

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: P1334693

Luminaire Tested: P3A02R259040DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334693
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: P3A02R259040DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

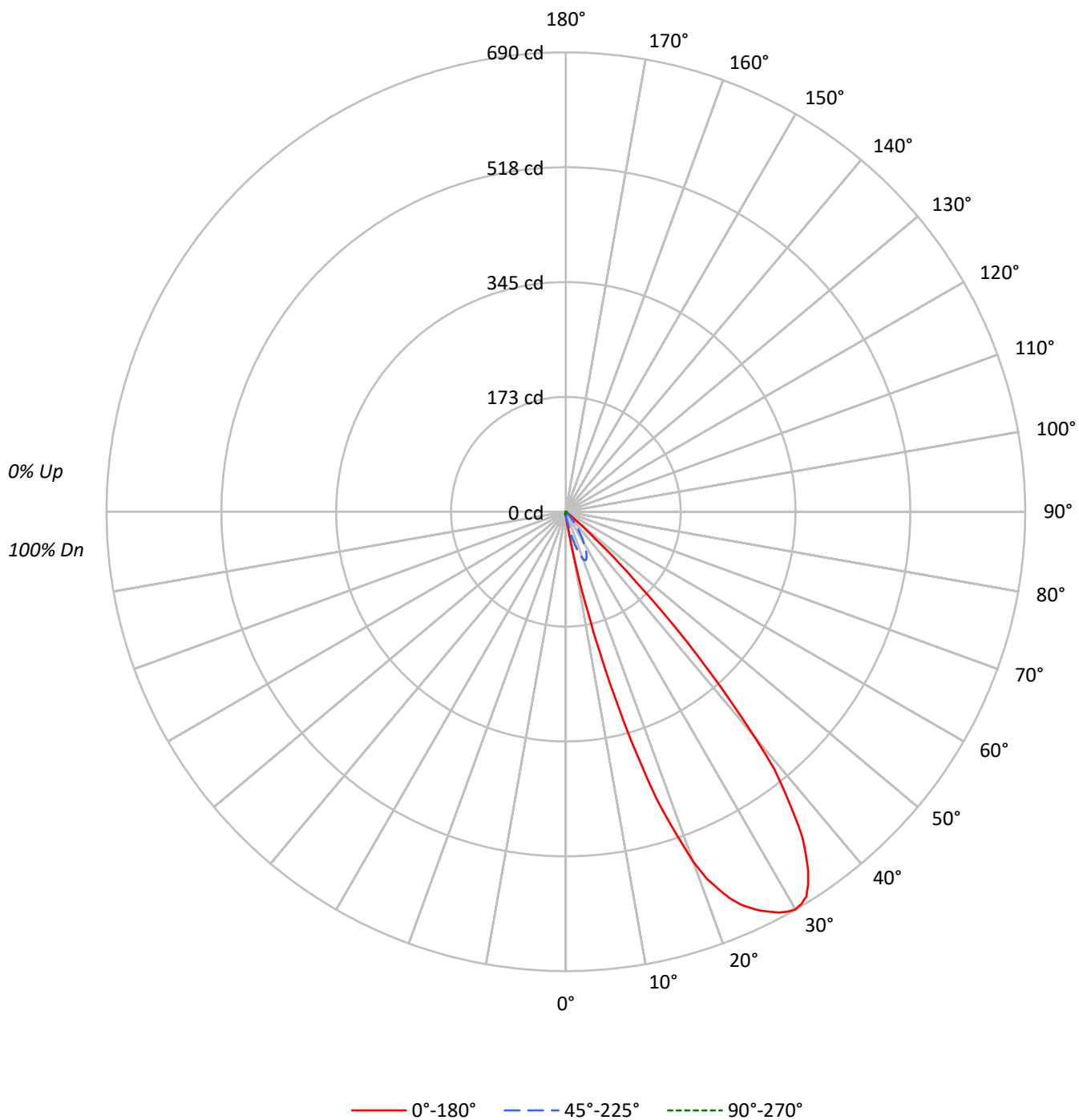
Lumens per Lamp: N/A
Luminaire Lumens: 138.0 lumens
Efficiency: N/A
Efficacy: 38.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	1294	1294	1294	1294	1294
5°	3258	2399	1211	616	484
10°	14250	4097	1002	289	200
15°	67764	11056	704	114	91
20°	130421	17688	443	23	23
25°	158840	17856	242	0	0
30°	174634	13648	101	0	0
35°	168298	8673	27	0	0
40°	125750	3750	0	0	29
45°	46547	992	31	31	124
50°	5492	136	102	102	171
55°	535	0	115	153	229
60°	44	0	175	219	263
65°	52	52	259	311	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: 46547 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.6
10°-20°	16.1	11.7
20°-30°	50.5	36.6
30°-40°	53.2	38.5
40°-50°	15.6	11.3
50°-60°	0.8	0.6
60°-70°	0.4	0.3
70°-80°	0.3	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°	67.4	48.9
0°-40°	120.6	87.4
0°-60°	137.1	99.3
0°-90°	138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	138.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	15	11	6	3	2	3
15°	298	49	3	0	0	94
25°	656	74	1	0	0	301
35°	629	32	0	0	0	379
45°	150	3	0	0	0	136
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°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2.5°	9.1	9.3	8.9	9.1	8.9	8.8	8.6	8.0	7.0	5.9	4.9
5°	14.8	14.8	14.2	14.0	13.8	13.3	12.7	10.9	7.9	5.5	3.9
7.5°	23.2	23.0	22.8	22.1	20.9	19.6	18.3	14.3	8.6	5.2	3.0
10°	64.0	63.1	61.9	55.0	47.1	40.2	34.1	18.4	9.3	4.5	2.2
12.5°	159.0	153.9	141.6	127.7	110.0	91.3	73.0	30.0	9.5	3.7	1.5
15°	298.5	287.8	268.7	240.9	204.6	163.8	129.0	48.7	9.3	3.1	1.2
17.5°	450.6	440.3	413.9	371.7	318.3	255.6	194.0	64.5	8.6	2.6	0.8
20°	558.9	548.0	523.3	478.5	420.6	337.1	255.5	75.8	8.1	1.9	0.4
21°	590.6	579.7	553.5	510.3	449.5	365.7	275.2	77.8	7.7	1.7	0.3
22°	610.7	604.3	576.2	534.2	472.3	388.6	292.0	78.7	7.5	1.5	0.3
23°	630.9	621.2	595.0	550.7	489.7	405.6	304.5	78.0	7.2	1.3	0.1
24°	645.8	637.7	607.2	563.4	501.8	416.0	311.8	76.4	6.8	1.2	0.1
25°	656.5	649.1	617.3	572.1	509.9	421.7	314.2	73.8	6.4	1.0	0.1
26°	666.7	658.6	625.6	577.1	514.1	423.5	312.0	70.9	6.1	0.9	0.0
27°	674.0	665.8	631.4	580.0	514.4	421.3	306.1	67.1	5.7	0.8	0.0
28°	681.9	672.4	635.4	581.7	512.8	416.1	297.6	63.0	5.4	0.6	0.0
29°	686.7	677.6	639.5	583.5	509.6	407.5	285.2	58.1	4.8	0.4	0.0
30°	689.7	679.1	639.1	581.6	505.4	398.2	270.4	53.9	4.1	0.4	0.0
31°	687.2	676.0	635.0	576.2	498.5	386.1	255.2	48.8	3.3	0.3	0.0
32°	681.6	668.4	627.8	566.8	486.3	370.6	239.5	44.5	2.4	0.3	0.0
33°	668.1	656.9	614.8	554.2	470.3	349.4	219.0	40.4	1.7	0.1	0.0
34°	651.1	639.9	597.0	537.3	449.0	322.1	194.2	36.2	1.4	0.1	0.0
35°	628.7	617.6	577.0	513.7	420.6	289.3	168.5	32.4	1.2	0.1	0.0
36°	605.2	590.5	551.6	488.6	382.7	252.0	141.1	28.2	0.9	0.1	0.0
37°	570.5	560.6	517.5	450.4	341.6	216.2	121.2	24.3	0.6	0.1	0.0
38°	534.6	525.5	483.3	411.9	295.8	180.8	101.5	20.6	0.5	0.0	0.0
39°	497.5	482.3	440.7	362.6	247.7	151.4	85.4	17.3	0.3	0.0	0.0
40°	439.3	427.7	383.3	303.3	205.0	122.7	72.7	13.1	0.3	0.0	0.0
42.5°	291.2	280.4	233.8	164.5	108.9	71.7	48.0	5.2	0.0	0.1	0.0
45°	150.1	143.3	116.4	86.1	61.8	44.0	30.9	3.2	0.0	0.1	0.1
47.5°	59.6	58.5	52.8	45.6	35.2	26.1	16.9	1.4	0.0	0.1	0.1
50°	16.1	16.2	15.2	14.0	12.7	12.0	7.1	0.4	0.0	0.3	0.1
52.5°	6.8	7.0	6.7	6.3	5.7	4.2	2.8	0.1	0.1	0.3	0.3
55°	1.4	1.5	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°	5.9	5.9	5.9
2.5°	4.1	3.7	3.6
5°	2.8	2.4	2.2
7.5°	1.9	1.5	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	0.6
55°	0.4	0.6	0.6
57.5°	0.5	0.6	0.8
60°	0.5	0.6	0.6
62.5°	0.5	0.8	0.8
65°	0.6	0.8	0.8
67.5°	0.6	0.8	0.8
70°	0.5	0.6	0.8
72.5°	0.5	0.6	0.6
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)