	533.1	490.4	417.9	300.0	183.4	102.9	20.9	0.5	0.0	0.0
39°	504.7	489.3	447.1	367.8	251.3	153.6	86.6	17.5	0.3	0.0	0.0
40°	445.7	433.9	388.9	307.7	207.9	124.5	73.8	13.3	0.3	0.0	0.0
42.5°	295.5	284.5	237.2	166.9	110.5	72.8	48.7	5.2	0.0	0.1	0.0
45°	152.3	145.4	118.1	87.4	62.7	44.7	31.3	3.3	0.0	0.1	0.1
47.5°	60.5	59.3	53.6	46.2	35.7	26.5	17.1	1.4	0.0	0.1	0.1
50°	16.3	16.5	15.4	14.2	12.9	12.1	7.2	0.4	0.0	0.3	0.1
52.5°	6.9	7.1	6.8	6.4	5.7	4.3	2.9	0.1	0.1	0.3	0.3
55°	1.4	1.6	1.7	1.8	2.1	1.8	1.2	0.0	0.1	0.3	0.3
57.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.0	0.1	0.3	0.4
60°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.3	0.4	0.4
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.5
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.5	0.5
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.5	0.5
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.5	0.5
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.5	0.4
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.4	0.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	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

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	6.0	6.0	6.0
2.5°	4.2	3.8	3.7
5°	2.9	2.5	2.2
7.5°	2.0	1.6	1.4
10°	1.3	1.0	0.9
12.5°	0.9	0.5	0.5
15°	0.5	0.4	0.4
17.5°	0.3	0.1	0.1
20°	0.1	0.1	0.1
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.1
39°	0.0	0.1	0.1
40°	0.0	0.1	0.1
42.5°	0.0	0.1	0.3
45°	0.1	0.3	0.4
47.5°	0.3	0.4	0.5
50°	0.3	0.5	0.5
52.5°	0.4	0.5	0.7
55°	0.4	0.7	0.7
57.5°	0.5	0.7	0.8
60°	0.5	0.7	0.7
62.5°	0.5	0.8	0.8
65°	0.7	0.8	0.8
67.5°	0.7	0.8	0.8
70°	0.5	0.7	0.8
72.5°	0.5	0.7	0.7
75°	0.4	0.5	0.5
77.5°	0.4	0.4	0.5
80°	0.3	0.4	0.4

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.3	0.3	0.3
85°	0.1	0.1	0.1
87.5°	0.1	0.1	0.1
90°	0.0	0.0	0.0

(END OF REPORT)