

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: P1345872

Luminaire Tested: P3A13R35W2N902765DE010 E3CA301MW_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R35W2N902765DE010 E3CA301MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

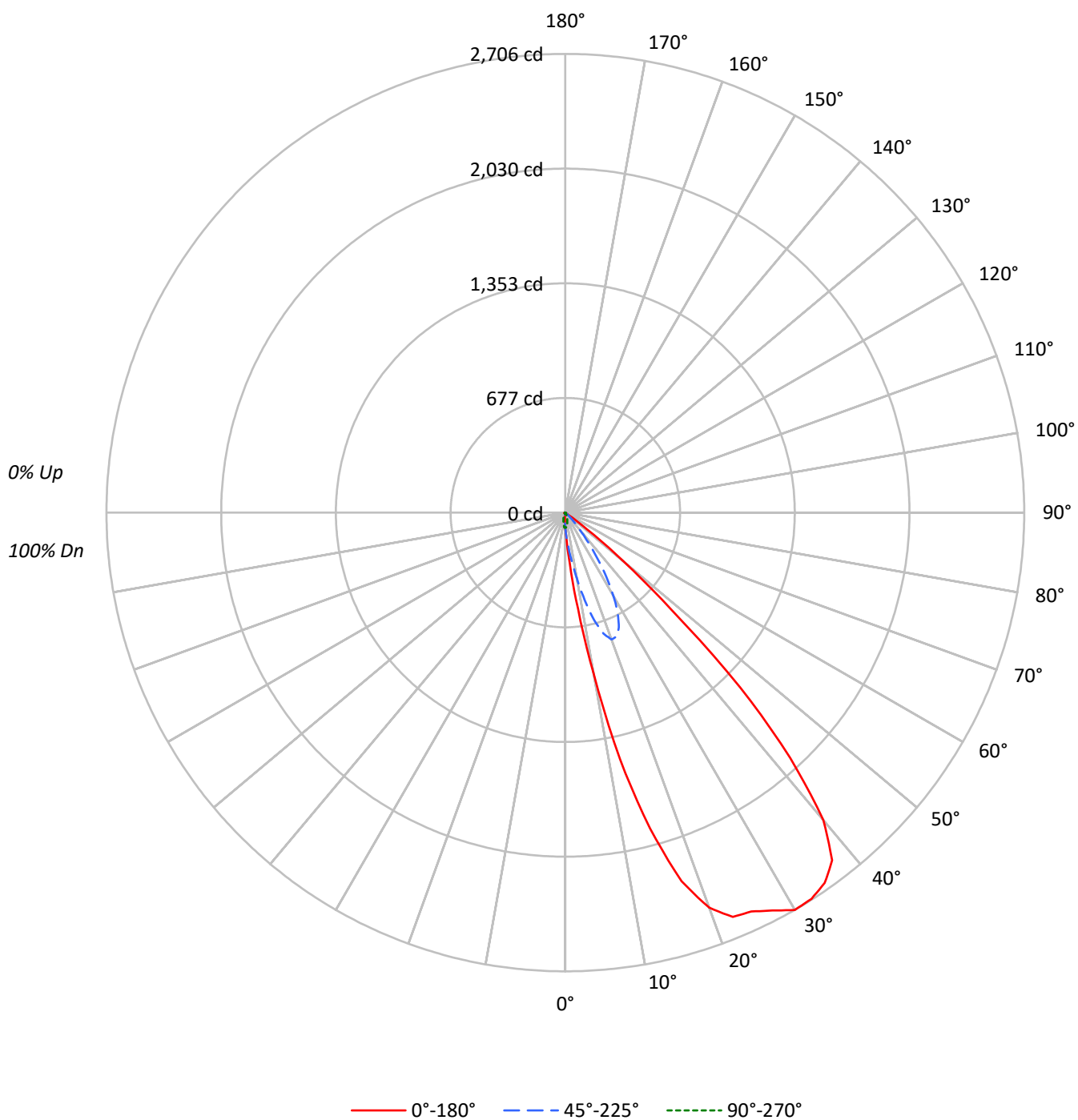
Lumens per Lamp: N/A
Luminaire Lumens: 851.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19604	19604	19604	19604	19604
5°	66762	43385	18336	7726	5723
10°	214826	87930	14451	2895	1870
15°	437710	149150	10238	1044	704
20°	578810	185749	6604	350	350
25°	628052	180567	3702	194	363
30°	685118	143896	1545	203	380
35°	713882	89570	402	214	402
40°	677441	39130	229	429	658
45°	452233	15630	248	713	1178
50°	151671	2593	512	1058	1569
55°	8487	306	573	1453	2026
60°	658	351	1009	1667	2324
65°	778	415	1193	1972	2750
70°	513	513	1475	2436	2949
75°	678	678	1949	2626	3219
80°	0	1010	2904	2904	2904
85°	0	2013	5787	2013	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 452233 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	1.8
10°-20°	122.2	14.4
20°-30°	258.0	30.3
30°-40°	292.7	34.4
40°-50°	144.1	16.9
50°-60°	12.5	1.5
60°-70°	2.5	0.3
70°-80°	2.4	0.3
80°-90°	1.2	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°	395.7	46.5
0°-40°	688.4	80.9
0°-60°	844.9	99.3
0°-90°	851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	851.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	89	89	89	89	89	
5°	303	197	83	35	26	50
15°	1928	657	45	5	3	548
25°	2596	746	15	1	2	1208
35°	2667	335	2	1	2	1644
45°	1458	50	1	2	4	1077
55°	22	1	2	4	5	87
65°	2	1	2	4	5	1
75°	1	1	2	3	4	1
85°	0	1	2	1	2	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°	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
2.5°	155.1	158.9	157.4	156.6	155.8	152.8	145.9	145.1	138.3	133.7	110.8
5°	303.3	297.2	298.7	290.3	279.6	264.3	254.4	233.0	215.4	197.1	129.1
7.5°	571.4	563.0	547.0	522.5	497.3	464.5	414.8	375.1	329.2	285.7	143.6
10°	964.8	960.2	939.6	877.0	822.0	734.1	651.6	564.5	479.0	394.9	153.5
12.5°	1490.4	1459.1	1421.6	1338.4	1229.9	1119.9	957.2	806.7	670.0	529.4	154.3
15°	1928.1	1908.2	1855.5	1747.1	1616.4	1457.5	1264.3	1061.8	855.6	657.0	146.7
17.5°	2280.3	2249.7	2181.7	2075.5	1925.1	1718.8	1492.7	1245.9	994.6	747.9	133.7
20°	2480.4	2464.4	2412.4	2306.2	2142.0	1916.7	1659.2	1372.0	1081.7	796.0	116.9
22.5°	2581.3	2569.8	2531.6	2446.8	2293.3	2066.4	1771.5	1437.7	1106.9	790.6	99.3
25°	2595.8	2592.7	2559.9	2495.7	2367.4	2142.8	1820.4	1449.9	1086.3	746.3	82.5
27.5°	2646.2	2635.5	2596.5	2532.4	2403.3	2155.8	1803.6	1407.9	1019.8	668.4	68.8
30°	2705.8	2698.1	2659.2	2592.7	2439.9	2143.5	1744.0	1314.7	913.6	568.3	51.2
32.5°	2701.2	2698.1	2665.3	2595.0	2414.0	2071.7	1637.8	1174.9	769.3	448.4	32.1
35°	2666.8	2656.1	2614.9	2506.4	2265.8	1886.9	1436.2	985.4	608.8	334.6	20.6
37.5°	2584.3	2561.4	2491.9	2307.8	2000.7	1601.9	1169.5	760.9	430.8	223.8	13.0
40°	2366.6	2337.6	2197.8	1975.5	1653.9	1262.0	870.1	523.3	284.2	136.7	5.3
42.5°	1963.3	1904.4	1764.6	1536.2	1234.5	892.2	571.4	339.2	167.3	82.5	1.5
45°	1458.3	1413.2	1266.6	1059.5	809.0	572.2	346.1	183.3	92.4	50.4	0.8
47.5°	849.5	822.0	746.3	610.4	446.9	300.2	177.2	98.5	54.2	24.4	0.8
50°	444.6	410.2	352.9	267.4	197.1	138.3	86.3	52.7	26.7	7.6	0.8
52.5°	155.8	153.5	139.8	105.4	85.6	61.9	42.0	22.9	7.6	1.5	0.8
55°	22.2	22.2	20.6	22.9	24.4	22.2	14.5	6.1	1.5	0.8	0.8
57.5°	1.5	1.5	1.5	2.3	3.1	3.1	2.3	0.8	0.8	0.8	1.5
60°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
62.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
65°	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
77.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
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):

	90°	112.5°	135°	157.5°	180°
0°	89.4	89.4	89.4	89.4	89.4
2.5°	88.6	71.0	56.5	49.7	47.4
5°	83.3	53.5	35.1	27.5	26.0
7.5°	74.1	38.2	21.4	15.3	14.5
10°	64.9	27.5	13.0	9.2	8.4
12.5°	54.2	19.1	8.4	5.3	4.6
15°	45.1	13.0	4.6	3.8	3.1
17.5°	35.9	8.4	3.1	2.3	3.1
20°	28.3	5.3	1.5	1.5	1.5
22.5°	21.4	3.1	1.5	1.5	1.5
25°	15.3	1.5	0.8	0.8	1.5
27.5°	10.7	0.8	0.8	0.8	1.5
30°	6.1	0.8	0.8	0.8	1.5
32.5°	3.1	0.8	0.8	1.5	1.5
35°	1.5	0.8	0.8	1.5	1.5
37.5°	0.8	0.8	0.8	1.5	2.3
40°	0.8	0.8	1.5	2.3	2.3
42.5°	0.8	0.8	1.5	2.3	3.1
45°	0.8	1.5	2.3	3.1	3.8
47.5°	1.5	1.5	3.1	3.8	4.6
50°	1.5	2.3	3.1	4.6	4.6
52.5°	1.5	2.3	3.8	4.6	5.3
55°	1.5	3.1	3.8	5.3	5.3
57.5°	2.3	3.1	3.8	5.3	5.3
60°	2.3	3.1	3.8	5.3	5.3
62.5°	2.3	3.1	3.8	5.3	5.3
65°	2.3	3.1	3.8	5.3	5.3
67.5°	2.3	3.1	3.8	4.6	5.3
70°	2.3	3.1	3.8	4.6	4.6
72.5°	3.1	3.1	3.8	4.6	4.6
75°	2.3	3.1	3.1	3.8	3.8
77.5°	2.3	2.3	2.3	3.1	3.1
80°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	1.5	1.5	2.3	2.3
85°	2.3	1.5	0.8	1.5	1.5
87.5°	1.5	1.5	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)