

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: P1345271

Luminaire Tested: P3A13R30W2N902750DE010 E3CA301MW_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345271
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

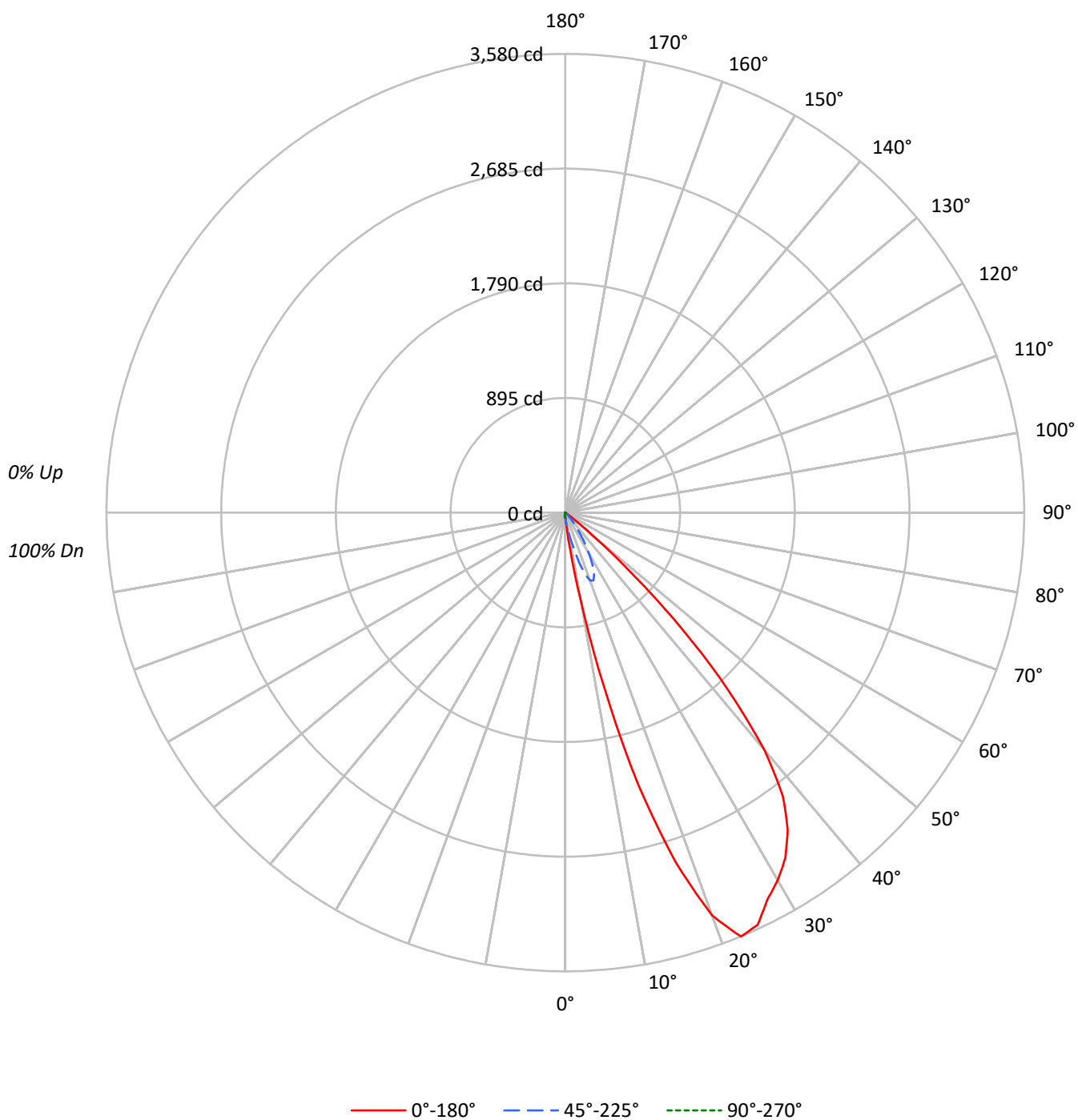
Lumens per Lamp: N/A
Luminaire Lumens: 844.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	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°	8793	8793	8793	8793	8793
5°	26480	17653	8320	3742	3060
10°	153348	37430	6524	1715	1202
15°	498800	84904	4563	341	182
20°	780521	131378	2870	0	0
25°	858727	128378	1500	0	0
30°	838711	92571	582	0	0
35°	809501	52655	214	0	0
40°	690322	22299	0	0	0
45°	405158	8373	248	0	248
50°	98385	1569	273	273	785
55°	8564	0	573	879	1185
60°	351	0	658	1009	1710
65°	415	415	1193	1193	2024
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: 405158 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.9
10°-20°	116.0	13.7
20°-30°	294.8	34.9
30°-40°	293.8	34.8
40°-50°	119.0	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°	418.1	49.5
0°-40°	712.0	84.4
0°-60°	839.2	99.4
0°-90°	844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	844.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	120	80	38	17	14	28
15°	2197	374	20	2	1	639
25°	3549	531	6	0	0	1602
35°	3024	197	1	0	0	1854
45°	1306	27	1	0	1	997
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°	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
2.5°	66.3	67.1	67.1	65.6	64.8	64.8	62.5	61.7	59.4	57.1	49.4
5°	120.3	118.0	114.9	114.9	108.0	104.1	98.7	92.5	87.9	80.2	57.1
7.5°	273.0	254.5	249.1	242.2	215.9	195.1	171.2	150.4	131.1	114.9	63.2
10°	688.7	652.5	622.4	561.5	485.1	411.8	344.0	265.3	211.3	168.1	67.9
12.5°	1387.4	1338.8	1281.0	1169.9	1027.3	844.5	682.5	509.8	357.8	247.6	69.4
15°	2197.2	2114.7	2024.5	1883.3	1649.6	1387.4	1095.1	819.8	574.6	374.0	67.9
17.5°	2857.4	2825.0	2691.6	2498.8	2212.6	1874.8	1514.7	1138.3	775.1	489.7	63.2
20°	3344.8	3322.4	3161.2	2956.1	2633.7	2246.6	1789.2	1337.3	914.7	563.0	56.3
22.5°	3580.0	3576.2	3459.7	3249.9	2908.3	2469.5	1965.8	1452.2	957.9	573.0	47.0
25°	3549.2	3563.0	3496.7	3340.9	3013.2	2561.2	2018.3	1452.2	926.2	530.6	39.3
27.5°	3408.8	3418.1	3376.4	3256.9	2951.5	2494.9	1945.0	1358.9	834.5	455.8	32.4
30°	3312.4	3316.3	3264.6	3136.6	2812.6	2343.7	1772.3	1186.1	695.6	365.6	23.9
32.5°	3195.2	3194.4	3134.2	2987.7	2630.6	2131.7	1553.2	980.2	534.5	277.6	13.9
35°	3024.0	3004.7	2922.9	2754.0	2359.2	1846.3	1273.3	746.5	384.8	196.7	8.5
37.5°	2788.7	2738.6	2622.9	2397.0	1978.2	1447.6	944.0	524.4	263.0	130.3	5.4
40°	2411.6	2358.4	2201.1	1926.5	1496.2	1041.9	636.3	341.7	165.8	77.9	3.1
42.5°	1891.0	1854.8	1642.7	1368.9	987.9	664.8	382.5	202.1	93.3	44.7	0.8
45°	1306.5	1259.4	1092.8	860.7	593.1	368.6	214.4	105.7	53.2	27.0	0.0
47.5°	721.1	663.3	566.8	445.8	298.5	193.6	108.0	57.1	30.1	13.1	0.0
50°	288.4	286.1	227.5	162.0	114.1	87.9	54.0	30.8	15.4	4.6	0.8
52.5°	101.0	101.0	87.1	71.0	55.5	40.1	27.0	14.7	5.4	1.5	0.8
55°	22.4	24.7	23.1	21.6	20.8	17.7	11.6	5.4	1.5	0.0	0.8
57.5°	2.3	2.3	2.3	3.1	3.9	3.9	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°	40.1	40.1	40.1	40.1	40.1
2.5°	40.1	31.6	26.2	23.1	22.4
5°	37.8	23.9	17.0	14.7	13.9
7.5°	33.9	17.7	11.6	9.3	8.5
10°	29.3	13.1	7.7	5.4	5.4
12.5°	24.7	10.0	4.6	2.3	1.5
15°	20.1	6.2	1.5	0.8	0.8
17.5°	15.4	3.9	0.0	0.0	0.0
20°	12.3	1.5	0.0	0.0	0.0
22.5°	9.3	0.8	0.0	0.0	0.0
25°	6.2	0.0	0.0	0.0	0.0
27.5°	3.9	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	3.9
62.5°	2.3	2.3	2.3	3.1	3.1
65°	2.3	2.3	2.3	3.1	3.9
67.5°	2.3	2.3	2.3	3.1	3.9
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)