

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: P1334786

Luminaire Tested: P3A02R259827DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334786
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: P3A02R259827DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

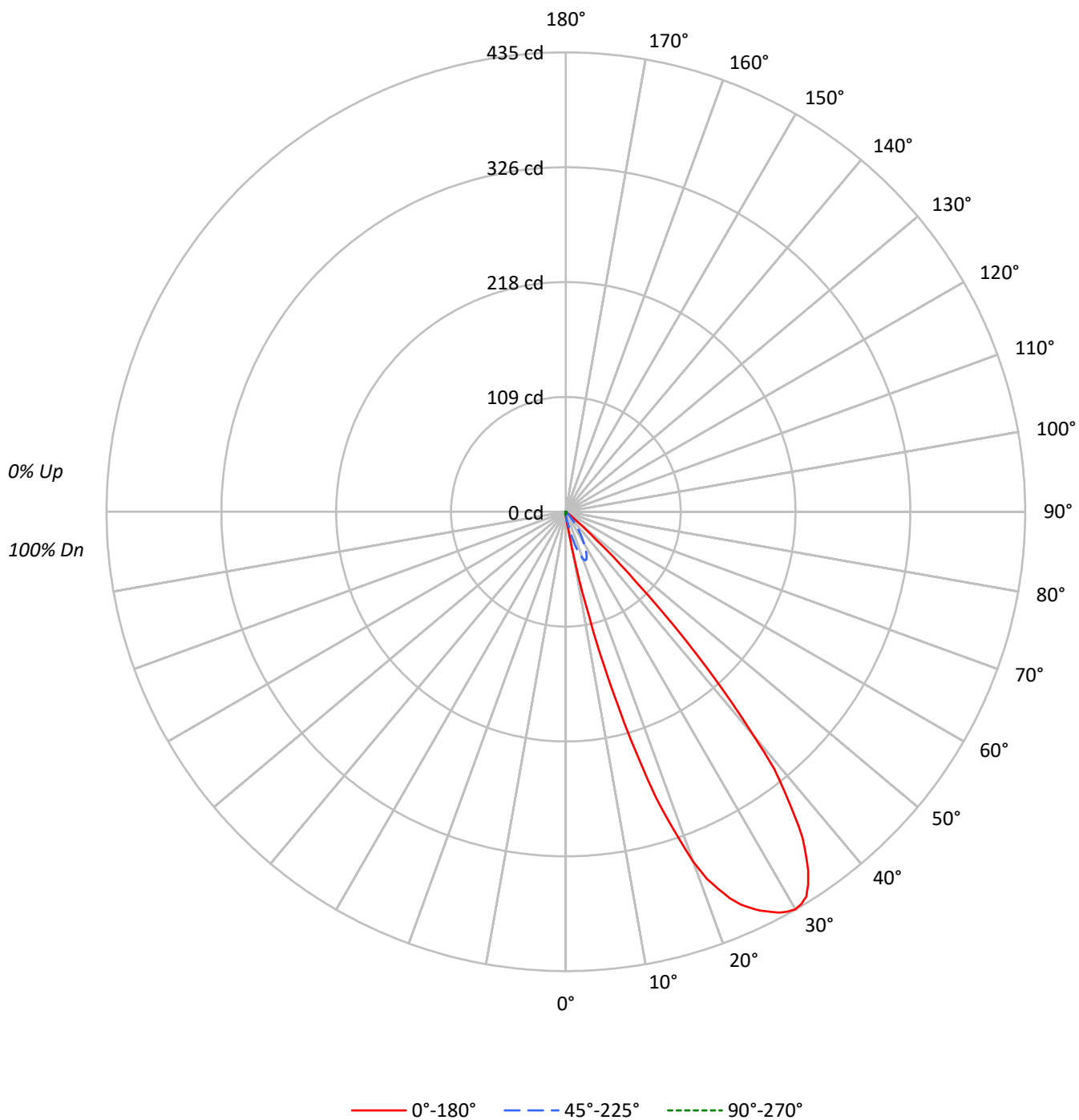
Lumens per Lamp: N/A
Luminaire Lumens: 87.0 lumens
Efficiency: N/A
Efficacy: 24.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	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	103	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°	811	811	811	811	811
5°	2047	1519	770	396	308
10°	8973	2583	623	178	134
15°	42724	6969	431	68	45
20°	82234	11154	280	23	23
25°	100143	11251	145	0	0
30°	110093	8609	51	0	0
35°	106113	5488	27	0	0
40°	79291	2376	0	0	29
45°	29336	620	31	31	62
50°	3446	68	68	68	102
55°	344	0	76	76	153
60°	44	0	88	132	175
65°	52	52	156	208	259
70°	64	64	192	192	321
75°	85	85	169	169	254
80°	0	126	253	253	253
85°	0	252	503	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29336 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.6
10°-20°	10.1	11.7
20°-30°	31.8	36.6
30°-40°	33.5	38.5
40°-50°	9.8	11.3
50°-60°	0.5	0.6
60°-70°	0.3	0.3
70°-80°	0.2	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°	42.5	48.9
0°-40°	76.0	87.4
0°-60°	86.4	99.3
0°-90°	87.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	87.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	9	7	4	2	1	2
15°	188	31	2	0	0	59
25°	414	46	1	0	0	190
35°	396	20	0	0	0	239
45°	95	2	0	0	0	86
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	5.8	5.8	5.6	5.8	5.6	5.5	5.4	5.0	4.4	3.7	3.1
5°	9.3	9.3	8.9	8.8	8.7	8.4	8.0	6.9	5.0	3.5	2.4
7.5°	14.6	14.5	14.4	14.0	13.1	12.3	11.5	9.0	5.4	3.2	1.9
10°	40.3	39.8	39.0	34.7	29.7	25.3	21.5	11.6	5.8	2.8	1.4
12.5°	100.2	97.0	89.3	80.5	69.3	57.6	46.0	18.9	6.0	2.4	1.0
15°	188.2	181.4	169.4	151.9	129.0	103.3	81.3	30.7	5.8	1.9	0.7
17.5°	284.1	277.6	261.0	234.3	200.7	161.1	122.3	40.7	5.4	1.6	0.5
20°	352.4	345.5	329.9	301.6	265.2	212.5	161.0	47.8	5.1	1.2	0.2
21°	372.3	365.4	349.0	321.7	283.4	230.5	173.5	49.0	4.9	1.1	0.2
22°	385.0	380.9	363.2	336.8	297.7	245.0	184.1	49.6	4.7	1.0	0.2
23°	397.7	391.7	375.1	347.2	308.7	255.7	192.0	49.2	4.5	0.8	0.1
24°	407.2	402.0	382.8	355.2	316.3	262.3	196.6	48.1	4.3	0.7	0.1
25°	413.9	409.2	389.1	360.6	321.4	265.8	198.1	46.5	4.1	0.6	0.1
26°	420.3	415.2	394.4	363.8	324.1	267.0	196.7	44.7	3.8	0.6	0.0
27°	424.9	419.7	398.1	365.7	324.3	265.6	192.9	42.3	3.6	0.5	0.0
28°	429.9	423.9	400.6	366.7	323.3	262.3	187.6	39.7	3.4	0.4	0.0
29°	432.9	427.2	403.2	367.9	321.3	256.9	179.8	36.6	3.0	0.2	0.0
30°	434.8	428.1	402.9	366.7	318.6	251.1	170.5	34.0	2.6	0.2	0.0
31°	433.2	426.2	400.3	363.2	314.3	243.4	160.9	30.8	2.1	0.2	0.0
32°	429.7	421.4	395.8	357.3	306.6	233.6	151.0	28.1	1.5	0.2	0.0
33°	421.2	414.1	387.6	349.4	296.5	220.3	138.1	25.5	1.1	0.1	0.0
34°	410.5	403.4	376.4	338.7	283.0	203.1	122.4	22.8	0.9	0.1	0.0
35°	396.4	389.4	363.7	323.9	265.2	182.4	106.3	20.5	0.7	0.1	0.0
36°	381.5	372.3	347.7	308.0	241.2	158.9	89.0	17.8	0.6	0.1	0.0
37°	359.7	353.4	326.2	283.9	215.3	136.3	76.4	15.3	0.4	0.1	0.0
38°	337.0	331.3	304.7	259.7	186.5	114.0	64.0	13.0	0.3	0.0	0.0
39°	313.6	304.1	277.9	228.6	156.2	95.5	53.8	10.9	0.2	0.0	0.0
40°	277.0	269.7	241.6	191.2	129.2	77.4	45.9	8.3	0.2	0.0	0.0
42.5°	183.6	176.8	147.4	103.7	68.7	45.2	30.3	3.2	0.0	0.1	0.0
45°	94.6	90.3	73.4	54.3	39.0	27.8	19.5	2.0	0.0	0.1	0.1
47.5°	37.6	36.9	33.3	28.7	22.2	16.5	10.6	0.9	0.0	0.1	0.1
50°	10.1	10.2	9.6	8.8	8.0	7.5	4.5	0.2	0.0	0.2	0.1
52.5°	4.3	4.4	4.2	4.0	3.6	2.7	1.8	0.1	0.1	0.2	0.2
55°	0.9	1.0	1.1	1.1	1.3	1.1	0.7	0.0	0.1	0.2	0.2
57.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.1	0.2	0.2
60°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	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°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2



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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	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	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):

	135°	157.5°	180°
0°	3.7	3.7	3.7
2.5°	2.6	2.4	2.3
5°	1.8	1.5	1.4
7.5°	1.2	1.0	0.9
10°	0.8	0.6	0.6
12.5°	0.6	0.3	0.3
15°	0.3	0.2	0.2
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	0.2
47.5°	0.2	0.2	0.3
50°	0.2	0.3	0.3
52.5°	0.2	0.3	0.4
55°	0.2	0.4	0.4
57.5°	0.3	0.4	0.5
60°	0.3	0.4	0.4
62.5°	0.3	0.5	0.5
65°	0.4	0.5	0.5
67.5°	0.4	0.5	0.5
70°	0.3	0.4	0.5
72.5°	0.3	0.4	0.4
75°	0.2	0.3	0.3
77.5°	0.2	0.2	0.3
80°	0.2	0.2	0.2

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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)