

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: P1334621

Luminaire Tested: P3A02R259024DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334621
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: P3A02R259024DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

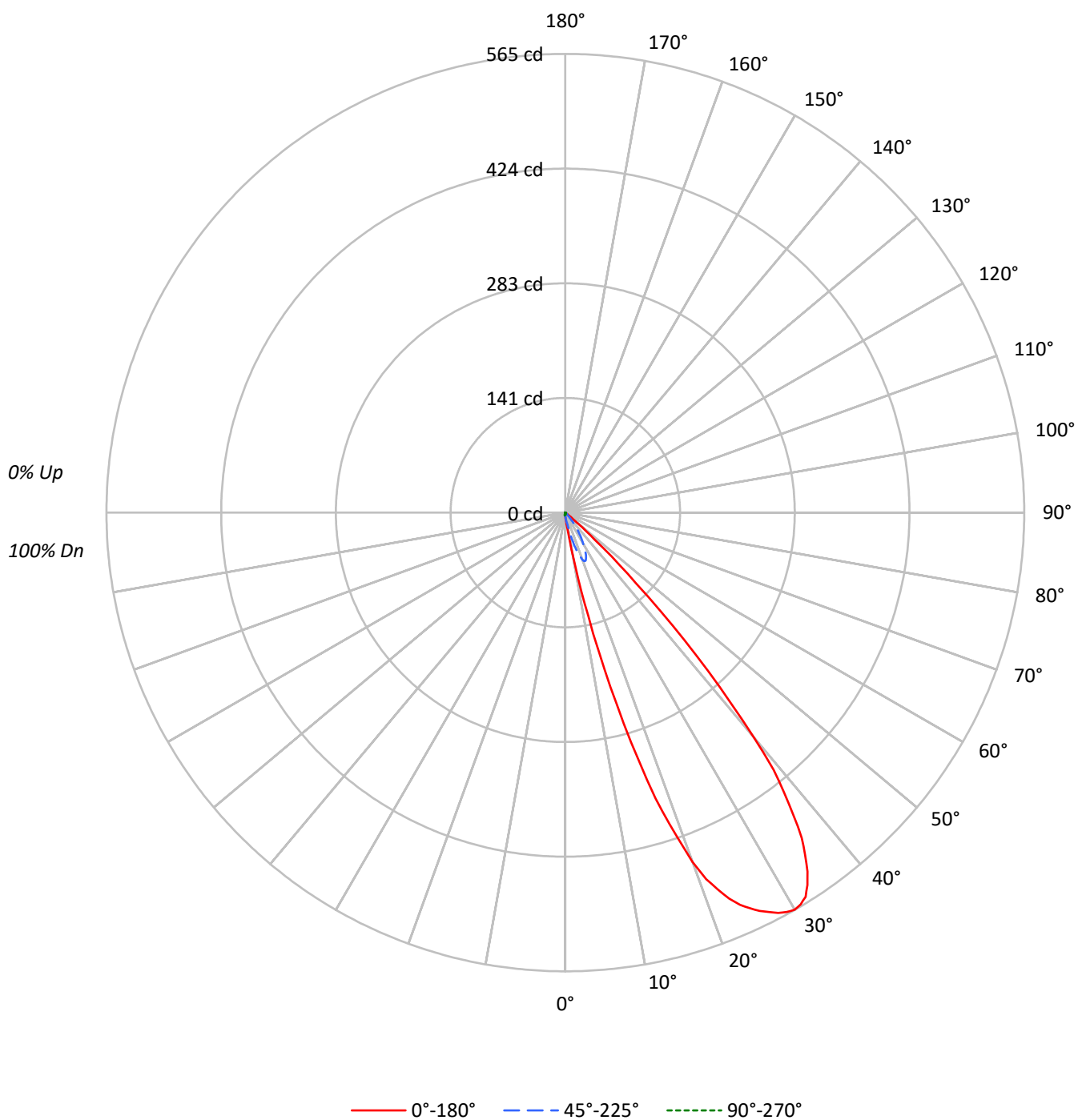
Lumens per Lamp: N/A
Luminaire Lumens: 112.9 lumens
Efficiency: N/A
Efficacy: 31.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	98	94	91	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	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°	1053	1053	1053	1053	1053
5°	2663	1981	991	506	396
10°	11668	3362	824	245	156
15°	55483	9058	568	91	68
20°	106806	14491	373	23	23
25°	130072	14614	194	0	0
30°	143009	11192	76	0	0
35°	137808	7121	27	0	0
40°	102964	3092	0	0	29
45°	38112	806	31	31	93
50°	4503	102	68	68	136
55°	459	0	76	115	191
60°	44	0	132	175	219
65°	52	52	208	259	311
70°	64	64	256	256	385
75°	85	85	254	254	339
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38112 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.6
10°-20°	13.2	11.7
20°-30°	41.3	36.6
30°-40°	43.5	38.5
40°-50°	12.8	11.3
50°-60°	0.7	0.6
60°-70°	0.3	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°	55.2	48.9
0°-40°	98.8	87.4
0°-60°	112.2	99.4
0°-90°	112.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	112.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	12	9	4	2	2	2
15°	244	40	2	0	0	77
25°	538	60	1	0	0	247
35°	515	27	0	0	0	311
45°	123	3	0	0	0	112
55°	1	0	0	0	0	3
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	7.5	7.6	7.3	7.5	7.3	7.2	7.1	6.5	5.7	4.8	4.0
5°	12.1	12.1	11.6	11.5	11.3	10.9	10.4	9.0	6.4	4.5	3.2
7.5°	19.0	18.9	18.7	18.1	17.1	16.0	15.0	11.7	7.1	4.2	2.4
10°	52.4	51.7	50.7	45.0	38.6	32.9	27.9	15.1	7.6	3.7	1.8
12.5°	130.2	126.0	116.0	104.6	90.0	74.8	59.8	24.6	7.8	3.1	1.3
15°	244.4	235.6	220.0	197.3	167.5	134.1	105.6	39.9	7.6	2.5	0.9
17.5°	369.0	360.6	339.0	304.4	260.6	209.3	158.9	52.8	7.1	2.1	0.6
20°	457.7	448.7	428.5	391.8	344.4	276.0	209.2	62.1	6.6	1.6	0.3
21°	483.6	474.6	453.2	417.8	368.1	299.4	225.3	63.7	6.3	1.4	0.2
22°	500.1	494.8	471.8	437.4	386.7	318.2	239.1	64.4	6.1	1.3	0.2
23°	516.6	508.7	487.2	450.9	401.0	332.1	249.3	63.9	5.9	1.1	0.1
24°	528.8	522.2	497.2	461.4	410.9	340.6	255.4	62.5	5.6	0.9	0.1
25°	537.6	531.5	505.4	468.4	417.5	345.3	257.3	60.4	5.3	0.8	0.1
26°	545.9	539.3	512.3	472.5	421.0	346.8	255.5	58.1	5.0	0.7	0.0
27°	551.9	545.2	517.0	475.0	421.2	345.0	250.6	54.9	4.6	0.6	0.0
28°	558.4	550.6	520.3	476.3	419.9	340.8	243.6	51.6	4.4	0.5	0.0
29°	562.3	554.9	523.7	477.8	417.3	333.7	233.5	47.5	3.9	0.3	0.0
30°	564.8	556.0	523.4	476.2	413.8	326.1	221.4	44.2	3.4	0.3	0.0
31°	562.7	553.5	520.0	471.8	408.2	316.2	209.0	40.0	2.7	0.2	0.0
32°	558.1	547.3	514.1	464.1	398.2	303.4	196.1	36.5	2.0	0.2	0.0
33°	547.1	537.9	503.4	453.8	385.1	286.1	179.3	33.1	1.4	0.1	0.0
34°	533.2	524.0	488.9	440.0	367.6	263.8	159.0	29.6	1.2	0.1	0.0
35°	514.8	505.7	472.4	420.7	344.4	236.9	138.0	26.6	0.9	0.1	0.0
36°	495.5	483.5	451.7	400.1	313.3	206.3	115.6	23.1	0.7	0.1	0.0
37°	467.2	459.0	423.7	368.8	279.7	177.0	99.2	19.9	0.5	0.1	0.0
38°	437.7	430.3	395.8	337.3	242.2	148.0	83.1	16.9	0.4	0.0	0.0
39°	407.4	394.9	360.9	296.9	202.8	124.0	69.9	14.1	0.2	0.0	0.0
40°	359.7	350.2	313.9	248.4	167.8	100.5	59.6	10.8	0.2	0.0	0.0
42.5°	238.5	229.6	191.5	134.7	89.2	58.7	39.3	4.2	0.0	0.1	0.0
45°	122.9	117.3	95.3	70.5	50.6	36.1	25.3	2.6	0.0	0.1	0.1
47.5°	48.8	47.9	43.2	37.3	28.8	21.4	13.8	1.2	0.0	0.1	0.1
50°	13.2	13.3	12.4	11.5	10.4	9.8	5.8	0.3	0.0	0.2	0.1
52.5°	5.6	5.7	5.5	5.2	4.6	3.5	2.3	0.1	0.1	0.2	0.2
55°	1.2	1.3	1.4	1.5	1.7	1.5	0.9	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	0.4
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.4
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	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°	4.8	4.8	4.8
2.5°	3.4	3.1	3.0
5°	2.3	2.0	1.8
7.5°	1.6	1.3	1.2
10°	1.1	0.8	0.7
12.5°	0.7	0.4	0.4
15°	0.4	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	0.4
50°	0.2	0.4	0.4
52.5°	0.3	0.4	0.5
55°	0.3	0.5	0.5
57.5°	0.4	0.5	0.6
60°	0.4	0.5	0.5
62.5°	0.4	0.6	0.6
65°	0.5	0.6	0.6
67.5°	0.5	0.6	0.6
70°	0.4	0.5	0.6
72.5°	0.4	0.5	0.5
75°	0.3	0.4	0.4
77.5°	0.3	0.3	0.4
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)