

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: P1334679

Luminaire Tested: P3A02R259035DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334679
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: P3A02R259035DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

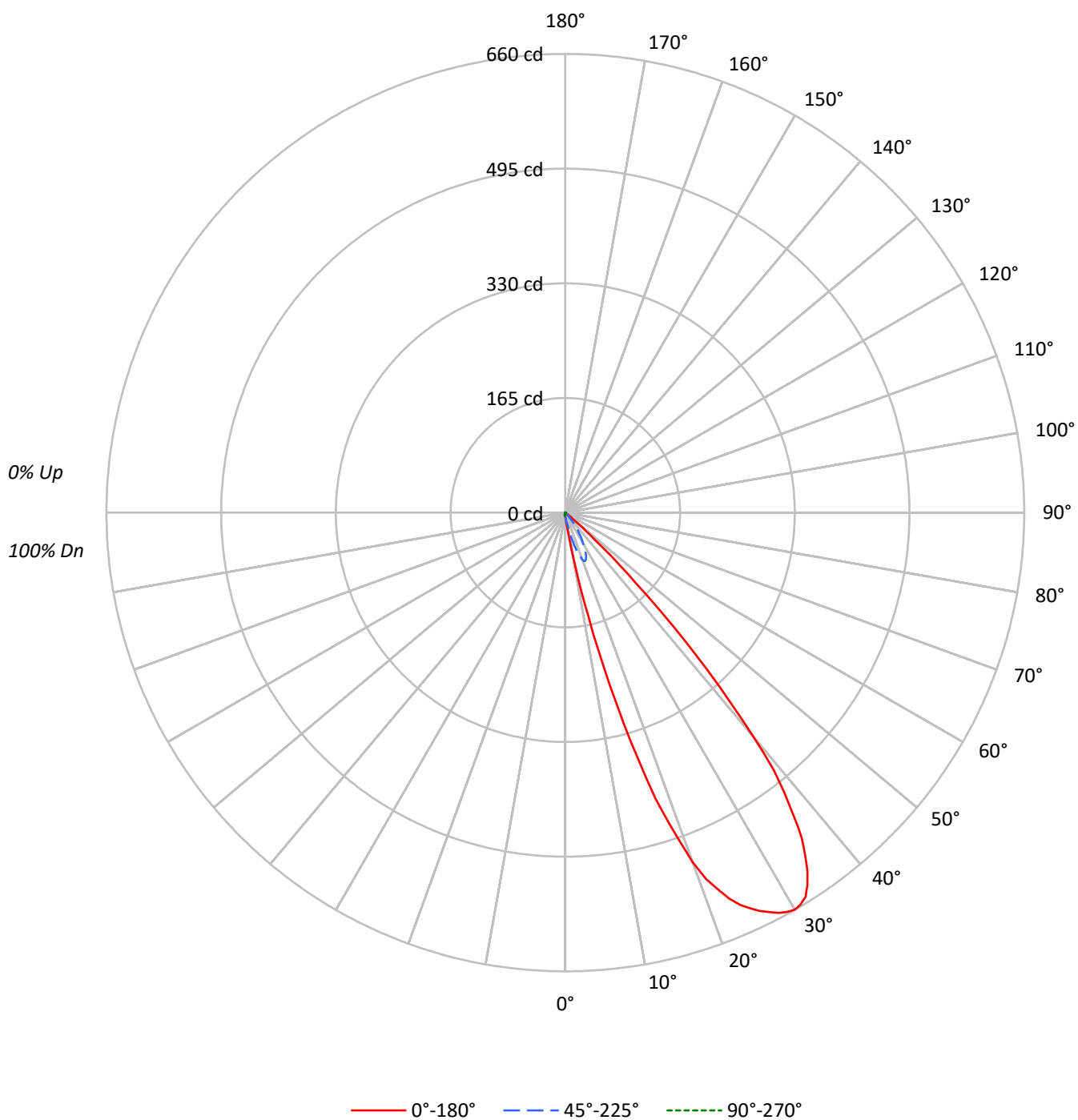
Lumens per Lamp: N/A
Luminaire Lumens: 132.0 lumens
Efficiency: N/A
Efficacy: 36.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	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	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	92	104	98	94	91	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65	61	57	55
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60	55	52	50
8	71	60	52	48	70	59	52	47	58	52	47		57	51	47		56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1250	1250	1250	1250	1250
5°	3126	2311	1167	594	462
10°	13627	3919	957	267	200
15°	64813	10579	681	114	91
20°	124751	16918	420	23	23
25°	151944	17082	242	0	0
30°	167064	13065	101	0	0
35°	160990	8298	27	0	0
40°	120282	3607	0	0	29
45°	44532	961	31	31	124
50°	5254	136	68	68	171
55°	535	0	76	153	229
60°	44	0	175	219	263
65°	52	52	259	311	363
70°	64	64	321	321	449
75°	85	85	339	339	424
80°	0	126	505	253	505
85°	0	252	1006	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44532 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.6
10°-20°	15.4	11.7
20°-30°	48.3	36.6
30°-40°	50.8	38.5
40°-50°	14.9	11.3
50°-60°	0.8	0.6
60°-70°	0.4	0.3
70°-80°	0.3	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°	64.5	48.9
0°-40°	115.4	87.4
0°-60°	131.1	99.3
0°-90°	132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	132.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	14	10	5	3	2	3
15°	286	47	3	0	0	90
25°	628	71	1	0	0	288
35°	601	31	0	0	0	363
45°	144	3	0	0	0	130
55°	1	0	0	0	1	3
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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	8.7	8.9	8.5	8.7	8.5	8.4	8.3	7.6	6.7	5.7	4.7
5°	14.2	14.2	13.5	13.4	13.2	12.7	12.2	10.5	7.5	5.3	3.7
7.5°	22.2	22.0	21.8	21.2	20.0	18.7	17.5	13.7	8.3	4.9	2.8
10°	61.2	60.3	59.2	52.6	45.1	38.4	32.6	17.6	8.9	4.3	2.1
12.5°	152.1	147.2	135.5	122.2	105.2	87.3	69.8	28.7	9.1	3.6	1.5
15°	285.5	275.3	257.0	230.4	195.7	156.7	123.4	46.6	8.9	3.0	1.1
17.5°	431.1	421.2	396.0	355.6	304.4	244.5	185.6	61.7	8.3	2.5	0.7
20°	534.6	524.2	500.5	457.7	402.4	322.4	244.3	72.5	7.8	1.8	0.4
21°	564.9	554.5	529.5	488.1	429.9	349.8	263.2	74.4	7.4	1.6	0.2
22°	584.1	578.0	551.1	511.0	451.7	371.7	279.3	75.2	7.1	1.5	0.2
23°	603.5	594.2	569.1	526.7	468.4	387.9	291.3	74.6	6.9	1.2	0.1
24°	617.8	610.0	580.8	538.9	479.9	397.9	298.3	73.0	6.5	1.1	0.1
25°	628.0	620.8	590.4	547.2	487.7	403.3	300.5	70.6	6.2	1.0	0.1
26°	637.7	630.0	598.4	552.0	491.8	405.1	298.4	67.9	5.8	0.9	0.0
27°	644.7	636.8	604.0	554.8	492.0	403.0	292.7	64.2	5.4	0.7	0.0
28°	652.2	643.1	607.8	556.4	490.5	398.0	284.6	60.2	5.2	0.6	0.0
29°	656.8	648.2	611.7	558.2	487.5	389.8	272.8	55.5	4.6	0.4	0.0
30°	659.8	649.5	611.4	556.3	483.4	380.9	258.6	51.6	3.9	0.4	0.0
31°	657.3	646.6	607.4	551.1	476.9	369.3	244.1	46.7	3.2	0.2	0.0
32°	652.0	639.3	600.5	542.1	465.2	354.4	229.1	42.6	2.3	0.2	0.0
33°	639.1	628.4	588.1	530.1	449.9	334.2	209.5	38.7	1.6	0.1	0.0
34°	622.8	612.1	571.1	513.9	429.5	308.1	185.7	34.6	1.4	0.1	0.0
35°	601.4	590.8	551.9	491.4	402.4	276.7	161.2	31.0	1.1	0.1	0.0
36°	578.8	564.8	527.6	467.4	366.0	241.0	135.0	27.0	0.9	0.1	0.0
37°	545.7	536.2	495.0	430.8	326.7	206.8	115.9	23.3	0.6	0.1	0.0
38°	511.4	502.6	462.3	394.0	282.9	172.9	97.0	19.7	0.5	0.0	0.0
39°	475.9	461.3	421.6	346.8	237.0	144.8	81.7	16.5	0.2	0.0	0.0
40°	420.2	409.1	366.6	290.2	196.1	117.4	69.6	12.6	0.2	0.0	0.0
42.5°	278.6	268.2	223.7	157.4	104.2	68.6	45.9	4.9	0.0	0.1	0.0
45°	143.6	137.1	111.3	82.4	59.1	42.1	29.6	3.1	0.0	0.1	0.1
47.5°	57.0	55.9	50.5	43.6	33.6	25.0	16.1	1.4	0.0	0.1	0.1
50°	15.4	15.5	14.5	13.4	12.2	11.5	6.8	0.4	0.0	0.2	0.1
52.5°	6.5	6.7	6.4	6.0	5.4	4.1	2.7	0.1	0.1	0.2	0.2
55°	1.4	1.5	1.6	1.7	2.0	1.7	1.1	0.0	0.1	0.2	0.2
57.5°	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.0	0.1	0.2	0.4
60°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.4	0.4
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.5
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	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	0.2	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.4	0.2



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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	0.2	0.4	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.2
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°	5.7	5.7	5.7
2.5°	3.9	3.6	3.4
5°	2.7	2.3	2.1
7.5°	1.8	1.5	1.4
10°	1.2	1.0	0.9
12.5°	0.9	0.5	0.5
15°	0.5	0.4	0.4
17.5°	0.2	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	0.2
45°	0.1	0.2	0.4
47.5°	0.2	0.4	0.5
50°	0.2	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	0.7
60°	0.5	0.6	0.6
62.5°	0.5	0.7	0.7
65°	0.6	0.7	0.7
67.5°	0.6	0.7	0.7
70°	0.5	0.6	0.7
72.5°	0.5	0.6	0.6
75°	0.4	0.5	0.5
77.5°	0.4	0.4	0.5
80°	0.2	0.4	0.4

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.2	0.2	0.2
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)