

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: P1345268

Luminaire Tested: P3A13R30W2N902750DE010 E3CA301MW_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345268
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: P3A13R30W2N902750DE010 E3CA301MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

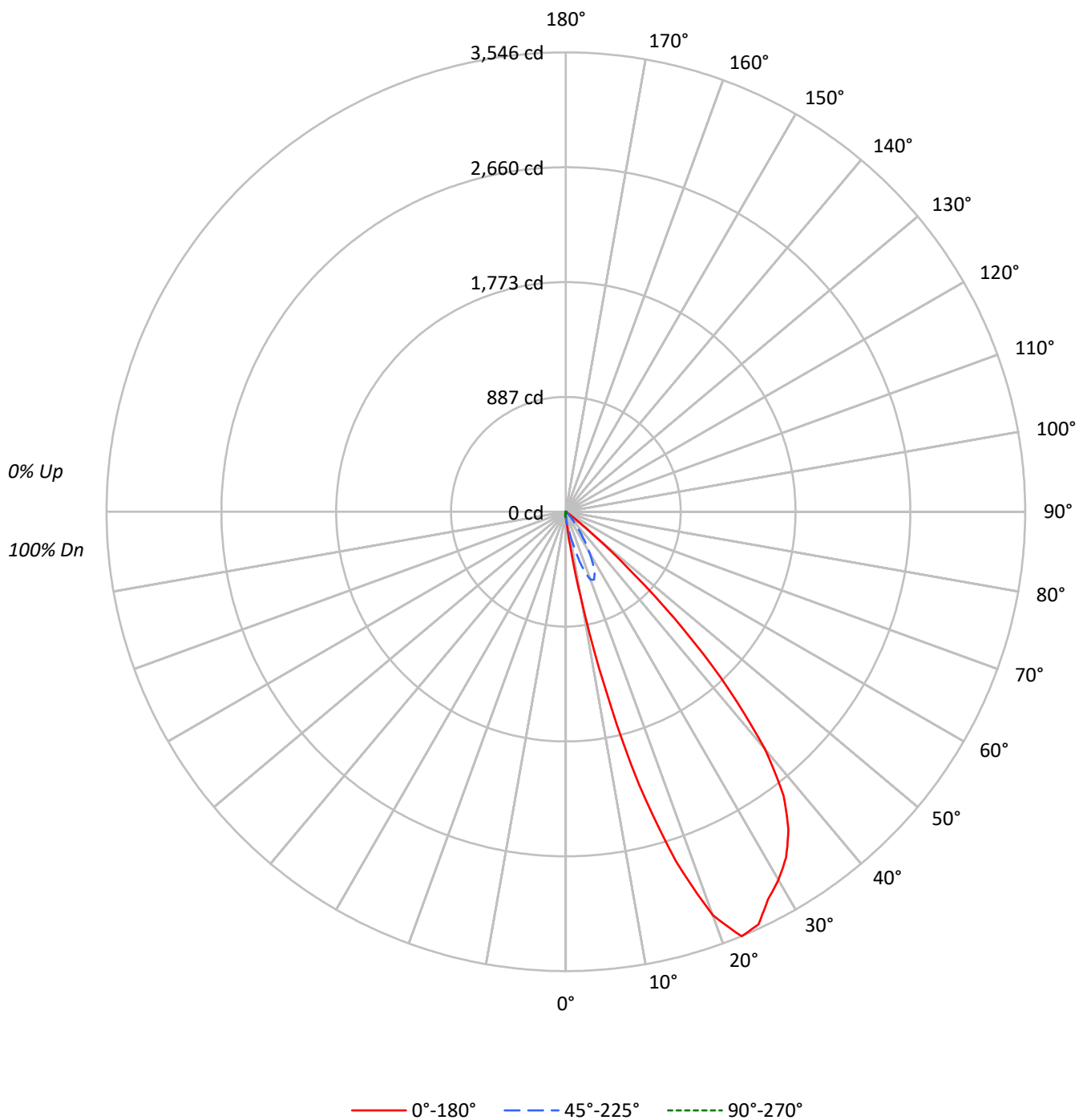
Lumens per Lamp: N/A
Luminaire Lumens: 836.0 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	87	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8705	8705	8705	8705	8705
5°	26238	17477	8232	3698	3038
10°	151901	37073	6457	1692	1180
15°	494078	84109	4518	341	182
20°	773124	130141	2847	0	0
25°	850573	127169	1476	0	0
30°	830761	91685	582	0	0
35°	801819	52146	214	0	0
40°	683795	22099	0	0	0
45°	401313	8280	248	0	248
50°	97464	1569	273	273	785
55°	8487	0	573	879	1185
60°	351	0	658	1009	1667
65°	415	415	1193	1193	1972
70°	513	513	1475	1475	1988
75°	0	678	1949	1949	1949
80°	0	1010	2904	1894	1894
85°	0	2013	5787	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 401313 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.9
10°-20°	114.9	13.7
20°-30°	292.0	34.9
30°-40°	291.0	34.8
40°-50°	117.9	14.1
50°-60°	8.2	1.0
60°-70°	1.9	0.2
70°-80°	1.9	0.2
80°-90°	1.1	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°	414.2	49.5
0°-40°	705.2	84.4
0°-60°	831.3	99.4
0°-90°	836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	119	79	37	17	14	28
15°	2176	370	20	2	1	633
25°	3516	526	6	0	0	1587
35°	2995	195	1	0	0	1836
45°	1294	27	1	0	1	987
55°	22	0	2	2	3	58
65°	1	1	2	2	4	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°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2.5°	65.7	66.5	66.5	64.9	64.2	64.2	61.9	61.1	58.8	56.5	48.9
5°	119.2	116.9	113.8	113.8	106.9	103.1	97.8	91.7	87.1	79.4	56.5
7.5°	270.4	252.1	246.7	239.9	213.9	193.3	169.6	149.0	129.9	113.8	62.6
10°	682.2	646.3	616.5	556.1	480.5	407.9	340.7	262.8	209.3	166.5	67.2
12.5°	1374.3	1326.2	1268.9	1158.9	1017.5	836.5	676.1	504.9	354.5	245.2	68.8
15°	2176.4	2094.6	2005.3	1865.5	1634.0	1374.3	1084.8	812.0	569.1	370.5	67.2
17.5°	2830.3	2798.2	2666.1	2475.1	2191.7	1857.1	1500.3	1127.5	767.7	485.1	62.6
20°	3313.1	3290.9	3131.3	2928.1	2608.8	2225.3	1772.3	1324.6	906.0	557.7	55.8
22.5°	3546.1	3542.3	3426.9	3219.1	2880.7	2446.0	1947.2	1438.4	948.8	567.6	46.6
25°	3515.5	3529.3	3463.6	3309.3	2984.6	2537.0	1999.2	1438.4	917.5	525.6	39.0
27.5°	3376.5	3385.7	3344.4	3226.0	2923.5	2471.3	1926.6	1346.0	826.6	451.5	32.1
30°	3281.0	3284.8	3233.6	3106.8	2786.0	2321.5	1755.5	1174.9	689.0	362.1	23.7
32.5°	3164.9	3164.1	3104.5	2959.4	2605.7	2111.5	1538.5	970.9	529.4	275.0	13.8
35°	2995.3	2976.2	2895.2	2727.9	2336.8	1828.8	1261.2	739.5	381.2	194.8	8.4
37.5°	2762.3	2712.7	2598.1	2374.2	1959.4	1433.9	935.0	519.5	260.5	129.1	5.3
40°	2388.8	2336.0	2180.2	1908.3	1482.0	1032.0	630.2	338.4	164.2	77.2	3.1
42.5°	1873.1	1837.2	1627.1	1355.9	978.6	658.5	378.9	200.1	92.4	44.3	0.8
45°	1294.1	1247.5	1082.5	852.5	587.4	365.2	212.4	104.7	52.7	26.7	0.0
47.5°	714.3	657.0	561.5	441.5	295.6	191.7	106.9	56.5	29.8	13.0	0.0
50°	285.7	283.4	225.4	160.4	113.1	87.1	53.5	30.6	15.3	4.6	0.8
52.5°	100.1	100.1	86.3	70.3	55.0	39.7	26.7	14.5	5.3	1.5	0.8
55°	22.2	24.4	22.9	21.4	20.6	17.6	11.5	5.3	1.5	0.0	0.8
57.5°	2.3	2.3	2.3	3.1	3.8	3.8	3.1	1.5	0.0	0.0	0.8
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.5
62.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	1.5
65°	0.8	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°	0.0	0.0	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	2.3
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	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	0.0	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°	39.7	39.7	39.7	39.7	39.7
2.5°	39.7	31.3	26.0	22.9	22.2
5°	37.4	23.7	16.8	14.5	13.8
7.5°	33.6	17.6	11.5	9.2	8.4
10°	29.0	13.0	7.6	5.3	5.3
12.5°	24.4	9.9	4.6	2.3	1.5
15°	19.9	6.1	1.5	0.8	0.8
17.5°	15.3	3.8	0.0	0.0	0.0
20°	12.2	1.5	0.0	0.0	0.0
22.5°	9.2	0.8	0.0	0.0	0.0
25°	6.1	0.0	0.0	0.0	0.0
27.5°	3.8	0.0	0.0	0.0	0.0
30°	2.3	0.0	0.0	0.0	0.0
32.5°	0.8	0.0	0.0	0.0	0.0
35°	0.8	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°	0.8	0.0	0.0	0.8	0.8
47.5°	0.8	0.8	0.8	1.5	1.5
50°	0.8	0.8	0.8	1.5	2.3
52.5°	1.5	0.8	1.5	2.3	2.3
55°	1.5	1.5	2.3	3.1	3.1
57.5°	1.5	1.5	2.3	3.1	3.1
60°	1.5	1.5	2.3	3.1	3.8
62.5°	2.3	2.3	2.3	3.1	3.1
65°	2.3	2.3	2.3	3.1	3.8
67.5°	2.3	2.3	2.3	3.1	3.8
70°	2.3	2.3	2.3	3.1	3.1
72.5°	3.1	2.3	2.3	3.1	3.1
75°	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	1.5	2.3	2.3
80°	2.3	1.5	1.5	1.5	1.5
82.5°	2.3	1.5	1.5	1.5	1.5
85°	2.3	1.5	0.8	0.8	0.8
87.5°	2.3	1.5	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)