

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: P1334770

Luminaire Tested: P3A02R259740DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334770
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: P3A02R259740DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

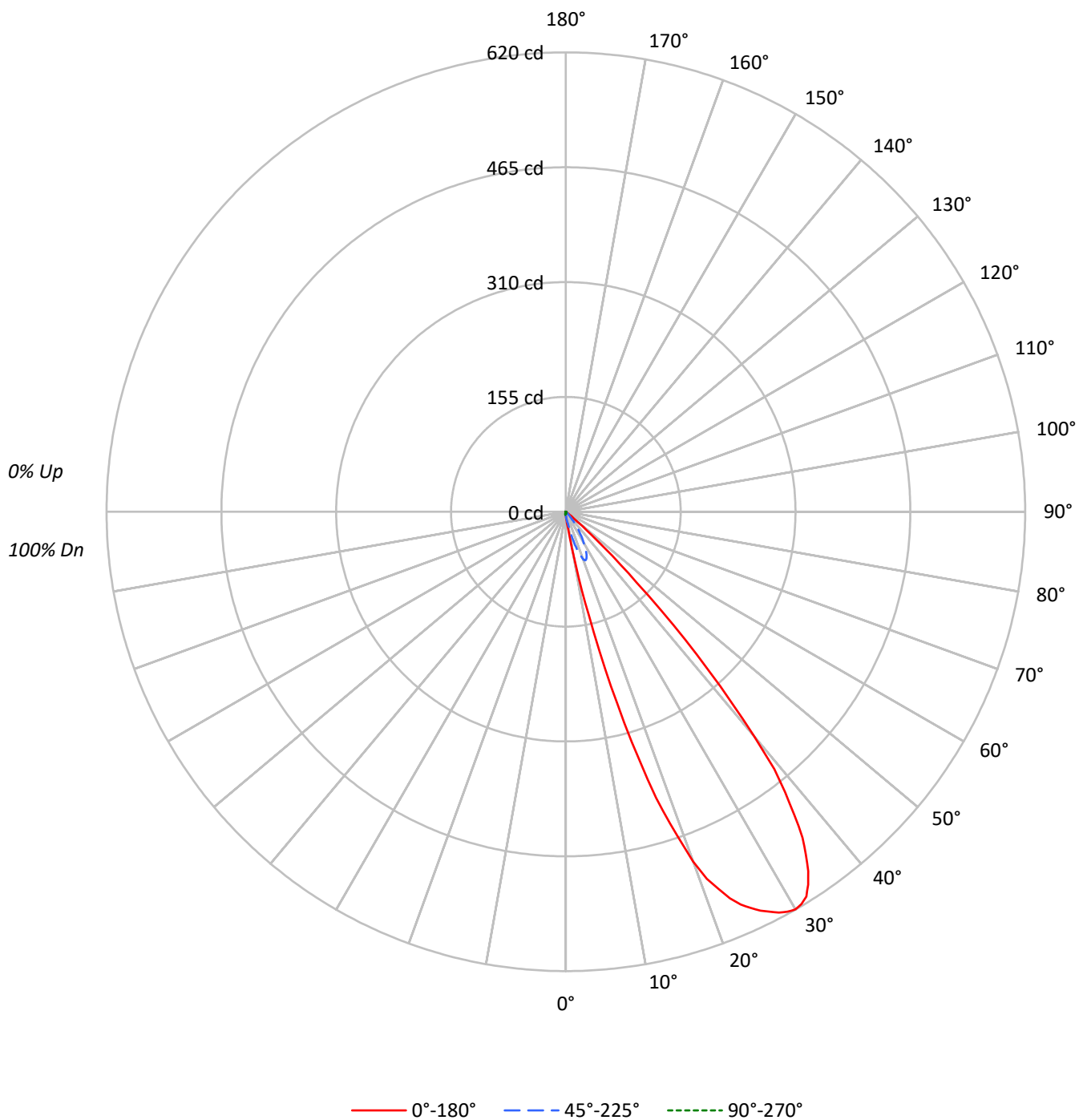
Lumens per Lamp: N/A
Luminaire Lumens: 123.9 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.52 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	98	94	91	95	92	89	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	61	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°	1162	1162	1162	1162	1162
5°	2928	2157	1101	550	440
10°	12803	3674	891	267	178
15°	60886	9921	636	114	68
20°	117190	15891	397	23	23
25°	142726	16041	218	0	0
30°	156936	12280	76	0	0
35°	151219	7817	27	0	0
40°	112983	3378	0	0	29
45°	41834	899	31	31	93
50°	4947	102	68	68	171
55°	497	0	76	115	229
60°	44	0	132	219	263
65°	52	52	259	311	363
70°	64	64	321	321	449
75°	85	85	254	254	424
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41834 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.6
10°-20°	14.5	11.7
20°-30°	45.4	36.6
30°-40°	47.8	38.5
40°-50°	14.0	11.3
50°-60°	0.7	0.6
60°-70°	0.4	0.3
70°-80°	0.3	0.2
80°-90°	0.1	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°	60.6	48.9
0°-40°	108.4	87.4
0°-60°	123.1	99.4
0°-90°	123.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	123.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	13	10	5	2	2	2
15°	268	44	3	0	0	85
25°	590	66	1	0	0	271
35°	565	29	0	0	0	341
45°	135	3	0	0	0	123
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°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
2.5°	8.2	8.3	8.0	8.2	8.0	7.9	7.8	7.2	6.2	5.3	4.4
5°	13.3	13.3	12.7	12.6	12.4	11.9	11.5	9.8	7.1	5.0	3.5
7.5°	20.8	20.7	20.5	19.9	18.7	17.6	16.4	12.8	7.8	4.6	2.7
10°	57.5	56.7	55.6	49.4	42.3	36.1	30.7	16.5	8.3	4.0	2.0
12.5°	142.9	138.3	127.3	114.8	98.8	82.0	65.6	27.0	8.6	3.4	1.4
15°	268.2	258.6	241.5	216.5	183.8	147.2	115.9	43.7	8.3	2.8	1.0
17.5°	404.9	395.7	372.0	334.0	286.0	229.7	174.4	58.0	7.8	2.3	0.7
20°	502.2	492.4	470.2	429.9	378.0	302.9	229.5	68.1	7.3	1.7	0.3
21°	530.7	520.9	497.4	458.5	403.9	328.6	247.2	69.9	6.9	1.5	0.2
22°	548.7	542.9	517.7	480.0	424.4	349.2	262.4	70.7	6.7	1.4	0.2
23°	566.9	558.2	534.6	494.8	440.0	364.4	273.6	70.1	6.5	1.2	0.1
24°	580.3	573.0	545.6	506.3	450.9	373.8	280.2	68.6	6.1	1.0	0.1
25°	589.9	583.2	554.6	514.0	458.1	378.9	282.3	66.3	5.8	0.9	0.1
26°	599.1	591.8	562.2	518.5	462.0	380.5	280.3	63.7	5.4	0.8	0.0
27°	605.7	598.3	567.4	521.2	462.2	378.5	275.0	60.3	5.1	0.7	0.0
28°	612.7	604.2	570.9	522.7	460.8	373.9	267.4	56.6	4.9	0.6	0.0
29°	617.0	608.9	574.6	524.3	457.9	366.2	256.3	52.2	4.3	0.3	0.0
30°	619.8	610.2	574.3	522.6	454.1	357.8	243.0	48.5	3.7	0.3	0.0
31°	617.5	607.4	570.6	517.7	448.0	347.0	229.3	43.8	3.0	0.2	0.0
32°	612.5	600.6	564.1	509.3	437.0	333.0	215.2	40.0	2.2	0.2	0.0
33°	600.3	590.3	552.4	497.9	422.6	314.0	196.8	36.3	1.5	0.1	0.0
34°	585.1	575.0	536.5	482.8	403.4	289.5	174.5	32.5	1.3	0.1	0.0
35°	564.9	555.0	518.4	461.6	378.0	260.0	151.4	29.2	1.0	0.1	0.0
36°	543.8	530.6	495.6	439.1	343.8	226.4	126.8	25.3	0.8	0.1	0.0
37°	512.6	503.7	465.0	404.7	306.9	194.2	108.9	21.9	0.6	0.1	0.0
38°	480.4	472.1	434.3	370.1	265.7	162.4	91.2	18.5	0.5	0.0	0.0
39°	447.0	433.4	396.0	325.8	222.6	136.1	76.7	15.5	0.2	0.0	0.0
40°	394.7	384.3	344.4	272.6	184.2	110.3	65.4	11.8	0.2	0.0	0.0
42.5°	261.7	252.0	210.1	147.9	97.9	64.4	43.2	4.6	0.0	0.1	0.0
45°	134.9	128.8	104.6	77.4	55.5	39.6	27.8	2.9	0.0	0.1	0.1
47.5°	53.6	52.5	47.4	41.0	31.6	23.5	15.2	1.3	0.0	0.1	0.1
50°	14.5	14.6	13.7	12.6	11.5	10.8	6.4	0.3	0.0	0.2	0.1
52.5°	6.1	6.2	6.0	5.7	5.1	3.8	2.5	0.1	0.1	0.2	0.2
55°	1.3	1.4	1.5	1.6	1.9	1.6	1.0	0.0	0.1	0.2	0.2
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.0	0.1	0.2	0.3
60°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.3
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	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	0.3	0.5	0.5
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.5	0.5
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.5	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	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	0.3	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	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°	5.3	5.3	5.3
2.5°	3.7	3.4	3.2
5°	2.5	2.2	2.0
7.5°	1.7	1.4	1.3
10°	1.2	0.9	0.8
12.5°	0.8	0.5	0.5
15°	0.5	0.3	0.3
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	0.3
47.5°	0.2	0.3	0.5
50°	0.2	0.5	0.5
52.5°	0.3	0.5	0.6
55°	0.3	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°	0.3	0.5	0.5
77.5°	0.3	0.3	0.5
80°	0.2	0.3	0.3

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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)