

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: P1334074

Luminaire Tested: P3A02R159727DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R159727DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

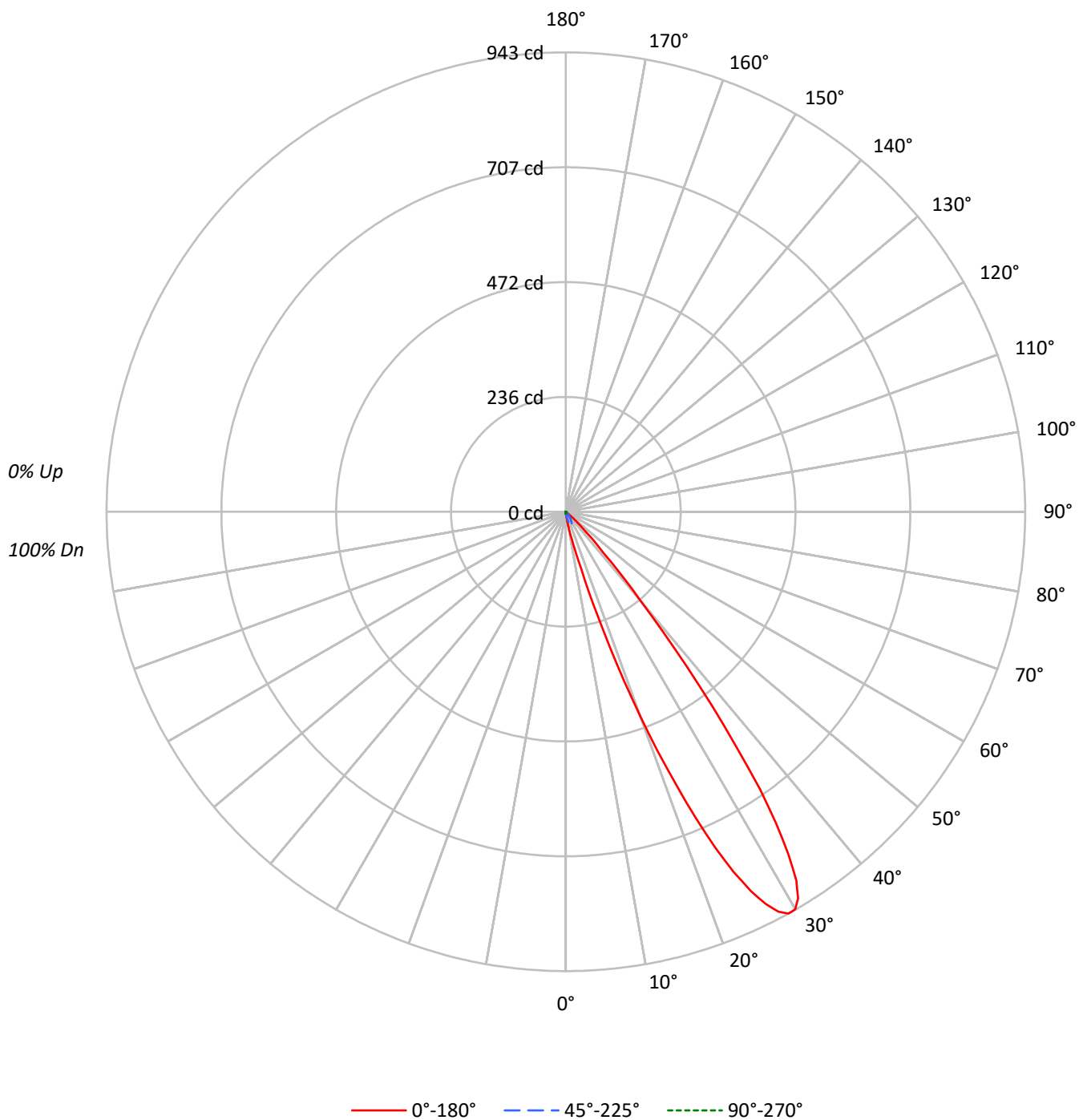
Lumens per Lamp: N/A
Luminaire Lumens: 103.0 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	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	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	746	746	746	746	746
5°	1607	1189	704	374	308
10°	7147	2249	557	156	111
15°	26992	5199	386	68	45
20°	103842	7351	233	23	23
25°	197455	6896	121	0	0
30°	238518	5545	51	0	0
35°	186019	3774	27	0	0
40°	67899	1861	29	0	29
45°	17428	558	31	0	62
50°	2934	68	34	34	102
55°	382	0	76	115	191
60°	44	44	132	175	263
65°	52	52	208	259	311
70°	64	64	256	256	321
75°	85	85	339	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: 17428 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.5
10°-20°	7.9	7.7
20°-30°	43.8	42.5
30°-40°	42.3	41.1
40°-50°	7.4	7.1
50°-60°	0.5	0.5
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°	52.1	50.6
0°-40°	94.4	91.7
0°-60°	102.3	99.3
0°-90°	103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	103.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3	3	3	3	3	
5°	7	5	3	2	1	1
15°	119	23	2	0	0	53
25°	816	28	0	0	0	365
35°	695	14	0	0	0	400
45°	56	2	0	0	0	60
55°	1	0	0	0	0	2
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°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	5.0	4.8	4.9	4.9	4.9	4.9	4.9	4.7	4.7	4.8	4.3
5°	7.3	7.3	7.2	7.3	7.3	7.2	7.0	6.9	6.9	6.7	5.4
7.5°	14.6	14.4	14.4	14.2	13.2	12.9	12.7	12.2	11.3	11.1	7.0
10°	32.1	32.2	31.5	30.6	30.5	29.0	28.5	27.6	25.8	24.1	10.1
12.5°	58.2	56.9	55.2	55.3	52.4	51.4	49.1	46.6	44.0	41.3	16.6
15°	118.9	115.2	117.4	112.0	105.9	99.0	92.0	83.2	75.6	67.6	22.9
17.5°	250.5	254.1	248.0	224.8	210.6	193.9	170.3	147.6	128.1	112.5	28.1
20°	445.0	450.3	429.5	409.4	374.8	337.1	297.9	253.4	210.8	173.9	31.5
21°	526.2	523.0	514.5	482.2	442.4	398.7	350.6	301.5	249.9	202.0	31.8
22°	604.8	606.3	586.4	552.7	511.2	462.8	404.1	343.5	287.9	224.8	31.3
23°	683.0	687.8	661.6	629.9	577.7	523.1	455.2	389.8	321.0	251.0	30.3
24°	755.5	752.1	734.4	694.5	638.7	574.8	504.3	424.9	348.3	273.3	29.5
25°	816.1	815.7	787.8	749.0	685.2	614.4	536.6	453.7	371.6	288.5	28.5
26°	865.7	857.6	835.6	788.3	725.3	650.6	563.2	474.6	384.7	296.1	27.5
27°	903.9	898.1	868.7	819.5	753.7	671.0	580.2	485.0	390.8	298.6	26.2
28°	929.7	923.4	892.0	841.3	769.3	683.8	589.2	489.4	390.8	296.2	24.9
29°	943.0	934.4	903.1	848.8	772.9	685.3	587.0	485.1	384.6	288.8	23.5
30°	942.0	931.3	898.5	842.0	762.2	673.0	574.7	469.6	370.8	277.7	21.9
31°	925.8	913.8	877.2	819.0	740.0	649.8	551.5	448.8	351.9	263.4	20.3
32°	892.8	877.6	841.9	783.9	706.0	615.0	517.7	416.6	323.5	242.5	18.6
33°	839.1	823.8	785.5	731.1	659.9	570.9	472.9	382.0	291.3	217.5	17.2
34°	771.9	757.9	724.9	670.1	601.8	515.1	421.4	334.2	257.8	192.8	15.7
35°	694.9	672.6	642.7	599.4	532.7	445.6	365.8	289.8	223.3	166.8	14.1
36°	590.8	594.8	563.2	510.1	454.9	386.5	310.0	241.6	186.8	142.2	12.7
37°	498.6	492.2	472.1	431.0	382.9	315.1	259.8	204.8	157.1	120.2	11.2
38°	402.2	403.6	383.8	352.3	304.6	259.1	209.1	168.2	131.5	102.3	9.8
39°	314.8	313.7	308.4	279.1	236.0	206.1	169.4	139.5	109.5	86.3	8.3
40°	237.2	239.0	226.5	208.9	183.8	159.2	135.0	111.2	90.6	72.7	6.5
42.5°	115.3	118.1	109.9	105.4	94.3	84.7	71.4	58.3	49.6	42.9	2.9
45°	56.2	54.6	53.9	51.7	49.1	43.9	38.9	33.4	29.2	25.1	1.8
47.5°	28.8	28.0	28.0	27.1	26.2	24.4	21.9	20.1	18.1	15.6	0.7
50°	8.6	8.5	8.4	8.5	8.2	8.5	8.7	8.8	8.0	7.9	0.2
52.5°	3.4	3.5	3.4	3.7	3.7	3.6	3.7	3.6	3.5	3.1	0.0
55°	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.1	1.2	0.0
57.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	4.0	3.5	2.9	2.4	2.2	2.1
5°	4.3	3.2	2.2	1.7	1.5	1.4
7.5°	4.6	2.9	1.7	1.2	0.9	0.8
10°	4.8	2.5	1.3	0.7	0.5	0.5
12.5°	4.8	2.0	0.9	0.4	0.3	0.3
15°	4.7	1.7	0.6	0.3	0.2	0.2
17.5°	4.6	1.3	0.4	0.2	0.1	0.2
20°	4.3	1.0	0.2	0.1	0.1	0.1
21°	4.2	0.9	0.2	0.1	0.1	0.1
22°	4.0	0.8	0.1	0.0	0.1	0.1
23°	3.8	0.6	0.1	0.0	0.0	0.0
24°	3.5	0.5	0.1	0.0	0.0	0.0
25°	3.3	0.5	0.1	0.0	0.0	0.0
26°	3.1	0.3	0.0	0.0	0.0	0.0
27°	2.8	0.2	0.0	0.0	0.0	0.0
28°	2.6	0.2	0.0	0.0	0.0	0.0
29°	2.3	0.2	0.0	0.0	0.0	0.0
30°	2.0	0.2	0.0	0.0	0.0	0.0
31°	1.6	0.1	0.0	0.0	0.0	0.0
32°	1.3	0.1	0.0	0.0	0.0	0.0
33°	0.9	0.1	0.0	0.0	0.0	0.0
34°	0.6	0.1	0.0	0.0	0.0	0.0
35°	0.5	0.1	0.0	0.0	0.0	0.0
36°	0.3	0.1	0.0	0.0	0.0	0.1
37°	0.3	0.1	0.0	0.0	0.0	0.1
38°	0.2	0.1	0.0	0.0	0.0	0.1
39°	0.1	0.1	0.0	0.0	0.0	0.1
40°	0.1	0.1	0.0	0.0	0.0	0.1
42.5°	0.0	0.1	0.0	0.0	0.1	0.2
45°	0.0	0.1	0.0	0.0	0.1	0.2
47.5°	0.0	0.1	0.0	0.0	0.2	0.2
50°	0.0	0.1	0.1	0.1	0.2	0.3
52.5°	0.0	0.2	0.1	0.2	0.3	0.4
55°	0.1	0.2	0.2	0.3	0.4	0.5
57.5°	0.1	0.3	0.3	0.4	0.5	0.5
60°	0.2	0.3	0.4	0.4	0.6	0.6
62.5°	0.2	0.4	0.4	0.4	0.6	0.6
65°	0.2	0.4	0.4	0.5	0.6	0.6
67.5°	0.2	0.4	0.4	0.4	0.5	0.6
70°	0.2	0.4	0.3	0.4	0.5	0.5
72.5°	0.2	0.4	0.3	0.3	0.4	0.5
75°	0.2	0.4	0.3	0.3	0.4	0.4
77.5°	0.2	0.3	0.3	0.2	0.3	0.3
80°	0.2	0.3	0.2	0.2	0.3	0.3



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.2	0.3	0.2	0.1	0.2	0.2
85°	0.2	0.3	0.2	0.1	0.1	0.1
87.5°	0.2	0.3	0.1	0.0	0.0	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)