

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: P1345191

Luminaire Tested: P3A13R30B2750DE010 E3CA301MW_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345191
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: P3A13R30B2750DE010 E3CA301MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

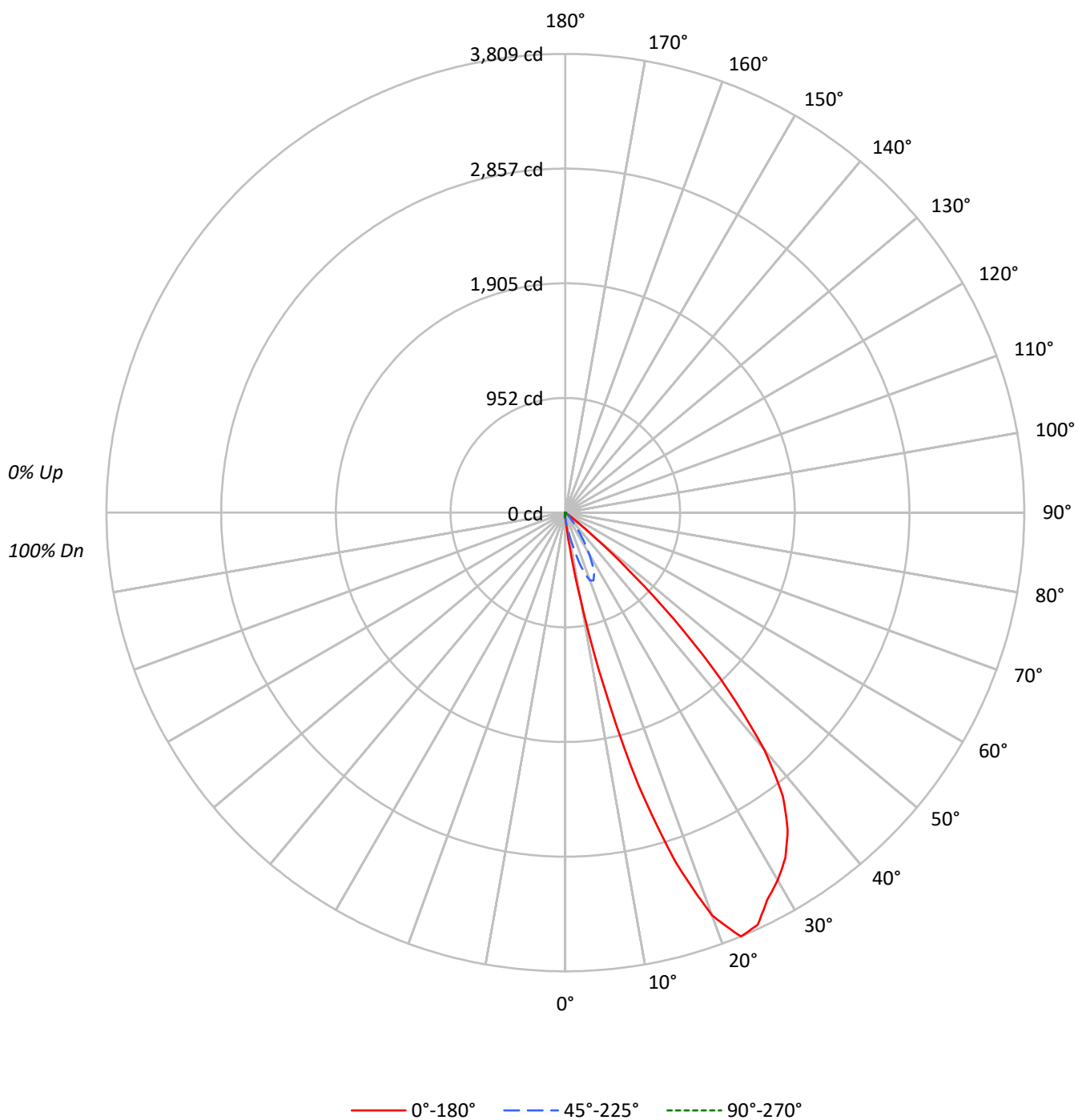
Lumens per Lamp: N/A
Luminaire Lumens: 898.0 lumens
Efficiency: N/A
Efficacy: 47.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.1
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	0
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°	9363	9363	9363	9363	9363
5°	28175	18776	8849	3984	3258
10°	163168	39834	6947	1826	1269
15°	530718	90352	4835	363	182
20°	830459	139779	3057	0	0
25°	913650	136580	1597	0	0
30°	892365	98471	633	0	0
35°	861273	56001	214	0	0
40°	734490	23730	0	0	0
45°	431052	8900	248	0	248
50°	104696	1672	273	273	853
55°	9099	0	612	956	1262
60°	351	0	702	1096	1798
65°	415	415	1297	1297	2127
70°	513	513	1603	1603	2116
75°	0	678	2118	2118	2118
80°	0	1010	3157	2020	2020
85°	0	2013	6290	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 431052 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.9
10°-20°	123.4	13.7
20°-30°	313.6	34.9
30°-40°	312.6	34.8
40°-50°	126.6	14.1
50°-60°	8.7	1.0
60°-70°	2.0	0.2
70°-80°	2.0	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°	444.9	49.5
0°-40°	757.5	84.4
0°-60°	892.9	99.4
0°-90°	898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	128	85	40	18	15	30
15°	2338	398	21	2	1	680
25°	3776	564	7	0	0	1705
35°	3217	209	1	0	0	1972
45°	1390	29	1	0	1	1060
55°	24	0	2	2	3	62
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°	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
2.5°	70.6	71.4	71.4	69.7	68.9	68.9	66.5	65.6	63.2	60.7	52.5
5°	128.0	125.5	122.3	122.3	114.9	110.8	105.0	98.5	93.5	85.3	60.7
7.5°	290.5	270.8	265.0	257.7	229.8	207.6	182.2	160.0	139.5	122.3	67.3
10°	732.8	694.2	662.2	597.4	516.1	438.2	366.0	282.3	224.8	178.9	72.2
12.5°	1476.2	1424.5	1363.0	1244.8	1093.0	898.5	726.2	542.4	380.7	263.4	73.9
15°	2337.8	2250.0	2154.0	2003.8	1755.2	1476.2	1165.2	872.3	611.3	398.0	72.2
17.5°	3040.2	3005.7	2863.8	2658.6	2354.2	1994.8	1611.6	1211.2	824.7	521.1	67.3
20°	3558.8	3535.0	3363.5	3145.2	2802.2	2390.3	1903.7	1422.9	973.2	599.0	59.9
22.5°	3809.1	3805.0	3681.1	3457.9	3094.4	2627.5	2091.6	1545.1	1019.1	609.7	50.1
25°	3776.2	3791.0	3720.4	3554.7	3206.0	2725.1	2147.4	1545.1	985.5	564.5	41.8
27.5°	3626.9	3636.8	3592.4	3465.3	3140.3	2654.5	2069.5	1445.8	887.9	485.0	34.5
30°	3524.3	3528.4	3473.5	3337.2	2992.6	2493.7	1885.7	1262.0	740.2	388.9	25.4
32.5°	3399.6	3398.8	3334.8	3178.9	2799.0	2268.0	1652.6	1042.9	568.7	295.4	14.8
35°	3217.4	3196.9	3109.9	2930.2	2510.1	1964.4	1354.8	794.3	409.5	209.2	9.0
37.5°	2967.2	2913.8	2790.7	2550.3	2104.8	1540.2	1004.4	558.0	279.8	138.7	5.7
40°	2565.9	2509.3	2341.9	2049.8	1591.9	1108.6	677.0	363.5	176.4	82.9	3.3
42.5°	2012.0	1973.5	1747.8	1456.5	1051.1	707.3	407.0	215.0	99.3	47.6	0.8
45°	1390.0	1340.0	1162.7	915.8	631.0	392.2	228.1	112.4	56.6	28.7	0.0
47.5°	767.2	705.7	603.1	474.3	317.6	206.0	114.9	60.7	32.0	13.9	0.0
50°	306.9	304.4	242.1	172.3	121.4	93.5	57.4	32.8	16.4	4.9	0.8
52.5°	107.5	107.5	92.7	75.5	59.1	42.7	28.7	15.6	5.7	1.6	0.8
55°	23.8	26.3	24.6	23.0	22.2	18.9	12.3	5.7	1.6	0.0	0.8
57.5°	2.5	2.5	2.5	3.3	4.1	4.1	3.3	1.6	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	1.6
62.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	1.6
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.5
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.5
75°	0.0	0.0	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	2.5
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6
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°	42.7	42.7	42.7	42.7	42.7
2.5°	42.7	33.6	27.9	24.6	23.8
5°	40.2	25.4	18.1	15.6	14.8
7.5°	36.1	18.9	12.3	9.8	9.0
10°	31.2	13.9	8.2	5.7	5.7
12.5°	26.3	10.7	4.9	2.5	1.6
15°	21.3	6.6	1.6	0.8	0.8
17.5°	16.4	4.1	0.0	0.0	0.0
20°	13.1	1.6	0.0	0.0	0.0
22.5°	9.8	0.8	0.0	0.0	0.0
25°	6.6	0.0	0.0	0.0	0.0
27.5°	4.1	0.0	0.0	0.0	0.0
30°	2.5	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	1.6	1.6
50°	0.8	0.8	0.8	1.6	2.5
52.5°	1.6	0.8	1.6	2.5	2.5
55°	1.6	1.6	2.5	3.3	3.3
57.5°	1.6	1.6	2.5	3.3	3.3
60°	1.6	1.6	2.5	3.3	4.1
62.5°	2.5	2.5	2.5	3.3	3.3
65°	2.5	2.5	2.5	3.3	4.1
67.5°	2.5	2.5	2.5	3.3	4.1
70°	2.5	2.5	2.5	3.3	3.3
72.5°	3.3	2.5	2.5	3.3	3.3
75°	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	1.6	2.5	2.5
80°	2.5	1.6	1.6	1.6	1.6
82.5°	2.5	1.6	1.6	1.6	1.6
85°	2.5	1.6	0.8	0.8	0.8
87.5°	2.5	1.6	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)