

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: P1340860

Luminaire Tested: P3A09R259030D2WDE010 E3A301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1340860
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: P3A09R259030D2WDE010 E3A301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
E3A301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

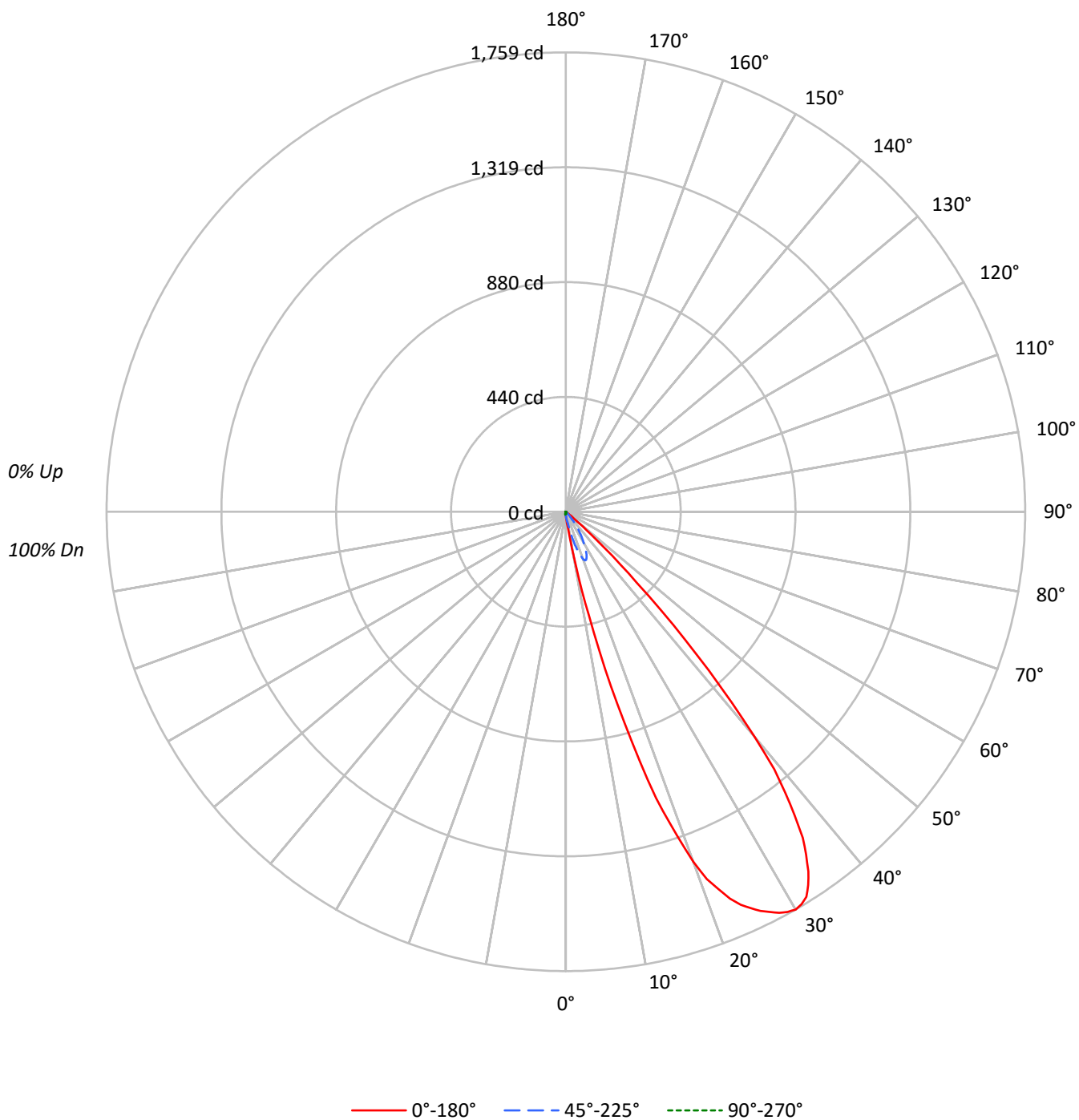
Lumens per Lamp: N/A
Luminaire Lumens: 352.0 lumens
Efficiency: N/A
Efficacy: 23.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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	50	30	10
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°	3311	3311	3311	3311	3311
5°	8320	6141	3104	1585	1233
10°	36339	10465	2561	735	512
15°	172827	28173	1793	295	227
20°	332692	45131	1143	70	70
25°	405169	45535	629	0	0
30°	445461	34841	253	0	0
35°	429298	22165	80	0	0
40°	320772	9589	0	0	86
45°	118741	2543	93	93	310
50°	14021	341	239	239	443
55°	1376	0	268	382	612
60°	132	0	439	570	702
65°	156	156	675	830	1038
70°	192	192	833	833	1282
75°	254	254	847	847	1101
80°	0	379	1263	884	1263
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 118741 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.6
10°-20°	41.0	11.7
20°-30°	128.8	36.6
30°-40°	135.6	38.5
40°-50°	39.8	11.3
50°-60°	2.1	0.6
60°-70°	1.0	0.3
70°-80°	0.9	0.3
80°-90°	0.5	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°	172.0	48.9
0°-40°	307.6	87.4
0°-60°	349.6	99.3
0°-90°	352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	352.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	38	28	14	7	6	7
15°	761	124	8	1	1	240
25°	1675	188	3	0	0	768
35°	1604	83	0	0	0	968
45°	383	8	0	0	1	348
55°	4	0	1	1	2	9
65°	0	0	1	2	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°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
2.5°	23.3	23.6	22.7	23.3	22.7	22.3	22.0	20.4	17.7	15.1	12.5
5°	37.8	37.8	36.1	35.8	35.1	33.8	32.5	27.9	20.0	14.1	9.9
7.5°	59.1	58.8	58.1	56.5	53.2	49.9	46.6	36.5	22.0	13.1	7.6
10°	163.2	160.9	158.0	140.2	120.2	102.5	87.0	47.0	23.6	11.5	5.6
12.5°	405.6	392.5	361.3	325.8	280.5	232.9	186.2	76.5	24.3	9.5	3.9
15°	761.3	734.0	685.4	614.5	521.9	417.8	329.1	124.1	23.6	7.9	3.0
17.5°	1149.5	1123.2	1055.9	948.1	811.9	651.9	494.9	164.5	22.0	6.6	2.0
20°	1425.7	1397.8	1334.7	1220.4	1072.9	859.8	651.6	193.4	20.7	4.9	1.0
21°	1506.5	1478.5	1411.9	1301.5	1146.5	932.7	701.8	198.4	19.7	4.3	0.7
22°	1557.7	1541.3	1469.7	1362.6	1204.6	991.2	744.9	200.7	19.0	3.9	0.7
23°	1609.3	1584.6	1517.6	1404.7	1249.0	1034.5	776.7	199.0	18.4	3.3	0.3
24°	1647.4	1626.7	1548.8	1437.2	1279.9	1061.1	795.4	194.8	17.4	3.0	0.3
25°	1674.6	1655.6	1574.4	1459.2	1300.5	1075.6	801.3	188.2	16.4	2.6	0.3
26°	1700.6	1679.9	1595.8	1472.0	1311.4	1080.2	795.8	181.0	15.4	2.3	0.0
27°	1719.3	1698.3	1610.6	1479.5	1312.0	1074.6	780.7	171.1	14.5	2.0	0.0
28°	1739.3	1715.0	1620.8	1483.8	1308.1	1061.5	759.0	160.6	13.8	1.6	0.0
29°	1751.5	1728.5	1631.3	1488.4	1299.9	1039.5	727.5	148.1	12.2	1.0	0.0
30°	1759.3	1732.1	1630.3	1483.5	1289.1	1015.8	689.7	137.6	10.5	1.0	0.0
31°	1752.8	1724.2	1619.8	1469.7	1271.6	984.9	650.9	124.5	8.5	0.7	0.0
32°	1738.7	1704.8	1601.4	1445.7	1240.4	945.2	610.9	113.6	6.2	0.7	0.0
33°	1704.2	1675.6	1568.2	1413.5	1199.7	891.3	558.6	103.1	4.3	0.3	0.0
34°	1660.8	1632.2	1522.9	1370.5	1145.2	821.7	495.3	92.3	3.6	0.3	0.0
35°	1603.7	1575.4	1471.7	1310.4	1072.9	738.0	429.9	82.8	3.0	0.3	0.0
36°	1543.6	1506.1	1407.0	1246.4	976.1	642.7	359.9	71.9	2.3	0.3	0.0
37°	1455.2	1429.9	1319.9	1148.8	871.3	551.4	309.0	62.1	1.6	0.3	0.0
38°	1363.6	1340.3	1232.9	1050.6	754.4	461.1	258.8	52.5	1.3	0.0	0.0
39°	1269.0	1230.3	1124.2	924.8	631.9	386.2	217.7	44.0	0.7	0.0	0.0
40°	1120.6	1091.0	977.7	773.8	522.8	313.0	185.6	33.5	0.7	0.0	0.0
42.5°	742.9	715.3	596.4	419.7	277.8	182.9	122.5	13.1	0.0	0.3	0.0
45°	382.9	365.5	296.9	219.7	157.6	112.3	78.8	8.2	0.0	0.3	0.3
47.5°	152.1	149.1	134.7	116.3	89.7	66.7	43.0	3.6	0.0	0.3	0.3
50°	41.1	41.4	38.8	35.8	32.5	30.5	18.1	1.0	0.0	0.7	0.3
52.5°	17.4	17.7	17.1	16.1	14.5	10.8	7.2	0.3	0.3	0.7	0.7
55°	3.6	3.9	4.3	4.6	5.3	4.6	3.0	0.0	0.3	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.0	1.0	0.7	0.0	0.3	0.7	1.0
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.7	1.0	1.0
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0	1.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.3	1.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.3	1.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.3	1.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.3	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7	1.0	0.7



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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	0.7	1.0	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.7
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°	15.1	15.1	15.1
2.5°	10.5	9.5	9.2
5°	7.2	6.2	5.6
7.5°	4.9	3.9	3.6
10°	3.3	2.6	2.3
12.5°	2.3	1.3	1.3
15°	1.3	1.0	1.0
17.5°	0.7	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	0.7
45°	0.3	0.7	1.0
47.5°	0.7	1.0	1.3
50°	0.7	1.3	1.3
52.5°	1.0	1.3	1.6
55°	1.0	1.6	1.6
57.5°	1.3	1.6	2.0
60°	1.3	1.6	1.6
62.5°	1.3	2.0	2.0
65°	1.6	2.0	2.0
67.5°	1.6	2.0	2.0
70°	1.3	1.6	2.0
72.5°	1.3	1.6	1.6
75°	1.0	1.3	1.3
77.5°	1.0	1.0	1.3
80°	0.7	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
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)