

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: P1334685

Luminaire Tested: P3A02R259035DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334685
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: P3A02R259035DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

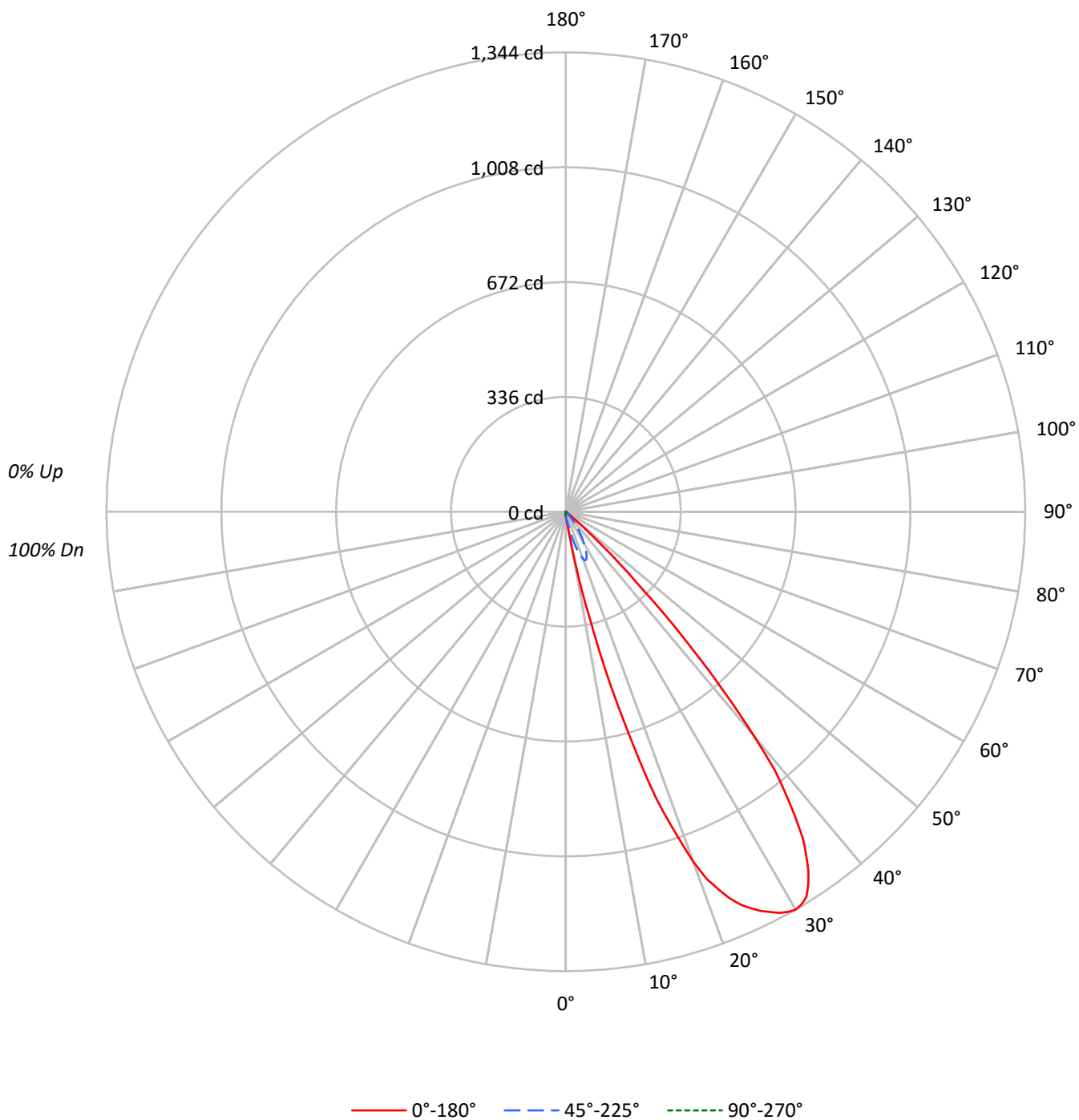
Lumens per Lamp: N/A
Luminaire Lumens: 269.1 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	87	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	69	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2522	2522	2522	2522	2522
5°	6361	4689	2377	1211	947
10°	27766	7994	1959	557	401
15°	132078	21544	1362	227	182
20°	254239	34490	887	70	70
25°	309623	34792	484	0	0
30°	340432	26637	203	0	0
35°	328057	16918	80	0	0
40°	245116	7328	0	0	86
45°	90738	1954	93	93	248
50°	10712	273	171	171	341
55°	1070	0	191	306	497
60°	132	0	351	439	570
65°	156	156	519	675	778
70°	192	192	641	641	962
75°	254	254	678	678	847
80°	0	379	1010	631	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 90738 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.6
10°-20°	31.4	11.7
20°-30°	98.4	36.6
30°-40°	103.6	38.5
40°-50°	30.5	11.3
50°-60°	1.6	0.6
60°-70°	0.8	0.3
70°-80°	0.7	0.3
80°-90°	0.4	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°	131.5	48.9
0°-40°	235.1	87.4
0°-60°	267.2	99.3
0°-90°	269.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	269.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	29	21	11	6	4	5
15°	582	95	6	1	1	183
25°	1280	144	2	0	0	587
35°	1226	63	0	0	0	740
45°	293	6	0	0	1	266
55°	3	0	0	1	1	7
65°	0	0	1	1	2	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°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
2.5°	17.8	18.1	17.3	17.8	17.3	17.1	16.8	15.6	13.6	11.5	9.5
5°	28.9	28.9	27.6	27.4	26.9	25.9	24.8	21.3	15.3	10.8	7.5
7.5°	45.2	44.9	44.4	43.2	40.7	38.1	35.6	27.9	16.8	10.0	5.8
10°	124.7	123.0	120.7	107.2	91.9	78.3	66.5	35.9	18.1	8.8	4.3
12.5°	310.0	299.9	276.1	249.0	214.3	177.9	142.3	58.5	18.6	7.3	3.0
15°	581.8	560.9	523.8	469.6	398.8	319.2	251.5	94.9	18.1	6.0	2.3
17.5°	878.4	858.4	806.9	724.6	620.4	498.2	378.2	125.7	16.8	5.0	1.5
20°	1089.5	1068.2	1020.0	932.6	820.0	657.1	497.9	147.8	15.8	3.8	0.8
21°	1151.2	1129.9	1079.0	994.6	876.2	712.8	536.3	151.6	15.1	3.3	0.5
22°	1190.4	1177.9	1123.1	1041.3	920.6	757.5	569.2	153.3	14.6	3.0	0.5
23°	1229.8	1211.0	1159.8	1073.4	954.5	790.6	593.6	152.1	14.1	2.5	0.3
24°	1258.9	1243.1	1183.6	1098.3	978.1	810.9	607.9	148.8	13.3	2.3	0.3
25°	1279.7	1265.2	1203.2	1115.1	993.9	822.0	612.4	143.8	12.5	2.0	0.3
26°	1299.6	1283.8	1219.5	1124.9	1002.2	825.5	608.1	138.3	11.8	1.8	0.0
27°	1313.9	1297.8	1230.8	1130.7	1002.7	821.2	596.6	130.8	11.0	1.5	0.0
28°	1329.2	1310.6	1238.6	1133.9	999.7	811.2	580.0	122.7	10.5	1.3	0.0
29°	1338.5	1320.9	1246.6	1137.4	993.4	794.4	555.9	113.2	9.3	0.8	0.0
30°	1344.5	1323.7	1245.9	1133.7	985.1	776.3	527.1	105.2	8.0	0.8	0.0
31°	1339.5	1317.6	1237.8	1123.1	971.8	752.7	497.4	95.1	6.5	0.5	0.0
32°	1328.7	1302.8	1223.8	1104.8	948.0	722.3	466.8	86.8	4.8	0.5	0.0
33°	1302.3	1280.5	1198.4	1080.2	916.8	681.2	426.9	78.8	3.3	0.3	0.0
34°	1269.2	1247.4	1163.8	1047.3	875.2	628.0	378.5	70.5	2.8	0.3	0.0
35°	1225.5	1204.0	1124.6	1001.4	820.0	564.0	328.5	63.2	2.3	0.3	0.0
36°	1179.6	1151.0	1075.2	952.5	745.9	491.2	275.1	55.0	1.8	0.3	0.0
37°	1112.1	1092.8	1008.7	877.9	665.9	421.4	236.2	47.4	1.3	0.3	0.0
38°	1042.1	1024.3	942.2	802.9	576.5	352.4	197.8	40.2	1.0	0.0	0.0
39°	969.8	940.2	859.1	706.8	482.9	295.2	166.4	33.6	0.5	0.0	0.0
40°	856.3	833.8	747.2	591.3	399.6	239.2	141.8	25.6	0.5	0.0	0.0
42.5°	567.7	546.6	455.8	320.8	212.3	139.8	93.6	10.0	0.0	0.3	0.0
45°	292.6	279.3	226.9	167.9	120.5	85.8	60.2	6.3	0.0	0.3	0.3
47.5°	116.2	113.9	102.9	88.8	68.5	50.9	32.9	2.8	0.0	0.3	0.3
50°	31.4	31.6	29.6	27.4	24.8	23.3	13.8	0.8	0.0	0.5	0.3
52.5°	13.3	13.6	13.1	12.3	11.0	8.3	5.5	0.3	0.3	0.5	0.5
55°	2.8	3.0	3.3	3.5	4.0	3.5	2.3	0.0	0.3	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.5	0.0	0.3	0.5	0.8
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5	0.8	0.8
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.8	1.0
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	1.0	1.0
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.0	1.0
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.0	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.0	0.8
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.8	0.5



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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	0.3	0.3	0.5	0.8	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.5
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°	11.5	11.5	11.5
2.5°	8.0	7.3	7.0
5°	5.5	4.8	4.3
7.5°	3.8	3.0	2.8
10°	2.5	2.0	1.8
12.5°	1.8	1.0	1.0
15°	1.0	0.8	0.8
17.5°	0.5	0.3	0.3
20°	0.3	0.3	0.3
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	0.3
39°	0.0	0.3	0.3
40°	0.0	0.3	0.3
42.5°	0.0	0.3	0.5
45°	0.3	0.5	0.8
47.5°	0.5	0.8	1.0
50°	0.5	1.0	1.0
52.5°	0.8	1.0	1.3
55°	0.8	1.3	1.3
57.5°	1.0	1.3	1.5
60°	1.0	1.3	1.3
62.5°	1.0	1.5	1.5
65°	1.3	1.5	1.5
67.5°	1.3	1.5	1.5
70°	1.0	1.3	1.5
72.5°	1.0	1.3	1.3
75°	0.8	1.0	1.0
77.5°	0.8	0.8	1.0
80°	0.5	0.8	0.8

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.5	0.5	0.5
85°	0.3	0.3	0.3
87.5°	0.3	0.3	0.3
90°	0.0	0.0	0.0

(END OF REPORT)