

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: P1334802

Luminaire Tested: P3A02R259830DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334802
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: P3A02R259830DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

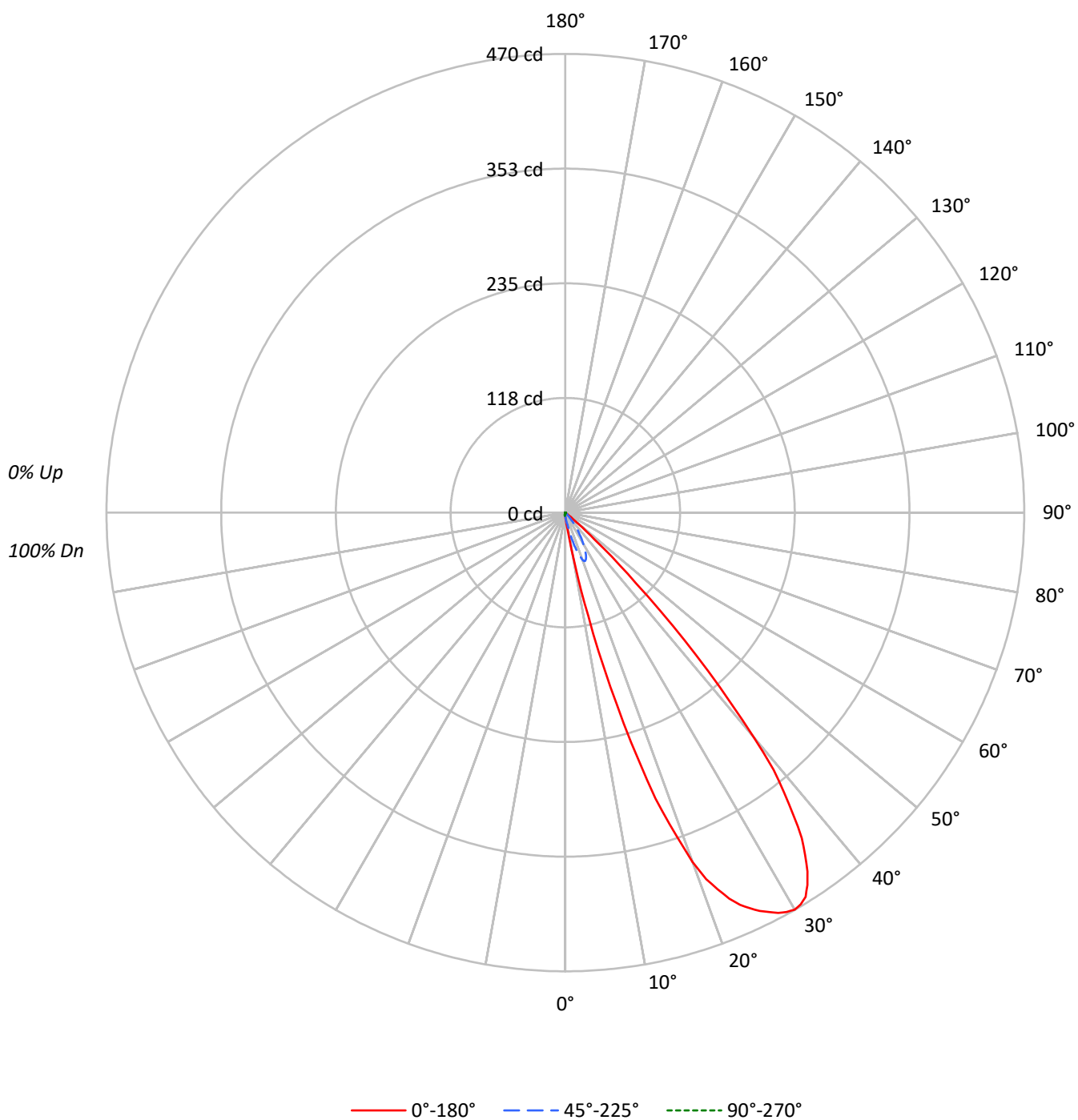
Lumens per Lamp: N/A
Luminaire Lumens: 94.1 lumens
Efficiency: N/A
Efficacy: 26.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1334802

CATALOG NUMBER: P3A02R259830DE010 E3A301WMH

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	91	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	80	87	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	69	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	877	877	877	877	877
5°	2223	1651	836	418	330
10°	9708	2783	690	200	134
15°	46152	7537	477	91	68
20°	88838	12064	303	23	23
25°	108200	12170	169	0	0
30°	118955	9293	76	0	0
35°	114653	5916	27	0	0
40°	85646	2548	0	0	29
45°	31724	682	31	31	93
50°	3753	102	68	68	136
55°	382	0	76	115	153
60°	44	0	132	175	175
65°	52	52	208	208	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: 31724 cd/sqm

TEST NUMBER: P1334802

CATALOG NUMBER: P3A02R259830DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.6
10°-20°	11.0	11.7
20°-30°	34.4	36.6
30°-40°	36.2	38.5
40°-50°	10.6	11.3
50°-60°	0.6	0.6
60°-70°	0.3	0.3
70°-80°	0.3	0.3
80°-90°	0.1	0.2
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°	45.9	48.8
0°-40°	82.2	87.3
0°-60°	93.4	99.3
0°-90°	94.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	94.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	10	8	4	2	2	2
15°	203	33	2	0	0	64
25°	447	50	1	0	0	205
35°	428	22	0	0	0	258
45°	102	2	0	0	0	93
55°	1	0	0	0	0	2
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	

TEST NUMBER: P1334802

CATALOG NUMBER: P3A02R259830DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	6.2	6.3	6.1	6.2	6.1	6.0	5.9	5.4	4.7	4.0	3.3
5°	10.1	10.1	9.6	9.6	9.4	9.0	8.7	7.5	5.3	3.8	2.6
7.5°	15.8	15.7	15.5	15.1	14.2	13.3	12.5	9.7	5.9	3.5	2.0
10°	43.6	43.0	42.2	37.4	32.1	27.4	23.2	12.5	6.3	3.1	1.5
12.5°	108.3	104.8	96.5	87.0	74.9	62.2	49.7	20.4	6.5	2.5	1.1
15°	203.3	196.0	183.0	164.1	139.4	111.6	87.9	33.2	6.3	2.1	0.8
17.5°	307.0	299.9	282.0	253.2	216.8	174.1	132.2	43.9	5.9	1.8	0.5
20°	380.7	373.3	356.4	325.9	286.5	229.6	174.0	51.7	5.5	1.3	0.3
21°	402.3	394.8	377.0	347.6	306.2	249.1	187.4	53.0	5.3	1.1	0.2
22°	416.0	411.6	392.5	363.9	321.7	264.7	198.9	53.6	5.1	1.1	0.2
23°	429.7	423.2	405.3	375.1	333.5	276.3	207.4	53.1	4.9	0.9	0.1
24°	439.9	434.4	413.6	383.8	341.8	283.4	212.4	52.0	4.6	0.8	0.1
25°	447.2	442.1	420.4	389.7	347.3	287.2	214.0	50.3	4.4	0.7	0.1
26°	454.1	448.6	426.1	393.1	350.2	288.5	212.5	48.3	4.1	0.6	0.0
27°	459.1	453.5	430.1	395.1	350.4	287.0	208.5	45.7	3.9	0.5	0.0
28°	464.5	458.0	432.8	396.2	349.3	283.5	202.7	42.9	3.7	0.4	0.0
29°	467.7	461.6	435.6	397.5	347.1	277.6	194.3	39.6	3.2	0.3	0.0
30°	469.8	462.5	435.4	396.2	344.2	271.3	184.2	36.7	2.8	0.3	0.0
31°	468.1	460.4	432.6	392.5	339.6	263.0	173.8	33.2	2.3	0.2	0.0
32°	464.3	455.3	427.6	386.1	331.3	252.4	163.1	30.3	1.7	0.2	0.0
33°	455.1	447.5	418.8	377.5	320.4	238.0	149.2	27.5	1.1	0.1	0.0
34°	443.5	435.9	406.7	366.0	305.8	219.4	132.3	24.6	1.0	0.1	0.0
35°	428.3	420.7	393.0	349.9	286.5	197.1	114.8	22.1	0.8	0.1	0.0
36°	412.2	402.2	375.7	332.8	260.7	171.6	96.1	19.2	0.6	0.1	0.0
37°	388.6	381.9	352.5	306.8	232.7	147.3	82.5	16.6	0.4	0.1	0.0
38°	364.1	357.9	329.2	280.6	201.5	123.1	69.1	14.0	0.4	0.0	0.0
39°	338.9	328.5	300.2	247.0	168.7	103.1	58.1	11.8	0.2	0.0	0.0
40°	299.2	291.4	261.1	206.6	139.6	83.6	49.6	8.9	0.2	0.0	0.0
42.5°	198.4	191.0	159.3	112.1	74.2	48.9	32.7	3.5	0.0	0.1	0.0
45°	102.3	97.6	79.3	58.7	42.1	30.0	21.0	2.2	0.0	0.1	0.1
47.5°	40.6	39.8	36.0	31.0	23.9	17.8	11.5	1.0	0.0	0.1	0.1
50°	11.0	11.1	10.3	9.6	8.7	8.2	4.8	0.3	0.0	0.2	0.1
52.5°	4.6	4.7	4.6	4.3	3.9	2.9	1.9	0.1	0.1	0.2	0.2
55°	1.0	1.1	1.1	1.2	1.4	1.2	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



TEST NUMBER: P1334802

CATALOG NUMBER: P3A02R259830DE010 E3A301WMH

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

TEST NUMBER: P1334802

CATALOG NUMBER: P3A02R259830DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	4.0	4.0	4.0
2.5°	2.8	2.5	2.5
5°	1.9	1.7	1.5
7.5°	1.3	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	0.4
55°	0.3	0.4	0.4
57.5°	0.4	0.4	0.5
60°	0.4	0.4	0.4
62.5°	0.4	0.5	0.5
65°	0.4	0.5	0.5
67.5°	0.4	0.5	0.5
70°	0.4	0.4	0.5
72.5°	0.4	0.4	0.4
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)