

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: P1334665

Luminaire Tested: P3A02R259030DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334665
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: P3A02R259030DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

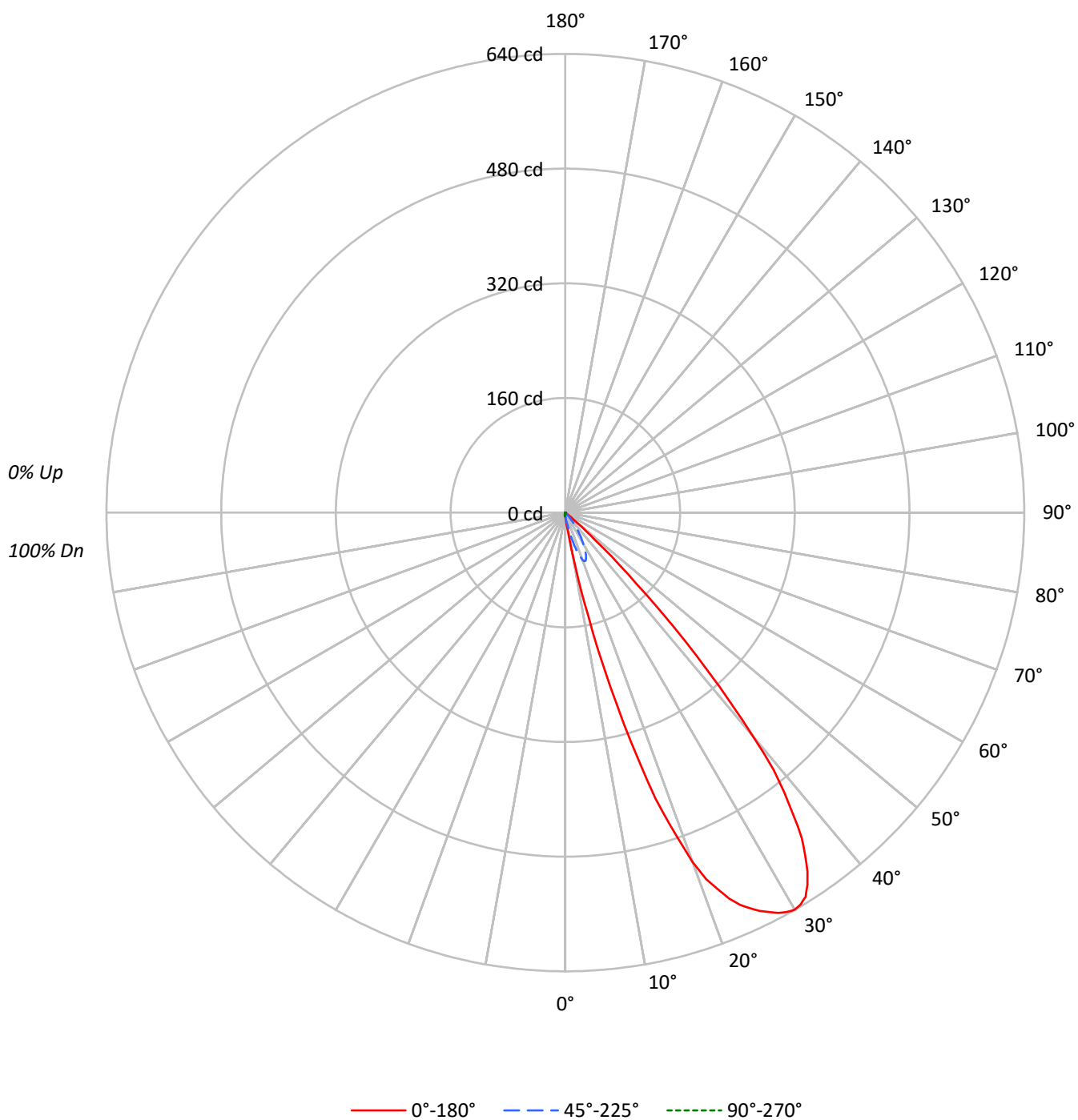
Lumens per Lamp: N/A
Luminaire Lumens: 128.0 lumens
Efficiency: N/A
Efficacy: 35.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.52 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1334665

CATALOG NUMBER: P3A02R259030DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1334665

CATALOG NUMBER: P3A02R259030DE010 E3A301WMH

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	90	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	60	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°	1206	1206	1206	1206	1206
5°	3016	2245	1123	572	440
10°	13226	3808	935	267	178
15°	62838	10238	658	114	91
20°	120971	16405	420	23	23
25°	147347	16549	242	0	0
30°	162000	12660	101	0	0
35°	156118	8058	27	0	0
40°	116647	3492	0	0	29
45°	43198	930	31	31	124
50°	5083	136	68	68	171
55°	497	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: 43198 cd/sqm

TEST NUMBER: P1334665

CATALOG NUMBER: P3A02R259030DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.6
10°-20°	14.9	11.7
20°-30°	46.8	36.6
30°-40°	49.3	38.5
40°-50°	14.5	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°	62.6	48.9
0°-40°	111.9	87.4
0°-60°	127.1	99.3
0°-90°	128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	128.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	14	10	5	3	2	2
15°	277	45	3	0	0	87
25°	609	68	1	0	0	279
35°	583	30	0	0	0	352
45°	139	3	0	0	0	127
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	

TEST NUMBER: P1334665

CATALOG NUMBER: P3A02R259030DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	8.5	8.6	8.2	8.5	8.2	8.1	8.0	7.4	6.4	5.5	4.5
5°	13.7	13.7	13.1	13.0	12.8	12.3	11.8	10.2	7.3	5.1	3.6
7.5°	21.5	21.4	21.1	20.5	19.3	18.2	17.0	13.3	8.0	4.8	2.7
10°	59.4	58.5	57.4	51.0	43.7	37.3	31.6	17.1	8.6	4.2	2.0
12.5°	147.5	142.7	131.4	118.5	102.0	84.7	67.7	27.8	8.8	3.5	1.4
15°	276.8	266.9	249.2	223.4	189.8	151.9	119.7	45.1	8.6	2.9	1.1
17.5°	418.0	408.4	384.0	344.8	295.2	237.1	180.0	59.8	8.0	2.4	0.7
20°	518.4	508.3	485.3	443.8	390.2	312.7	236.9	70.3	7.5	1.8	0.4
21°	547.8	537.7	513.4	473.3	416.9	339.2	255.2	72.1	7.2	1.6	0.2
22°	566.4	560.5	534.4	495.5	438.1	360.4	270.9	73.0	6.9	1.4	0.2
23°	585.2	576.2	551.9	510.8	454.2	376.2	282.4	72.4	6.7	1.2	0.1
24°	599.0	591.5	563.2	522.6	465.4	385.9	289.2	70.8	6.3	1.1	0.1
25°	609.0	602.0	572.5	530.6	472.9	391.1	291.4	68.4	6.0	1.0	0.1
26°	618.4	610.9	580.3	535.3	476.9	392.8	289.4	65.8	5.6	0.8	0.0
27°	625.2	617.5	585.7	538.0	477.1	390.8	283.9	62.2	5.3	0.7	0.0
28°	632.5	623.6	589.4	539.6	475.7	386.0	276.0	58.4	5.0	0.6	0.0
29°	636.9	628.5	593.2	541.2	472.7	378.0	264.5	53.9	4.4	0.4	0.0
30°	639.8	629.9	592.8	539.4	468.7	369.4	250.8	50.0	3.8	0.4	0.0
31°	637.4	627.0	589.0	534.4	462.4	358.2	236.7	45.3	3.1	0.2	0.0
32°	632.2	619.9	582.3	525.7	451.1	343.7	222.1	41.3	2.3	0.2	0.0
33°	619.7	609.3	570.3	514.0	436.3	324.1	203.1	37.5	1.6	0.1	0.0
34°	603.9	593.5	553.8	498.4	416.4	298.8	180.1	33.6	1.3	0.1	0.0
35°	583.2	572.9	535.1	476.5	390.2	268.3	156.3	30.1	1.1	0.1	0.0
36°	561.3	547.7	511.6	453.2	354.9	233.7	130.9	26.2	0.8	0.1	0.0
37°	529.2	520.0	480.0	417.8	316.8	200.5	112.4	22.6	0.6	0.1	0.0
38°	495.9	487.4	448.3	382.0	274.3	167.7	94.1	19.1	0.5	0.0	0.0
39°	461.5	447.4	408.8	336.3	229.8	140.4	79.2	16.0	0.2	0.0	0.0
40°	407.5	396.7	355.5	281.4	190.1	113.8	67.5	12.2	0.2	0.0	0.0
42.5°	270.1	260.1	216.9	152.6	101.0	66.5	44.5	4.8	0.0	0.1	0.0
45°	139.3	132.9	108.0	79.9	57.3	40.8	28.7	3.0	0.0	0.1	0.1
47.5°	55.3	54.2	49.0	42.3	32.6	24.2	15.6	1.3	0.0	0.1	0.1
50°	14.9	15.0	14.1	13.0	11.8	11.1	6.6	0.4	0.0	0.2	0.1
52.5°	6.3	6.4	6.2	5.9	5.3	3.9	2.6	0.1	0.1	0.2	0.2
55°	1.3	1.4	1.6	1.7	1.9	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



TEST NUMBER: P1334665

CATALOG NUMBER: P3A02R259030DE010 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	0.4	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

TEST NUMBER: P1334665

CATALOG NUMBER: P3A02R259030DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	5.5	5.5	5.5
2.5°	3.8	3.5	3.3
5°	2.6	2.3	2.0
7.5°	1.8	1.4	1.3
10°	1.2	1.0	0.8
12.5°	0.8	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)