

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: P1341014

Luminaire Tested: P3A09R259830DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341014
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: P3A09R259830DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

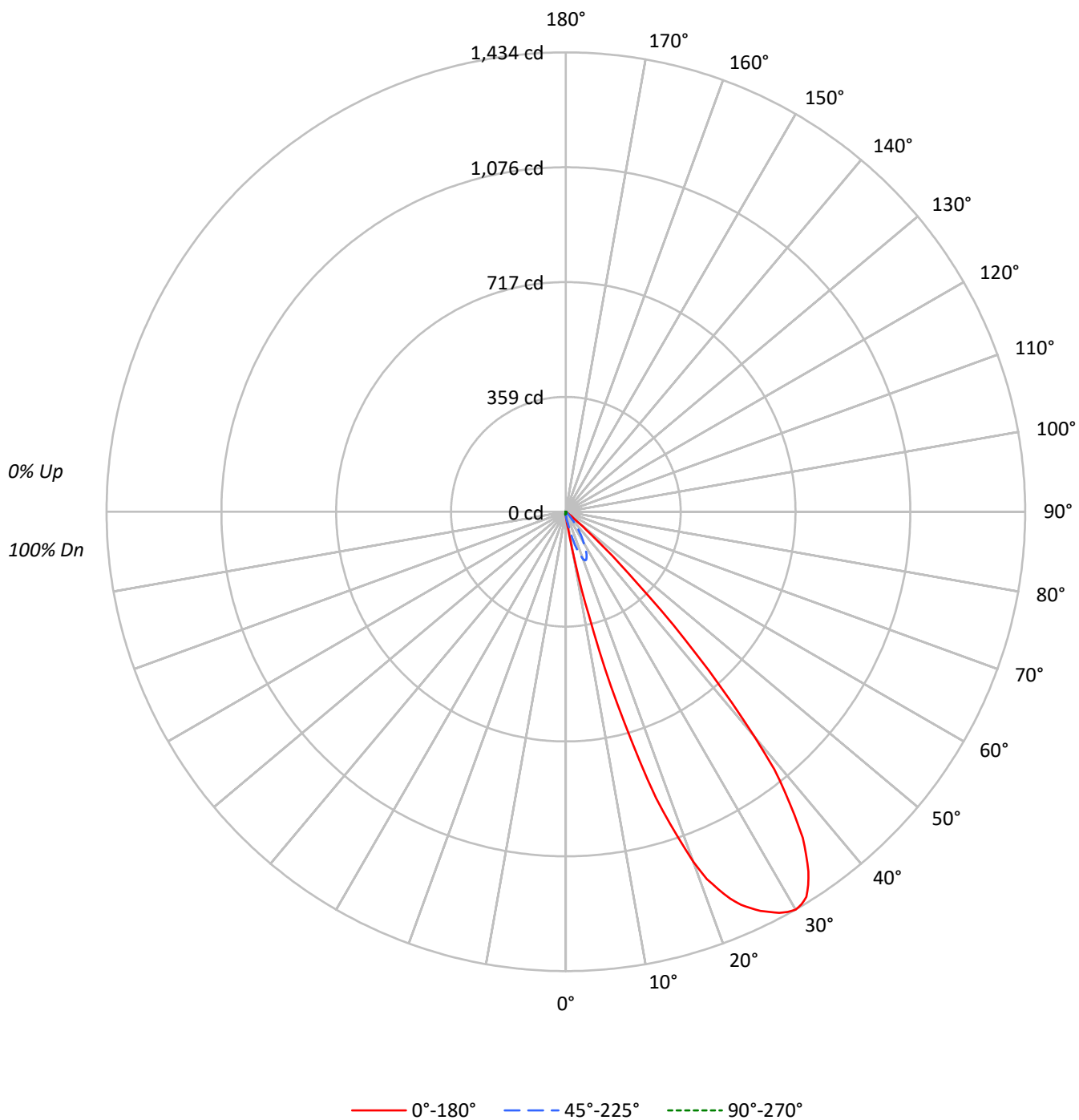
Lumens per Lamp: N/A
Luminaire Lumens: 287.0 lumens
Efficiency: N/A
Efficacy: 26.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	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	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	70	59	52	47	58	52	47		57	51	47		56	51	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°	2697	2697	2697	2697	2697
5°	6780	5019	2531	1299	1013
10°	29637	8528	2093	601	423
15°	140909	22974	1453	250	182
20°	271250	36800	933	70	70
25°	330358	37115	508	0	0
30°	363220	28409	203	0	0
35°	350008	18069	80	0	0
40°	261519	7815	0	0	86
45°	96816	2078	93	93	248
50°	11428	273	171	171	375
55°	1109	0	191	306	497
60°	132	0	351	482	570
65°	156	156	571	675	830
70°	192	192	705	705	1026
75°	254	254	678	678	932
80°	0	379	1010	631	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 96816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.6
10°-20°	33.5	11.7
20°-30°	105.0	36.6
30°-40°	110.6	38.5
40°-50°	32.5	11.3
50°-60°	1.7	0.6
60°-70°	0.9	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°	140.3	48.9
0°-40°	250.8	87.4
0°-60°	285.1	99.3
0°-90°	287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	287.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	31	23	12	6	5	5
15°	621	101	6	1	1	196
25°	1365	153	2	0	0	626
35°	1308	68	0	0	0	789
45°	312	7	0	0	1	284
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°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
2.5°	19.0	19.3	18.5	19.0	18.5	18.2	17.9	16.6	14.5	12.3	10.2
5°	30.8	30.8	29.5	29.2	28.7	27.6	26.5	22.8	16.3	11.5	8.0
7.5°	48.2	47.9	47.4	46.1	43.4	40.7	38.0	29.7	17.9	10.7	6.2
10°	133.1	131.2	128.8	114.3	98.0	83.5	71.0	38.3	19.3	9.4	4.6
12.5°	330.7	320.0	294.6	265.6	228.7	189.9	151.8	62.4	19.8	7.8	3.2
15°	620.7	598.5	558.8	501.0	425.5	340.6	268.3	101.2	19.3	6.4	2.4
17.5°	937.2	915.8	860.9	773.1	661.9	531.5	403.5	134.2	17.9	5.4	1.6
20°	1162.4	1139.6	1088.2	995.1	874.8	701.0	531.3	157.7	16.9	4.0	0.8
21°	1228.3	1205.5	1151.2	1061.2	934.8	760.5	572.2	161.7	16.1	3.5	0.5
22°	1270.1	1256.7	1198.3	1111.0	982.2	808.1	607.3	163.6	15.5	3.2	0.5
23°	1312.1	1292.0	1237.4	1145.3	1018.3	843.5	633.3	162.3	15.0	2.7	0.3
24°	1343.2	1326.3	1262.8	1171.8	1043.5	865.2	648.6	158.8	14.2	2.4	0.3
25°	1365.4	1349.9	1283.7	1189.7	1060.4	877.0	653.4	153.4	13.4	2.1	0.3
26°	1386.5	1369.7	1301.1	1200.2	1069.2	880.7	648.8	147.5	12.6	1.9	0.0
27°	1401.8	1384.7	1313.2	1206.3	1069.8	876.2	636.5	139.5	11.8	1.6	0.0
28°	1418.1	1398.3	1321.5	1209.8	1066.5	865.4	618.8	130.9	11.2	1.3	0.0
29°	1428.0	1409.3	1330.0	1213.6	1059.9	847.5	593.1	120.8	9.9	0.8	0.0
30°	1434.5	1412.2	1329.2	1209.5	1051.0	828.2	562.3	112.2	8.6	0.8	0.0
31°	1429.1	1405.8	1320.7	1198.3	1036.8	803.1	530.7	101.5	7.0	0.5	0.0
32°	1417.6	1390.0	1305.7	1178.7	1011.4	770.7	498.1	92.7	5.1	0.5	0.0
33°	1389.5	1366.2	1278.6	1152.5	978.2	726.7	455.5	84.1	3.5	0.3	0.0
34°	1354.1	1330.8	1241.7	1117.4	933.7	670.0	403.8	75.2	2.9	0.3	0.0
35°	1307.5	1284.5	1199.9	1068.4	874.8	601.7	350.5	67.5	2.4	0.3	0.0
36°	1258.5	1228.0	1147.1	1016.2	795.8	524.0	293.5	58.6	1.9	0.3	0.0
37°	1186.5	1165.9	1076.2	936.7	710.4	449.6	252.0	50.6	1.3	0.3	0.0
38°	1111.8	1092.8	1005.2	856.6	615.1	376.0	211.0	42.8	1.1	0.0	0.0
39°	1034.7	1003.1	916.6	754.1	515.2	314.9	177.5	35.9	0.5	0.0	0.0
40°	913.6	889.5	797.2	630.9	426.3	255.2	151.3	27.3	0.5	0.0	0.0
42.5°	605.7	583.2	486.3	342.2	226.5	149.2	99.9	10.7	0.0	0.3	0.0
45°	312.2	298.0	242.1	179.1	128.5	91.6	64.3	6.7	0.0	0.3	0.3
47.5°	124.0	121.6	109.8	94.8	73.1	54.4	35.1	2.9	0.0	0.3	0.3
50°	33.5	33.7	31.6	29.2	26.5	24.9	14.7	0.8	0.0	0.5	0.3
52.5°	14.2	14.5	13.9	13.1	11.8	8.8	5.9	0.3	0.3	0.5	0.5
55°	2.9	3.2	3.5	3.7	4.3	3.7	2.4	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	1.1
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	1.1	1.1
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	1.1
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	1.1
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	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°	12.3	12.3	12.3
2.5°	8.6	7.8	7.5
5°	5.9	5.1	4.6
7.5°	4.0	3.2	2.9
10°	2.7	2.1	1.9
12.5°	1.9	1.1	1.1
15°	1.1	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	1.1
50°	0.5	1.1	1.1
52.5°	0.8	1.1	1.3
55°	0.8	1.3	1.3
57.5°	1.1	1.3	1.6
60°	1.1	1.3	1.3
62.5°	1.1	1.6	1.6
65°	1.3	1.6	1.6
67.5°	1.3	1.6	1.6
70°	1.1	1.3	1.6
72.5°	1.1	1.3	1.3
75°	0.8	1.1	1.1
77.5°	0.8	0.8	1.1
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)