

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: P1334818

Luminaire Tested: P3A02R259835DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334818
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: P3A02R259835DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

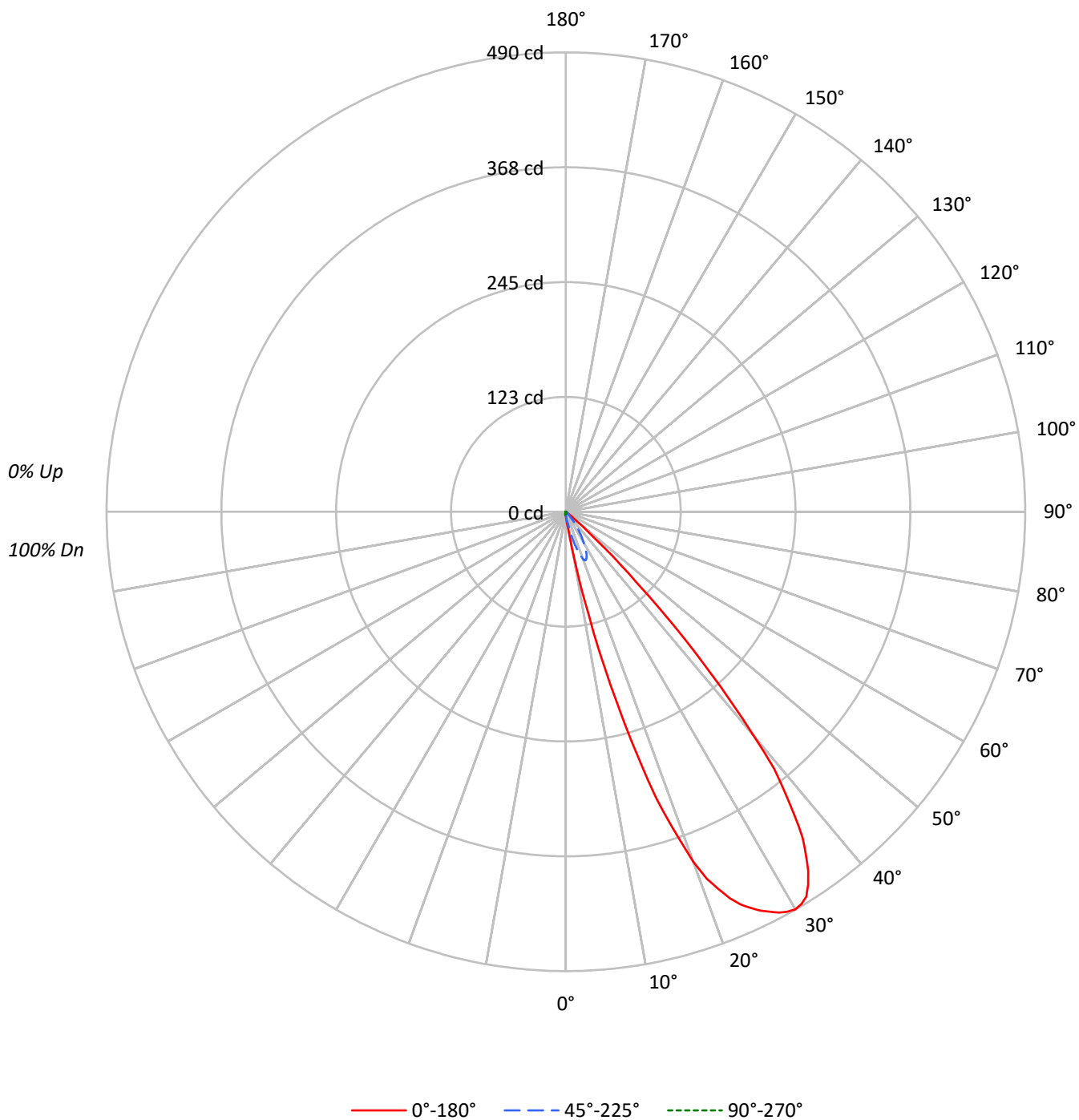
Lumens per Lamp: N/A
Luminaire Lumens: 98.1 lumens
Efficiency: N/A
Efficacy: 27.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	91	103	98	94	90	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	80	87	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	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60	55	51	50
8	71	60	52	48	69	59	52	47	58	52	47		57	51	47		56	50	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	43	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	921	921	921	921	921
5°	2311	1717	858	440	352
10°	10109	2917	713	200	134
15°	48105	7855	499	91	68
20°	92618	12578	327	23	23
25°	112797	12678	169	0	0
30°	124019	9698	76	0	0
35°	119525	6157	27	0	0
40°	89310	2662	0	0	29
45°	33058	713	31	31	93
50°	3889	102	68	68	136
55°	382	0	76	115	191
60°	44	0	132	175	219
65°	52	52	208	259	259
70°	64	64	256	256	321
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: 33058 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.6
10°-20°	11.4	11.7
20°-30°	35.9	36.6
30°-40°	37.8	38.5
40°-50°	11.1	11.3
50°-60°	0.6	0.6
60°-70°	0.3	0.3
70°-80°	0.3	0.3
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°	47.9	48.8
0°-40°	85.7	87.3
0°-60°	97.4	99.3
0°-90°	98.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	98.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	10	8	4	2	2	2
15°	212	35	2	0	0	67
25°	466	52	1	0	0	214
35°	446	23	0	0	0	269
45°	107	2	0	0	0	97
55°	1	0	0	0	0	3
65°	0	0	0	0	0	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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	6.5	6.6	6.3	6.5	6.3	6.2	6.1	5.7	4.9	4.2	3.5
5°	10.5	10.5	10.1	10.0	9.8	9.4	9.1	7.8	5.6	3.9	2.7
7.5°	16.5	16.4	16.2	15.7	14.8	13.9	13.0	10.1	6.1	3.7	2.1
10°	45.4	44.8	44.0	39.0	33.5	28.5	24.2	13.1	6.6	3.2	1.6
12.5°	112.9	109.3	100.6	90.7	78.1	64.8	51.8	21.3	6.8	2.7	1.1
15°	211.9	204.4	190.8	171.1	145.3	116.3	91.6	34.6	6.6	2.2	0.8
17.5°	320.0	312.7	294.0	264.0	226.0	181.5	137.8	45.8	6.1	1.8	0.5
20°	396.9	389.1	371.6	339.8	298.7	239.4	181.4	53.9	5.8	1.4	0.3
21°	419.4	411.6	393.1	362.4	319.2	259.7	195.4	55.2	5.5	1.2	0.2
22°	433.7	429.1	409.2	379.4	335.4	276.0	207.4	55.9	5.3	1.1	0.2
23°	448.0	441.2	422.5	391.1	347.7	288.0	216.2	55.4	5.1	0.9	0.1
24°	458.6	452.9	431.2	400.1	356.3	295.4	221.5	54.2	4.8	0.8	0.1
25°	466.2	460.9	438.3	406.2	362.1	299.5	223.1	52.4	4.6	0.7	0.1
26°	473.5	467.7	444.3	409.8	365.1	300.7	221.5	50.4	4.3	0.6	0.0
27°	478.7	472.8	448.4	411.9	365.3	299.2	217.3	47.6	4.0	0.5	0.0
28°	484.2	477.5	451.2	413.1	364.2	295.5	211.3	44.7	3.8	0.5	0.0
29°	487.6	481.2	454.2	414.4	361.9	289.4	202.5	41.2	3.4	0.3	0.0
30°	489.8	482.2	453.9	413.0	358.9	282.8	192.0	38.3	2.9	0.3	0.0
31°	488.0	480.0	451.0	409.2	354.0	274.2	181.2	34.7	2.4	0.2	0.0
32°	484.1	474.6	445.8	402.5	345.4	263.2	170.1	31.6	1.7	0.2	0.0
33°	474.5	466.5	436.6	393.5	334.0	248.2	155.5	28.7	1.2	0.1	0.0
34°	462.4	454.4	424.0	381.6	318.8	228.8	137.9	25.7	1.0	0.1	0.0
35°	446.5	438.6	409.7	364.8	298.7	205.5	119.7	23.0	0.8	0.1	0.0
36°	429.7	419.3	391.7	347.0	271.7	178.9	100.2	20.0	0.6	0.1	0.0
37°	405.1	398.1	367.5	319.8	242.6	153.5	86.0	17.3	0.5	0.1	0.0
38°	379.6	373.1	343.2	292.5	210.0	128.4	72.1	14.6	0.4	0.0	0.0
39°	353.3	342.5	313.0	257.5	175.9	107.5	60.6	12.3	0.2	0.0	0.0
40°	312.0	303.7	272.2	215.4	145.6	87.1	51.7	9.3	0.2	0.0	0.0
42.5°	206.8	199.1	166.0	116.9	77.4	50.9	34.1	3.7	0.0	0.1	0.0
45°	106.6	101.8	82.7	61.2	43.9	31.3	21.9	2.3	0.0	0.1	0.1
47.5°	42.3	41.5	37.5	32.4	25.0	18.6	12.0	1.0	0.0	0.1	0.1
50°	11.4	11.5	10.8	10.0	9.1	8.5	5.0	0.3	0.0	0.2	0.1
52.5°	4.8	4.9	4.8	4.5	4.0	3.0	2.0	0.1	0.1	0.2	0.2
55°	1.0	1.1	1.2	1.3	1.5	1.3	0.8	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°	4.2	4.2	4.2
2.5°	2.9	2.7	2.6
5°	2.0	1.7	1.6
7.5°	1.4	1.1	1.0
10°	0.9	0.7	0.6
12.5°	0.6	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	0.5
60°	0.4	0.5	0.5
62.5°	0.4	0.5	0.5
65°	0.5	0.5	0.5
67.5°	0.5	0.5	0.5
70°	0.4	0.5	0.5
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)