

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: P1334825

Luminaire Tested: P3A02R259835DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334825
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: P3A02R259835DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

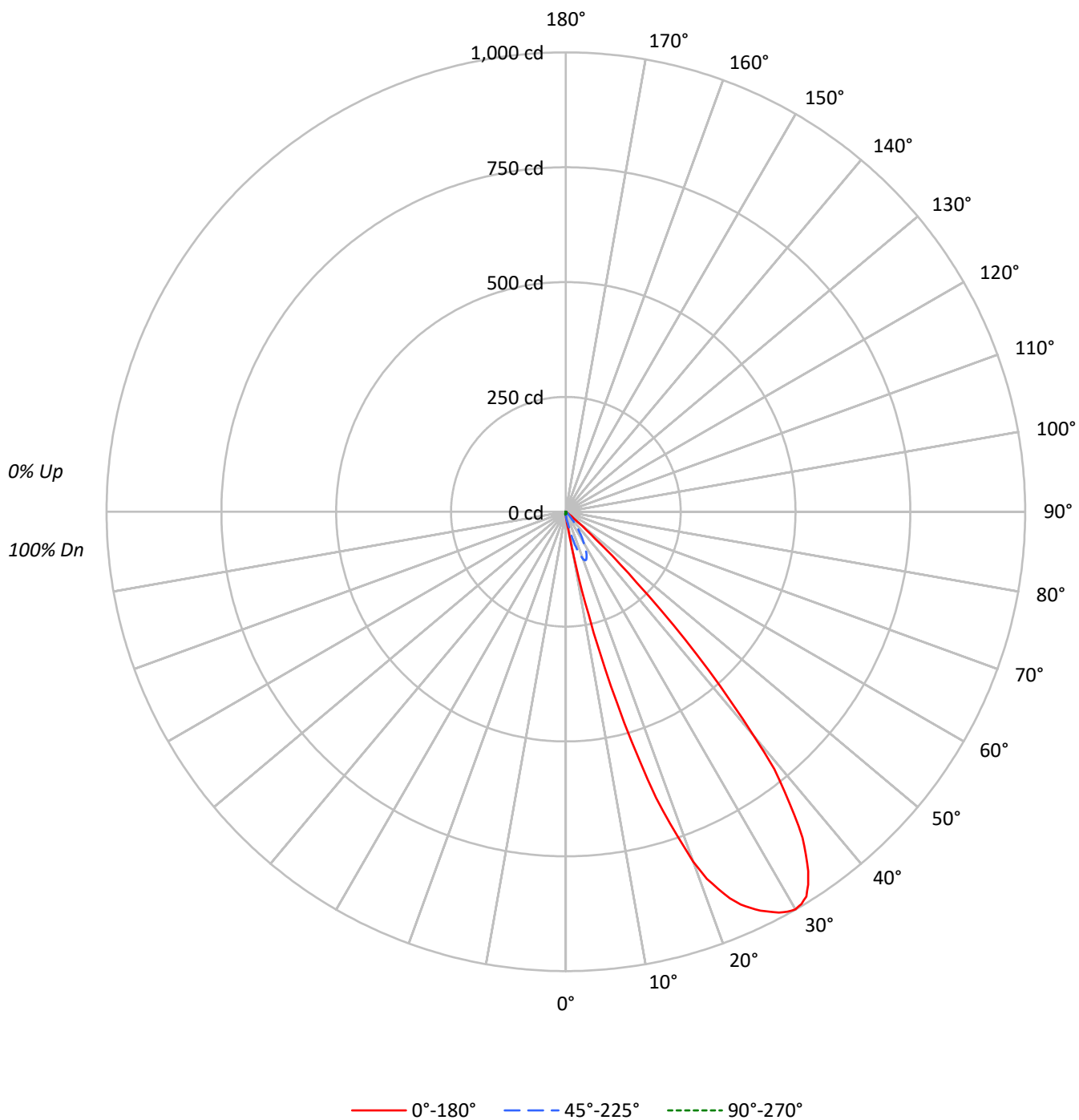
Lumens per Lamp: N/A
Luminaire Lumens: 200.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	103	98	94	90	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	87	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	63	58	79	70	63	58	68	62	58		67	61	57		65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60	55	52	50
8	71	60	52	48	69	59	52	47	58	52	47		57	51	47		56	50	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	44	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1886	1886	1886	1886	1886
5°	4733	3500	1761	902	704
10°	20641	5945	1447	423	289
15°	98184	16005	1022	159	136
20°	189016	25646	653	47	47
25°	230215	25864	363	0	0
30°	253102	19801	152	0	0
35°	243921	12582	54	0	0
40°	182256	5439	0	0	57
45°	67480	1458	62	62	186
50°	7949	205	136	136	239
55°	803	0	153	229	344
60°	88	0	263	307	395
65°	104	104	363	467	571
70°	128	128	449	449	705
75°	169	169	508	508	593
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 67480 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.6
10°-20°	23.3	11.7
20°-30°	73.2	36.6
30°-40°	77.0	38.5
40°-50°	22.6	11.3
50°-60°	1.2	0.6
60°-70°	0.6	0.3
70°-80°	0.5	0.3
80°-90°	0.3	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°	97.8	48.9
0°-40°	174.8	87.4
0°-60°	198.7	99.3
0°-90°	200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	200.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	22	16	8	4	3	4
15°	432	70	4	1	1	136
25°	952	107	2	0	0	436
35°	911	47	0	0	0	550
45°	218	5	0	0	1	198
55°	2	0	0	1	1	5
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	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°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
2.5°	13.2	13.4	12.9	13.2	12.9	12.7	12.5	11.6	10.1	8.6	7.1
5°	21.5	21.5	20.5	20.3	20.0	19.2	18.5	15.9	11.4	8.0	5.6
7.5°	33.6	33.4	33.0	32.1	30.2	28.4	26.5	20.7	12.5	7.5	4.3
10°	92.7	91.4	89.8	79.7	68.3	58.2	49.4	26.7	13.4	6.5	3.2
12.5°	230.5	223.0	205.3	185.1	159.4	132.3	105.8	43.5	13.8	5.4	2.2
15°	432.5	417.1	389.4	349.1	296.5	237.4	187.0	70.5	13.4	4.5	1.7
17.5°	653.1	638.2	599.9	538.7	461.3	370.4	281.2	93.5	12.5	3.7	1.1
20°	810.0	794.2	758.4	693.4	609.6	488.5	370.2	109.9	11.8	2.8	0.6
21°	855.9	840.1	802.2	739.5	651.4	530.0	398.8	112.7	11.2	2.4	0.4
22°	885.1	875.7	835.0	774.2	684.5	563.2	423.2	114.0	10.8	2.2	0.4
23°	914.4	900.4	862.3	798.1	709.6	587.8	441.3	113.1	10.4	1.9	0.2
24°	936.0	924.2	880.0	816.6	727.2	602.9	452.0	110.7	9.9	1.7	0.2
25°	951.5	940.7	894.6	829.1	738.9	611.1	455.3	106.9	9.3	1.5	0.2
26°	966.2	954.5	906.7	836.4	745.1	613.7	452.1	102.8	8.8	1.3	0.0
27°	976.9	964.9	915.1	840.6	745.5	610.6	443.6	97.2	8.2	1.1	0.0
28°	988.2	974.4	920.9	843.1	743.2	603.1	431.2	91.2	7.8	0.9	0.0
29°	995.2	982.1	926.9	845.7	738.6	590.6	413.3	84.2	6.9	0.6	0.0
30°	999.6	984.1	926.3	842.9	732.4	577.2	391.9	78.2	6.0	0.6	0.0
31°	995.9	979.7	920.3	835.0	722.5	559.6	369.8	70.7	4.9	0.4	0.0
32°	987.9	968.7	909.9	821.4	704.8	537.0	347.1	64.6	3.5	0.4	0.0
33°	968.3	952.0	891.0	803.1	681.7	506.4	317.4	58.6	2.4	0.2	0.0
34°	943.6	927.4	865.3	778.7	650.7	466.9	281.4	52.4	2.1	0.2	0.0
35°	911.2	895.1	836.2	744.5	609.6	419.3	244.3	47.0	1.7	0.2	0.0
36°	877.0	855.8	799.4	708.2	554.6	365.2	204.5	40.9	1.3	0.2	0.0
37°	826.8	812.5	750.0	652.7	495.1	313.3	175.6	35.3	0.9	0.2	0.0
38°	774.8	761.5	700.5	596.9	428.6	262.0	147.0	29.9	0.7	0.0	0.0
39°	721.0	699.0	638.7	525.5	359.0	219.4	123.7	25.0	0.4	0.0	0.0
40°	636.7	619.9	555.5	439.6	297.1	177.8	105.4	19.0	0.4	0.0	0.0
42.5°	422.1	406.4	338.9	238.5	157.9	103.9	69.6	7.5	0.0	0.2	0.0
45°	217.6	207.7	168.7	124.8	89.6	63.8	44.8	4.7	0.0	0.2	0.2
47.5°	86.4	84.7	76.5	66.1	50.9	37.9	24.4	2.1	0.0	0.2	0.2
50°	23.3	23.5	22.0	20.3	18.5	17.4	10.3	0.6	0.0	0.4	0.2
52.5°	9.9	10.1	9.7	9.1	8.2	6.2	4.1	0.2	0.2	0.4	0.4
55°	2.1	2.2	2.4	2.6	3.0	2.6	1.7	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.0	0.2	0.4	0.6
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.6	0.6
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.7
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.7	0.7
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.7	0.7
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.7	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.7	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.4



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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	0.2	0.2	0.4	0.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
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°	8.6	8.6	8.6
2.5°	6.0	5.4	5.2
5°	4.1	3.5	3.2
7.5°	2.8	2.2	2.1
10°	1.9	1.5	1.3
12.5°	1.3	0.7	0.7
15°	0.7	0.6	0.6
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
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	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.6
47.5°	0.4	0.6	0.7
50°	0.4	0.7	0.7
52.5°	0.6	0.7	0.9
55°	0.6	0.9	0.9
57.5°	0.7	0.9	1.1
60°	0.7	0.9	0.9
62.5°	0.7	1.1	1.1
65°	0.9	1.1	1.1
67.5°	0.9	1.1	1.1
70°	0.7	0.9	1.1
72.5°	0.7	0.9	0.9
75°	0.6	0.7	0.7
77.5°	0.6	0.6	0.7
80°	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)