

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: P1335006

Luminaire Tested: P3A02R309035DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309035DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

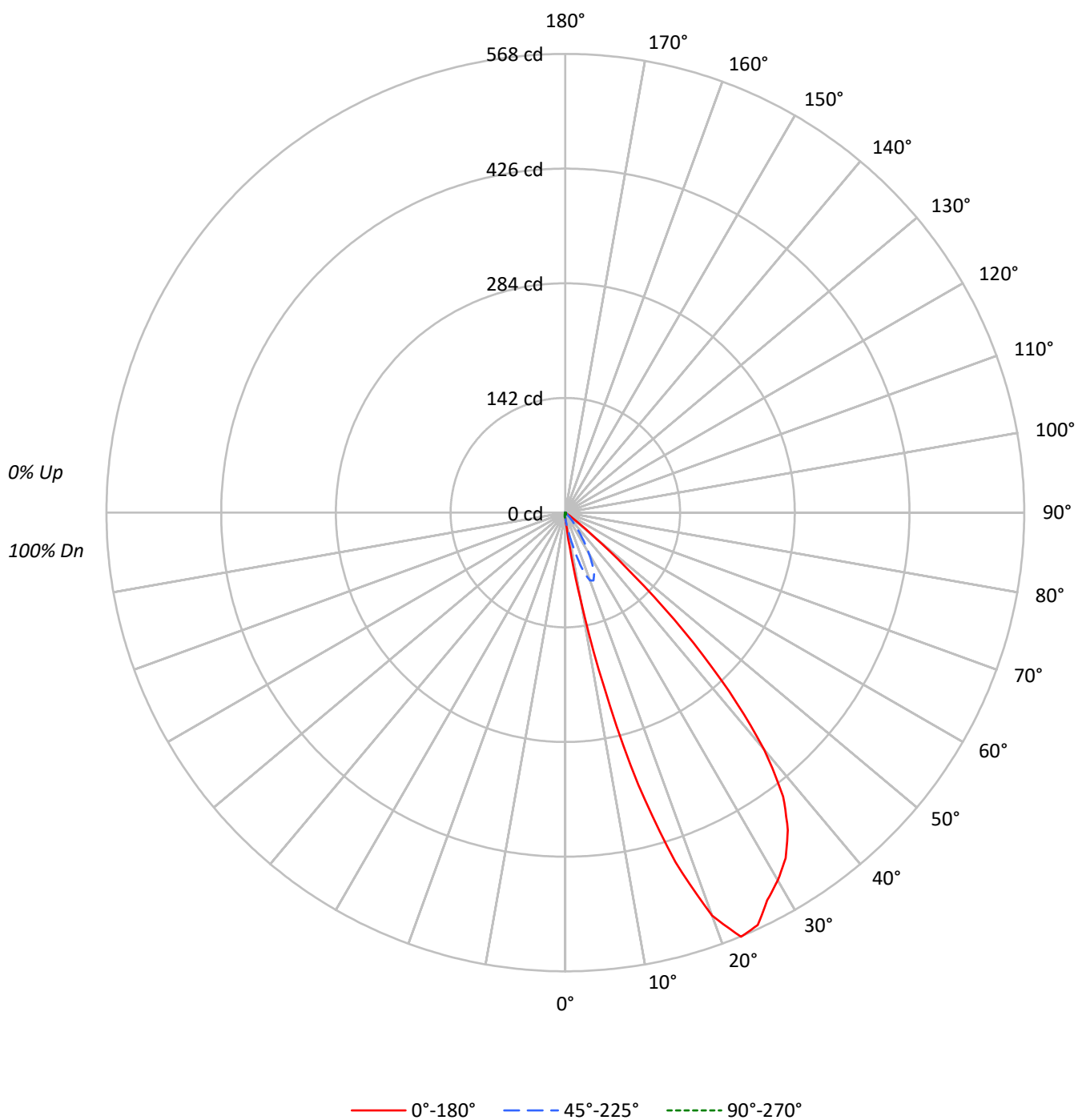
Lumens per Lamp: N/A
Luminaire Lumens: 134.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	92	104	98	94	90	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	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	64	58	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	67	55	48	43	65	55	48	43	53	47	43		52	47	43		52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1403	1403	1403	1403	1403
5°	4204	2796	1321	594	484
10°	24337	5945	1047	267	200
15°	79183	13485	726	45	23
20°	123911	20862	467	0	0
25°	136339	20372	242	0	0
30°	133160	14686	101	0	0
35°	128519	8352	27	0	0
40°	109605	3550	0	0	0
45°	64317	1333	31	0	31
50°	15624	239	34	34	136
55°	1376	0	76	153	191
60°	44	0	88	175	263
65°	52	52	208	208	311
70°	64	64	256	256	321
75°	0	85	339	339	339
80°	0	126	505	253	253
85°	0	252	1006	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.9
10°-20°	18.4	13.7
20°-30°	46.8	34.9
30°-40°	46.6	34.8
40°-50°	18.9	14.1
50°-60°	1.3	1.0
60°-70°	0.3	0.2
70°-80°	0.3	0.2
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°	66.4	49.6
0°-40°	113.0	84.4
0°-60°	133.2	99.4
0°-90°	134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	134.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	19	13	6	3	2	4
15°	349	59	3	0	0	102
25°	564	84	1	0	0	254
35°	480	31	0	0	0	294
45°	207	4	0	0	0	158
55°	4	0	0	0	0	9
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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	10.5	10.7	10.7	10.4	10.3	10.3	9.9	9.8	9.4	9.1	7.8
5°	19.1	18.7	18.2	18.2	17.1	16.5	15.7	14.7	14.0	12.7	9.1
7.5°	43.3	40.4	39.5	38.4	34.3	31.0	27.2	23.9	20.8	18.2	10.0
10°	109.3	103.6	98.8	89.1	77.0	65.4	54.6	42.1	33.6	26.7	10.8
12.5°	220.3	212.6	203.4	185.7	163.1	134.1	108.4	80.9	56.8	39.3	11.0
15°	348.8	335.7	321.4	299.0	261.9	220.3	173.9	130.2	91.2	59.4	10.8
17.5°	453.7	448.5	427.3	396.7	351.3	297.7	240.5	180.7	123.1	77.8	10.0
20°	531.0	527.5	501.9	469.3	418.2	356.7	284.1	212.3	145.2	89.4	8.9
22.5°	568.4	567.8	549.3	516.0	461.7	392.1	312.1	230.6	152.1	91.0	7.5
25°	563.5	565.7	555.2	530.4	478.4	406.6	320.4	230.6	147.1	84.2	6.2
27.5°	541.2	542.7	536.1	517.1	468.6	396.1	308.8	215.7	132.5	72.4	5.1
30°	525.9	526.5	518.3	498.0	446.6	372.1	281.4	188.3	110.4	58.0	3.8
32.5°	507.3	507.2	497.6	474.4	417.7	338.4	246.6	155.6	84.9	44.1	2.2
35°	480.1	477.0	464.1	437.3	374.6	293.1	202.2	118.5	61.1	31.2	1.3
37.5°	442.8	434.8	416.4	380.6	314.1	229.8	149.9	83.3	41.8	20.7	0.9
40°	382.9	374.4	349.5	305.9	237.5	165.4	101.0	54.2	26.3	12.4	0.5
42.5°	300.2	294.5	260.8	217.3	156.9	105.5	60.7	32.1	14.8	7.1	0.1
45°	207.4	200.0	173.5	136.6	94.2	58.5	34.0	16.8	8.4	4.3	0.0
47.5°	114.5	105.3	90.0	70.8	47.4	30.7	17.1	9.1	4.8	2.1	0.0
50°	45.8	45.4	36.1	25.7	18.1	14.0	8.6	4.9	2.4	0.7	0.1
52.5°	16.0	16.0	13.8	11.3	8.8	6.4	4.3	2.3	0.9	0.2	0.1
55°	3.6	3.9	3.7	3.4	3.3	2.8	1.8	0.9	0.2	0.0	0.1
57.5°	0.4	0.4	0.4	0.5	0.6	0.6	0.5	0.2	0.0	0.0	0.1
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.4
77.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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):

	90°	112.5°	135°	157.5°	180°
0°	6.4	6.4	6.4	6.4	6.4
2.5°	6.4	5.0	4.2	3.7	3.6
5°	6.0	3.8	2.7	2.3	2.2
7.5°	5.4	2.8	1.8	1.5	1.3
10°	4.7	2.1	1.2	0.9	0.9
12.5°	3.9	1.6	0.7	0.4	0.2
15°	3.2	1.0	0.2	0.1	0.1
17.5°	2.4	0.6	0.0	0.0	0.0
20°	2.0	0.2	0.0	0.0	0.0
22.5°	1.5	0.1	0.0	0.0	0.0
25°	1.0	0.0	0.0	0.0	0.0
27.5°	0.6	0.0	0.0	0.0	0.0
30°	0.4	0.0	0.0	0.0	0.0
32.5°	0.1	0.0	0.0	0.0	0.0
35°	0.1	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.1	0.0	0.0	0.1	0.1
47.5°	0.1	0.1	0.1	0.2	0.2
50°	0.1	0.1	0.1	0.2	0.4
52.5°	0.2	0.1	0.2	0.4	0.4
55°	0.2	0.2	0.4	0.5	0.5
57.5°	0.2	0.2	0.4	0.5	0.5
60°	0.2	0.2	0.4	0.5	0.6
62.5°	0.4	0.4	0.4	0.5	0.5
65°	0.4	0.4	0.4	0.5	0.6
67.5°	0.4	0.4	0.4	0.5	0.6
70°	0.4	0.4	0.4	0.5	0.5
72.5°	0.5	0.4	0.4	0.5	0.5
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.2	0.4	0.4
80°	0.4	0.2	0.2	0.2	0.2
82.5°	0.4	0.2	0.2	0.2	0.2
85°	0.4	0.2	0.1	0.1	0.1
87.5°	0.4	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)