

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: P1336078

Luminaire Tested: P3A02R459730DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R459730DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

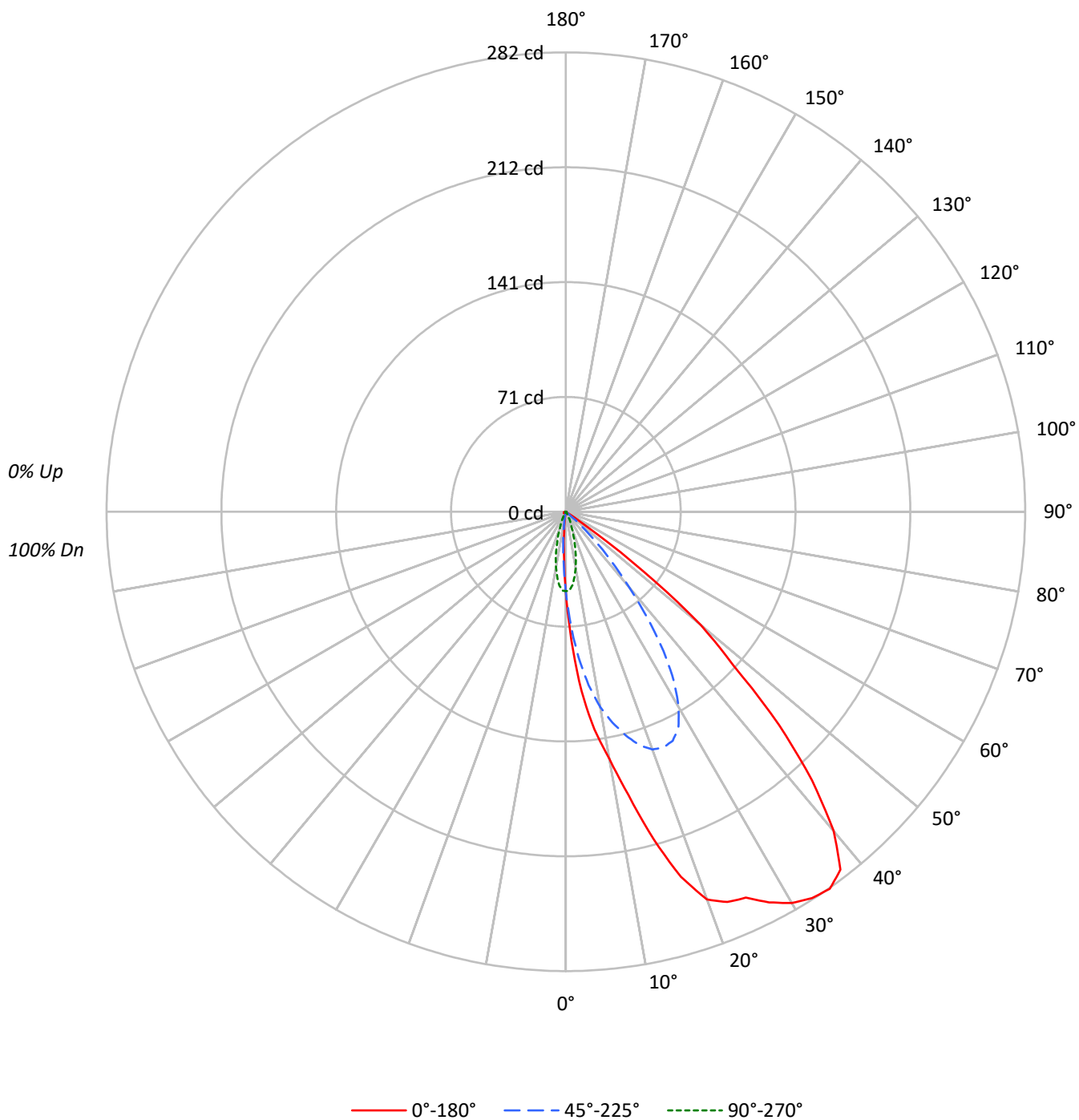
Lumens per Lamp: N/A
Luminaire Lumens: 127.9 lumens
Efficiency: N/A
Efficacy: 35.5 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	84	84	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	62	62	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	56	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	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	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10679	10679	10679	10679	10679
5°	24345	19745	9993	4006	2729
10°	34290	27120	7726	891	401
15°	47265	32282	4926	295	250
20°	59108	36240	2567	210	210
25°	63246	37526	1186	145	169
30°	70213	35043	532	152	177
35°	75623	27947	161	161	241
40°	73166	17318	86	200	286
45°	57463	8156	93	279	341
50°	36911	955	136	341	443
55°	5620	76	153	421	535
60°	88	88	175	482	570
65°	104	104	208	519	675
70°	128	128	256	577	769
75°	85	169	339	593	847
80°	126	253	379	631	884
85°	0	252	503	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	4.2
10°-20°	19.3	15.1
20°-30°	33.8	26.5
30°-40°	38.4	30.0
40°-50°	24.9	19.5
50°-60°	4.9	3.8
60°-70°	0.6	0.5
70°-80°	0.5	0.4
80°-90°	0.2	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°	58.5	45.7
0°-40°	96.9	75.7
0°-60°	126.7	99.0
0°-90°	127.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	127.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	49	49	49	49	49	
5°	111	90	45	18	12	12
15°	208	142	22	1	1	60
25°	261	155	5	1	1	123
35°	282	104	1	1	1	174
45°	185	26	0	1	1	140
55°	15	0	0	1	1	28
65°	0	0	0	1	1	0
75°	0	0	0	1	1	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°	35°	40°	45°	50°
0°	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
2.5°	79.1	78.9	79.2	77.1	77.0	75.4	74.9	73.1	70.7	69.5	66.7
5°	110.6	109.5	109.5	106.9	106.1	104.3	101.2	97.3	94.1	89.7	85.0
7.5°	134.9	134.7	134.7	132.4	130.3	127.7	123.5	119.1	114.0	107.3	100.4
10°	154.0	154.4	153.4	151.4	148.3	145.5	140.6	135.2	128.9	121.8	112.7
12.5°	178.2	175.9	175.1	170.5	166.6	161.2	155.3	149.2	141.4	132.5	122.2
15°	208.2	205.2	202.2	196.1	189.5	181.2	172.0	163.0	153.0	142.2	129.3
17.5°	235.0	235.0	231.0	221.4	212.8	200.6	188.2	176.2	164.3	150.1	134.0
20°	253.3	252.3	249.3	242.2	232.5	218.7	202.5	185.7	171.4	155.3	136.7
22.5°	259.3	259.1	259.2	255.0	247.2	232.8	213.0	193.2	175.2	156.6	135.4
25°	261.4	261.8	262.9	261.3	255.4	241.1	219.4	196.8	176.4	155.1	130.5
27.5°	270.3	269.4	270.6	269.5	262.9	245.8	220.7	195.9	173.8	149.7	121.7
30°	277.3	277.0	279.1	278.1	269.4	248.8	219.6	192.7	167.5	138.4	107.9
32.5°	281.2	281.3	281.9	277.9	265.0	242.2	213.8	186.2	155.6	123.7	89.9
35°	282.5	281.9	278.9	269.1	251.6	227.2	199.5	170.6	139.5	104.4	71.1
37.5°	276.9	273.6	265.9	251.3	231.0	208.2	181.3	151.0	117.3	82.4	53.0
40°	255.6	251.2	241.5	226.6	207.7	185.6	158.1	126.4	91.0	60.5	37.3
42.5°	223.7	221.5	211.3	198.4	182.3	160.0	131.7	99.6	67.3	41.7	23.8
45°	185.3	182.4	176.0	164.5	151.9	128.6	102.1	71.3	45.9	26.3	11.8
47.5°	138.9	139.2	134.8	126.1	113.7	94.2	69.9	47.9	28.8	13.6	2.7
50°	108.2	106.7	100.5	91.6	77.2	62.7	45.2	30.2	15.2	2.8	0.2
52.5°	59.9	60.9	57.6	54.7	47.2	37.5	26.7	15.3	3.2	0.3	0.2
55°	14.7	15.5	14.9	15.2	15.7	14.0	10.8	3.0	0.3	0.2	0.2
57.5°	0.3	0.3	0.3	0.3	0.5	0.7	0.7	0.2	0.2	0.2	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
77.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
80°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
2.5°	65.3	63.3	59.5	48.4	38.9	31.4	26.9	26.4
5°	80.8	75.4	67.4	45.4	28.7	18.2	13.2	12.4
7.5°	93.1	85.4	73.2	40.5	19.6	9.3	5.1	4.3
10°	103.3	92.4	76.2	34.7	12.3	4.0	2.1	1.8
12.5°	110.3	97.1	76.8	28.3	7.1	1.9	1.4	1.3
15°	114.8	98.6	74.2	21.7	4.0	1.3	1.2	1.1
17.5°	116.6	97.3	69.3	15.7	2.1	1.0	1.0	1.0
20°	115.7	93.1	62.0	11.0	1.4	0.9	0.9	0.9
22.5°	111.7	86.0	52.9	7.4	1.0	0.7	0.7	0.7
25°	103.6	76.2	43.2	4.9	0.6	0.6	0.7	0.7
27.5°	91.6	64.2	33.1	3.3	0.5	0.6	0.7	0.7
30°	76.5	50.8	23.8	2.1	0.5	0.6	0.6	0.7
32.5°	60.8	37.0	15.6	1.3	0.4	0.6	0.7	0.9
35°	44.1	25.3	10.0	0.6	0.5	0.6	0.7	0.9
37.5°	30.9	16.5	5.8	0.4	0.5	0.6	0.9	0.9
40°	20.1	9.2	2.1	0.3	0.5	0.7	0.9	1.0
42.5°	10.5	3.2	0.4	0.3	0.5	0.7	1.0	1.1
45°	2.7	0.4	0.1	0.3	0.6	0.9	1.1	1.1
47.5°	0.3	0.1	0.1	0.4	0.6	1.0	1.1	1.2
50°	0.1	0.2	0.2	0.4	0.6	1.0	1.2	1.3
52.5°	0.2	0.2	0.2	0.4	0.7	1.0	1.3	1.4
55°	0.2	0.2	0.2	0.4	0.7	1.1	1.3	1.4
57.5°	0.2	0.2	0.2	0.4	0.7	1.1	1.3	1.3
60°	0.2	0.2	0.2	0.4	0.7	1.1	1.3	1.3
62.5°	0.2	0.2	0.3	0.4	0.7	1.0	1.3	1.3
65°	0.2	0.3	0.3	0.4	0.7	1.0	1.2	1.3
67.5°	0.2	0.2	0.3	0.4	0.7	1.0	1.2	1.3
70°	0.2	0.2	0.3	0.4	0.6	0.9	1.1	1.2
72.5°	0.2	0.2	0.3	0.4	0.6	0.9	1.0	1.1
75°	0.2	0.2	0.3	0.4	0.5	0.7	1.0	1.0
77.5°	0.2	0.2	0.3	0.3	0.5	0.6	0.9	0.9
80°	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.7
82.5°	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)