

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: P1334809

Luminaire Tested: P3A02R259830DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334809
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: P3A02R259830DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

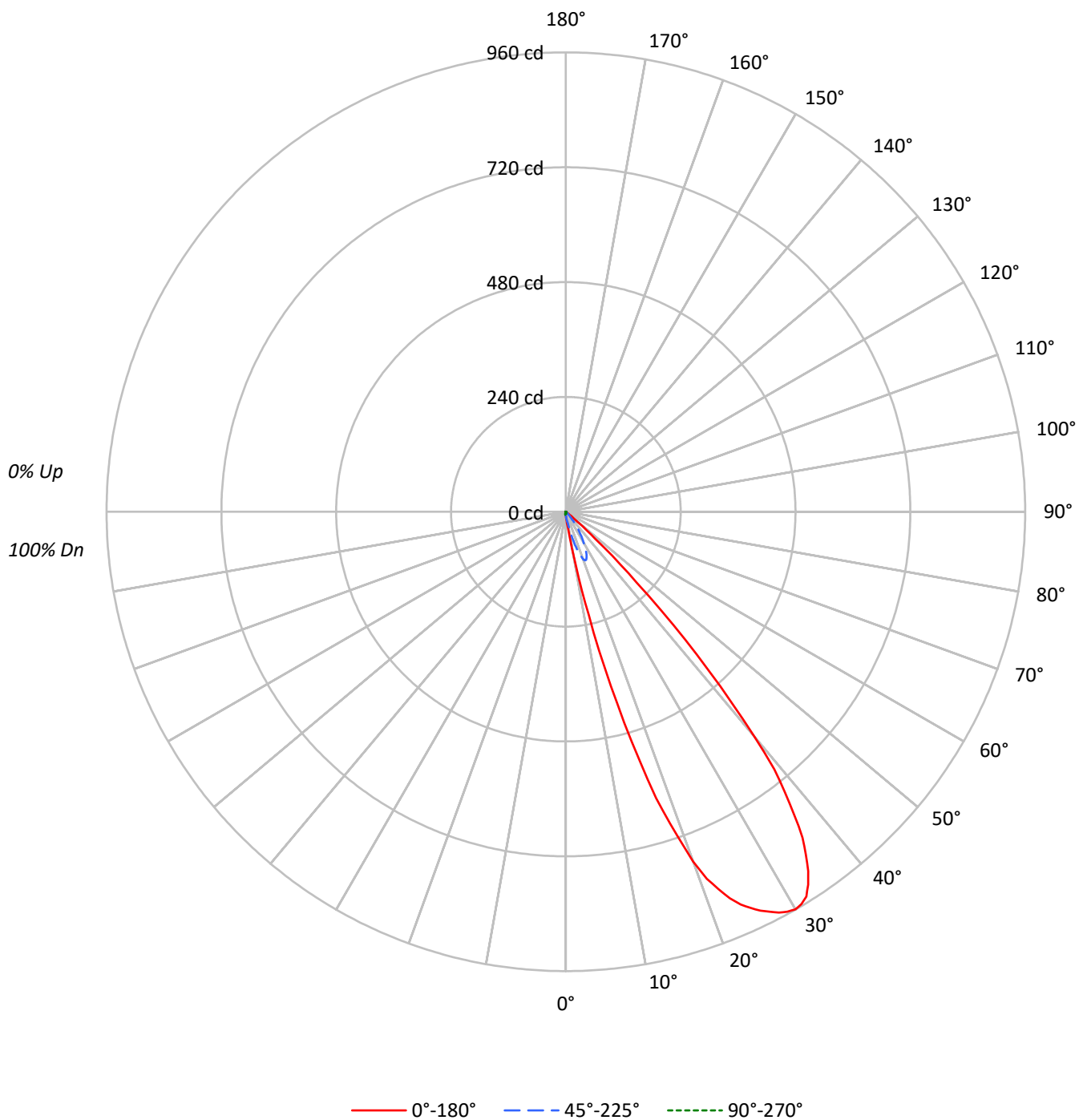
Lumens per Lamp: N/A
Luminaire Lumens: 192.0 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	69	59	52	47	58	52	47	57	51	47	56	50	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°	1798	1798	1798	1798	1798
5°	4534	3346	1695	858	660
10°	19817	5700	1403	401	289
15°	94257	15369	976	159	114
20°	181456	24619	630	47	47
25°	220997	24824	339	0	0
30°	242974	19016	127	0	0
35°	234150	12073	54	0	0
40°	174956	5238	0	0	57
45°	64782	1395	62	62	155
50°	7642	171	136	136	239
55°	765	0	153	191	344
60°	88	0	219	307	395
65°	104	104	363	467	571
70°	128	128	449	449	705
75°	169	169	424	424	593
80°	0	253	631	505	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64782 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.6
10°-20°	22.4	11.7
20°-30°	70.3	36.6
30°-40°	74.0	38.5
40°-50°	21.7	11.3
50°-60°	1.2	0.6
60°-70°	0.6	0.3
70°-80°	0.5	0.2
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°	93.8	48.9
0°-40°	167.8	87.4
0°-60°	190.7	99.3
0°-90°	192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	192.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	21	15	8	4	3	4
15°	415	68	4	1	0	131
25°	913	103	1	0	0	419
35°	875	45	0	0	0	528
45°	209	4	0	0	0	190
55°	2	0	0	0	1	5
65°	0	0	1	1	1	0
75°	0	0	0	0	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°	45°	67.5°	90°	112.5°
0°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
2.5°	12.7	12.9	12.4	12.7	12.4	12.2	12.0	11.1	9.7	8.2	6.8
5°	20.6	20.6	19.7	19.5	19.2	18.5	17.7	15.2	10.9	7.7	5.4
7.5°	32.2	32.1	31.7	30.8	29.0	27.2	25.4	19.9	12.0	7.2	4.1
10°	89.0	87.8	86.2	76.5	65.6	55.9	47.5	25.6	12.9	6.3	3.0
12.5°	221.2	214.1	197.1	177.7	153.0	127.0	101.6	41.7	13.3	5.2	2.1
15°	415.2	400.4	373.9	335.2	284.7	227.9	179.5	67.7	12.9	4.3	1.6
17.5°	627.0	612.7	575.9	517.2	442.8	355.6	270.0	89.7	12.0	3.6	1.1
20°	777.6	762.4	728.0	665.7	585.2	469.0	355.4	105.5	11.3	2.7	0.5
21°	821.7	806.5	770.1	709.9	625.4	508.8	382.8	108.2	10.7	2.3	0.4
22°	849.7	840.7	801.6	743.2	657.1	540.6	406.3	109.5	10.4	2.1	0.4
23°	877.8	864.3	827.8	766.2	681.3	564.3	423.7	108.6	10.0	1.8	0.2
24°	898.6	887.3	844.8	783.9	698.1	578.8	433.9	106.2	9.5	1.6	0.2
25°	913.4	903.0	858.8	795.9	709.4	586.7	437.1	102.6	9.0	1.4	0.2
26°	927.6	916.3	870.4	802.9	715.3	589.2	434.1	98.7	8.4	1.3	0.0
27°	937.8	926.3	878.5	807.0	715.7	586.1	425.8	93.3	7.9	1.1	0.0
28°	948.7	935.5	884.0	809.3	713.5	579.0	414.0	87.6	7.5	0.9	0.0
29°	955.3	942.8	889.8	811.9	709.0	567.0	396.8	80.8	6.6	0.5	0.0
30°	959.6	944.8	889.2	809.2	703.1	554.1	376.2	75.1	5.7	0.5	0.0
31°	956.1	940.5	883.5	801.6	693.6	537.2	355.1	67.9	4.7	0.4	0.0
32°	948.4	929.9	873.5	788.6	676.6	515.6	333.2	62.0	3.4	0.4	0.0
33°	929.5	914.0	855.4	771.0	654.4	486.2	304.7	56.2	2.3	0.2	0.0
34°	905.9	890.3	830.7	747.5	624.7	448.2	270.1	50.3	2.0	0.2	0.0
35°	874.7	859.3	802.7	714.8	585.2	402.5	234.5	45.1	1.6	0.2	0.0
36°	842.0	821.5	767.4	679.8	532.4	350.6	196.3	39.2	1.3	0.2	0.0
37°	793.8	780.0	720.0	626.6	475.3	300.8	168.6	33.9	0.9	0.2	0.0
38°	743.8	731.1	672.5	573.1	411.5	251.5	141.2	28.7	0.7	0.0	0.0
39°	692.2	671.1	613.2	504.5	344.7	210.7	118.8	24.0	0.4	0.0	0.0
40°	611.2	595.1	533.3	422.1	285.2	170.7	101.2	18.3	0.4	0.0	0.0
42.5°	405.2	390.2	325.3	228.9	151.6	99.8	66.8	7.2	0.0	0.2	0.0
45°	208.9	199.4	161.9	119.8	86.0	61.3	43.0	4.5	0.0	0.2	0.2
47.5°	82.9	81.3	73.4	63.4	48.9	36.4	23.5	2.0	0.0	0.2	0.2
50°	22.4	22.6	21.1	19.5	17.7	16.7	9.9	0.5	0.0	0.4	0.2
52.5°	9.5	9.7	9.3	8.8	7.9	5.9	3.9	0.2	0.2	0.4	0.4
55°	2.0	2.1	2.3	2.5	2.9	2.5	1.6	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.0	0.2	0.4	0.5
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.5	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	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	0.5	0.7	0.7
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.5	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	0.5	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	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°	8.2	8.2	8.2
2.5°	5.7	5.2	5.0
5°	3.9	3.4	3.0
7.5°	2.7	2.1	2.0
10°	1.8	1.4	1.3
12.5°	1.3	0.7	0.7
15°	0.7	0.5	0.5
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	0.5
47.5°	0.4	0.5	0.7
50°	0.4	0.7	0.7
52.5°	0.5	0.7	0.9
55°	0.5	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°	0.5	0.7	0.7
77.5°	0.5	0.5	0.7
80°	0.4	0.5	0.5



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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)