

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: P1341369

Luminaire Tested: P3A09R309030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R309030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

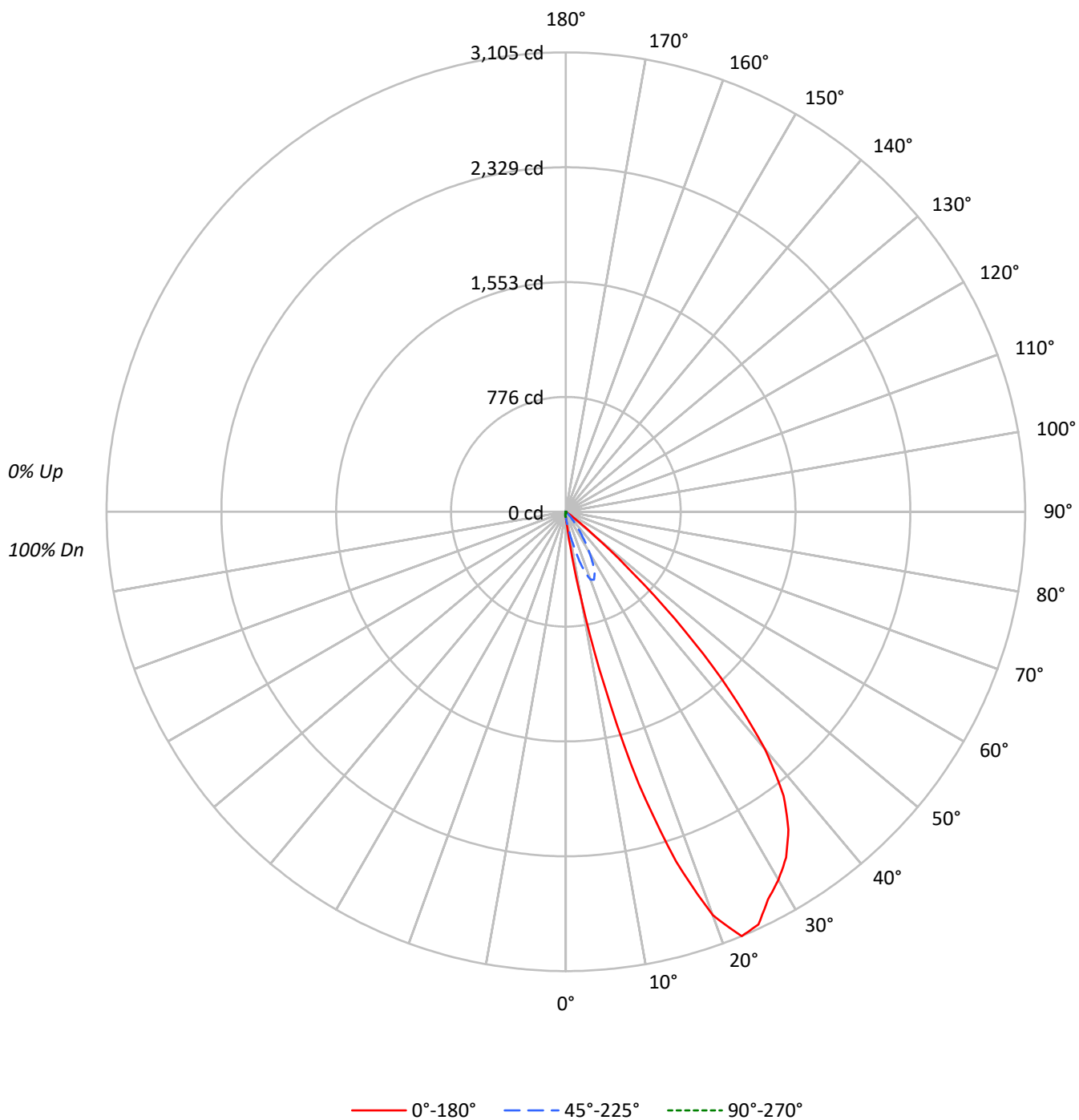
Lumens per Lamp: N/A
Luminaire Lumens: 732.0 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	88	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	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	43	65	55	48	43	53	47	43		52	47	43		52
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7631	7631	7631	7631	7631
5°	22958	15320	7220	3236	2641
10°	132997	32464	5656	1492	1047
15°	432602	73644	3950	295	159
20°	676936	113947	2497	0	0
25°	744769	111345	1307	0	0
30°	727403	80266	506	0	0
35°	702077	45668	187	0	0
40°	598722	19351	0	0	0
45°	351385	7257	217	0	217
50°	85353	1365	239	239	682
55°	7417	0	497	765	1032
60°	307	0	570	877	1447
65°	363	363	1038	1038	1712
70°	449	449	1282	1282	1731
75°	0	593	1694	1694	1694
80°	0	884	2526	1642	1642
85°	0	1761	5032	1761	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 351385 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.9
10°-20°	100.6	13.7
20°-30°	255.7	34.9
30°-40°	254.8	34.8
40°-50°	103.2	14.1
50°-60°	7.1	1.0
60°-70°	1.6	0.2
70°-80°	1.6	0.2
80°-90°	0.9	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°	362.7	49.5
0°-40°	617.5	84.4
0°-60°	727.9	99.4
0°-90°	732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	104	70	33	15	12	24
15°	1906	324	17	1	1	555
25°	3078	460	5	0	0	1390
35°	2623	171	1	0	0	1608
45°	1133	23	1	0	1	864
55°	19	0	1	2	3	51
65°	1	1	2	2	3	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
2.5°	57.5	58.2	58.2	56.9	56.2	56.2	54.2	53.5	51.5	49.5	42.8
5°	104.3	102.3	99.7	99.7	93.6	90.3	85.6	80.3	76.3	69.6	49.5
7.5°	236.8	220.7	216.0	210.0	187.3	169.2	148.5	130.4	113.7	99.7	54.8
10°	597.3	565.9	539.8	486.9	420.7	357.2	298.3	230.1	183.3	145.8	58.9
12.5°	1203.3	1161.2	1111.0	1014.7	890.9	732.4	592.0	442.1	310.4	214.7	60.2
15°	1905.6	1834.1	1755.8	1633.4	1430.7	1203.3	949.8	711.0	498.3	324.4	58.9
17.5°	2478.2	2450.1	2334.4	2167.2	1919.0	1626.0	1313.7	987.3	672.2	424.7	54.8
20°	2900.9	2881.5	2741.7	2563.8	2284.2	1948.4	1551.8	1159.8	793.3	488.3	48.8
22.5°	3104.9	3101.6	3000.6	2818.7	2522.3	2141.8	1705.0	1259.5	830.7	497.0	40.8
25°	3078.2	3090.2	3032.7	2897.6	2613.3	2221.4	1750.5	1259.5	803.3	460.2	34.1
27.5°	2956.5	2964.5	2928.4	2824.7	2559.8	2163.8	1686.9	1178.6	723.7	395.3	28.1
30°	2872.8	2876.2	2831.4	2720.3	2439.4	2032.7	1537.1	1028.7	603.3	317.0	20.7
32.5°	2771.2	2770.5	2718.3	2591.2	2281.6	1848.8	1347.1	850.1	463.5	240.8	12.0
35°	2622.7	2606.0	2535.1	2388.6	2046.1	1601.3	1104.3	647.5	333.8	170.6	7.4
37.5°	2418.7	2375.2	2274.9	2078.9	1715.7	1255.5	818.7	454.8	228.1	113.0	4.7
40°	2091.6	2045.4	1909.0	1670.9	1297.6	903.7	551.8	296.3	143.8	67.6	2.7
42.5°	1640.1	1608.7	1424.7	1187.3	856.8	576.6	331.8	175.2	80.9	38.8	0.7
45°	1133.1	1092.3	947.8	746.5	514.4	319.7	185.9	91.6	46.2	23.4	0.0
47.5°	625.4	575.2	491.6	386.6	258.9	167.9	93.6	49.5	26.1	11.4	0.0
50°	250.2	248.2	197.3	140.5	99.0	76.3	46.8	26.8	13.4	4.0	0.7
52.5°	87.6	87.6	75.6	61.5	48.2	34.8	23.4	12.7	4.7	1.3	0.7
55°	19.4	21.4	20.1	18.7	18.1	15.4	10.0	4.7	1.3	0.0	0.7
57.5°	2.0	2.0	2.0	2.7	3.3	3.3	2.7	1.3	0.0	0.0	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.3
62.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	1.3
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
75°	0.0	0.0	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	2.0
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3
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):

	90°	112.5°	135°	157.5°	180°
0°	34.8	34.8	34.8	34.8	34.8
2.5°	34.8	27.4	22.7	20.1	19.4
5°	32.8	20.7	14.7	12.7	12.0
7.5°	29.4	15.4	10.0	8.0	7.4
10°	25.4	11.4	6.7	4.7	4.7
12.5°	21.4	8.7	4.0	2.0	1.3
15°	17.4	5.4	1.3	0.7	0.7
17.5°	13.4	3.3	0.0	0.0	0.0
20°	10.7	1.3	0.0	0.0	0.0
22.5°	8.0	0.7	0.0	0.0	0.0
25°	5.4	0.0	0.0	0.0	0.0
27.5°	3.3	0.0	0.0	0.0	0.0
30°	2.0	0.0	0.0	0.0	0.0
32.5°	0.7	0.0	0.0	0.0	0.0
35°	0.7	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.7	0.0	0.0	0.7	0.7
47.5°	0.7	0.7	0.7	1.3	1.3
50°	0.7	0.7	0.7	1.3	2.0
52.5°	1.3	0.7	1.3	2.0	2.0
55°	1.3	1.3	2.0	2.7	2.7
57.5°	1.3	1.3	2.0	2.7	2.7
60°	1.3	1.3	2.0	2.7	3.3
62.5°	2.0	2.0	2.0	2.7	2.7
65°	2.0	2.0	2.0	2.7	3.3
67.5°	2.0	2.0	2.0	2.7	3.3
70°	2.0	2.0	2.0	2.7	2.7
72.5°	2.7	2.0	2.0	2.7	2.7
75°	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	1.3	2.0	2.0
80°	2.0	1.3	1.3	1.3	1.3
82.5°	2.0	1.3	1.3	1.3	1.3
85°	2.0	1.3	0.7	0.7	0.7
87.5°	2.0	1.3	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)