

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: P1345187

Luminaire Tested: P3A13R30B2750DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345187
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

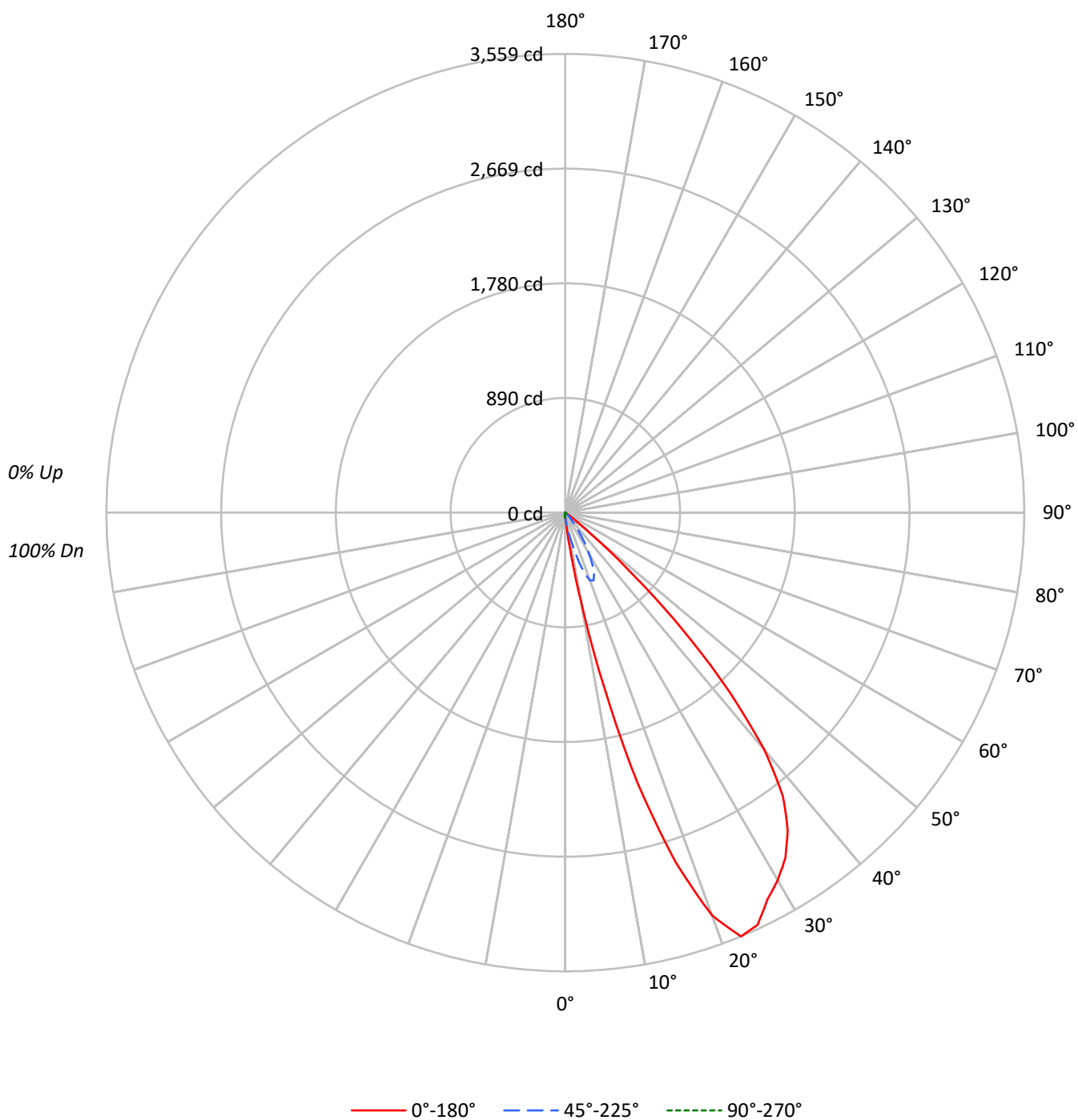
Lumens per Lamp: N/A
Luminaire Lumens: 839.0 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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°	8749	8749	8749	8749	8749
5°	26326	17543	8276	3720	3038
10°	152435	37207	6480	1715	1202
15°	495848	84405	4518	341	182
20°	775901	130608	2870	0	0
25°	853622	127628	1476	0	0
30°	833749	92014	582	0	0
35°	804683	52334	214	0	0
40°	686229	22156	0	0	0
45°	402739	8311	248	0	248
50°	97805	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: 402739 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.9
10°-20°	115.3	13.7
20°-30°	293.0	34.9
30°-40°	292.1	34.8
40°-50°	118.3	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°	415.7	49.5
0°-40°	707.7	84.4
0°-60°	834.3	99.4
0°-90°	839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	120	80	38	17	14	28
15°	2184	372	20	2	1	636
25°	3528	528	6	0	0	1593
35°	3006	196	1	0	0	1843
45°	1299	27	1	0	1	991
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°	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
2.5°	65.9	66.7	66.7	65.2	64.4	64.4	62.1	61.3	59.0	56.7	49.1
5°	119.6	117.3	114.2	114.2	107.3	103.5	98.1	92.0	87.4	79.7	56.7
7.5°	271.4	253.0	247.6	240.7	214.7	194.0	170.2	149.5	130.3	114.2	62.9
10°	684.6	648.6	618.7	558.1	482.2	409.4	341.9	263.7	210.1	167.1	67.5
12.5°	1379.2	1330.9	1273.4	1163.0	1021.2	839.5	678.5	506.8	355.7	246.1	69.0
15°	2184.2	2102.2	2012.5	1872.2	1639.9	1379.2	1088.6	815.0	571.2	371.8	67.5
17.5°	2840.5	2808.3	2675.6	2484.0	2199.5	1863.7	1505.7	1131.6	770.5	486.8	62.9
20°	3325.0	3302.7	3142.5	2938.6	2618.1	2233.3	1778.6	1329.4	909.3	559.7	56.0
22.5°	3558.8	3555.0	3439.2	3230.7	2891.1	2454.8	1954.2	1443.6	952.2	569.6	46.8
25°	3528.1	3541.9	3476.0	3321.1	2995.3	2546.1	2006.3	1443.6	920.8	527.5	39.1
27.5°	3388.6	3397.8	3356.4	3237.6	2934.0	2480.1	1933.5	1350.8	829.5	453.1	32.2
30°	3292.8	3296.6	3245.2	3118.0	2796.0	2329.9	1761.8	1179.1	691.5	363.4	23.8
32.5°	3176.2	3175.5	3115.7	2970.0	2615.1	2119.0	1544.0	974.4	531.3	276.0	13.8
35°	3006.0	2986.9	2905.6	2737.7	2345.2	1835.4	1265.7	742.1	382.6	195.5	8.4
37.5°	2772.2	2722.4	2607.4	2382.8	1966.5	1439.0	938.4	521.3	261.4	129.6	5.4
40°	2397.3	2344.4	2188.0	1915.1	1487.3	1035.7	632.5	339.6	164.8	77.4	3.1
42.5°	1879.8	1843.8	1633.0	1360.8	982.1	660.9	380.3	200.9	92.8	44.5	0.8
45°	1298.7	1251.9	1086.3	855.6	589.6	366.5	213.1	105.0	52.9	26.8	0.0
47.5°	716.8	659.3	563.5	443.1	296.7	192.4	107.3	56.7	29.9	13.0	0.0
50°	286.7	284.4	226.2	161.0	113.5	87.4	53.7	30.7	15.3	4.6	0.8
52.5°	100.4	100.4	86.6	70.5	55.2	39.9	26.8	14.6	5.4	1.5	0.8
55°	22.2	24.5	23.0	21.5	20.7	17.6	11.5	5.4	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°	39.9	39.9	39.9	39.9	39.9
2.5°	39.9	31.4	26.1	23.0	22.2
5°	37.6	23.8	16.9	14.6	13.8
7.5°	33.7	17.6	11.5	9.2	8.4
10°	29.1	13.0	7.7	5.4	5.4
12.5°	24.5	10.0	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°	12.3	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)