

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: P1343679

Luminaire Tested: P3A13R15B2750DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R15B2750DE010 E3CA301MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

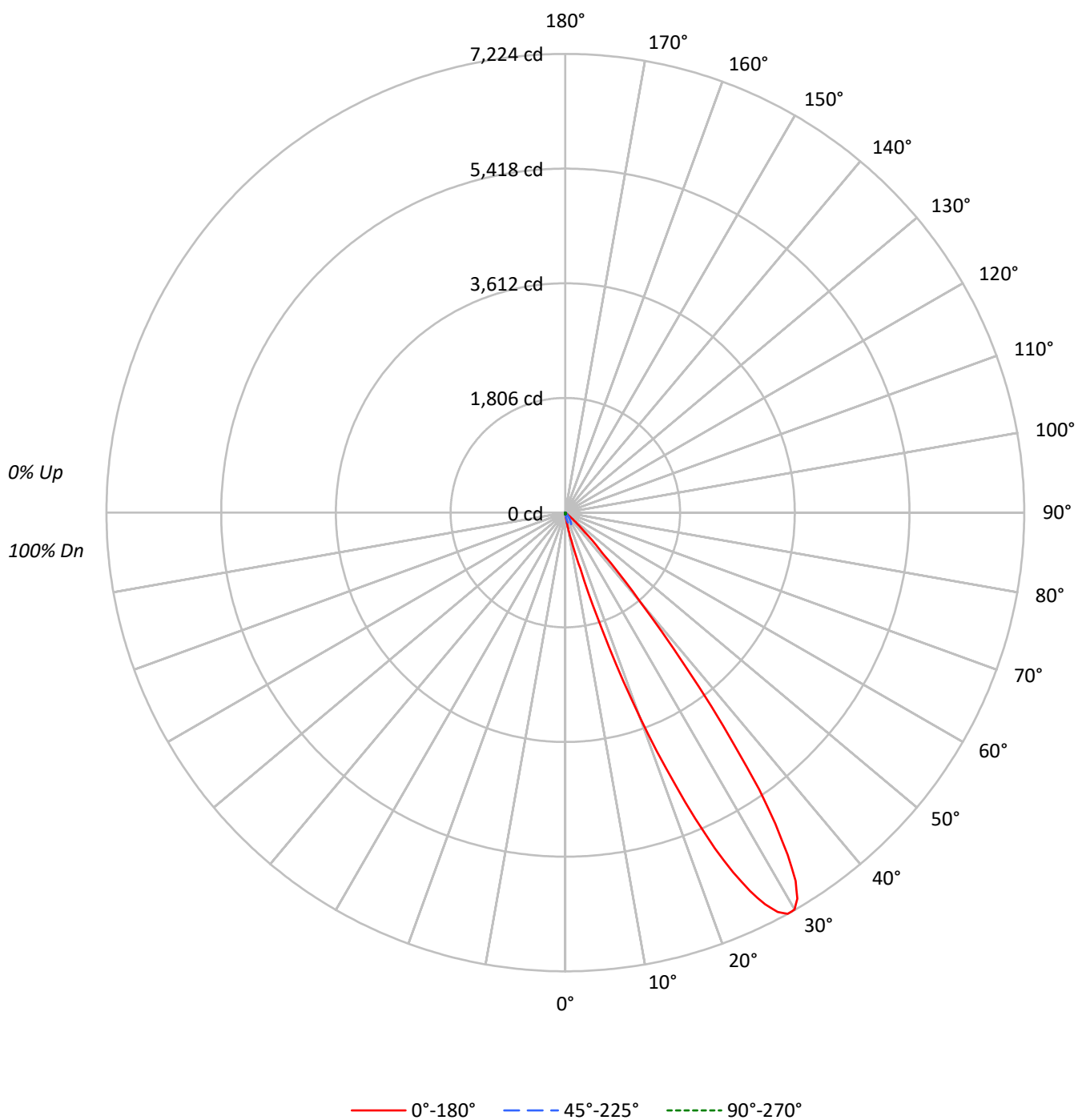
Lumens per Lamp: N/A
Luminaire Lumens: 789.0 lumens
Efficiency: N/A
Efficacy: 41.3 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	70		77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64		72	67	64		71	66	63	61
6	81	71	64	59	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	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5723	5723	5723	5723	5723
5°	12327	9113	5415	2862	2355
10°	54686	17256	4275	1202	846
15°	206812	39909	2951	522	341
20°	795386	56238	1797	187	187
25°	1512499	52745	919	0	0
30°	1827117	42564	380	0	0
35°	1425033	28964	214	0	0
40°	520031	14284	229	0	229
45°	133533	4280	248	0	465
50°	22515	512	273	273	785
55°	2944	0	573	879	1453
60°	351	351	1009	1360	2017
65°	415	415	1608	1972	2387
70°	513	513	1988	1988	2436
75°	678	678	2626	1949	2626
80°	0	1010	2904	1894	2904
85°	0	2013	5787	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 133533 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.5
10°-20°	60.5	7.7
20°-30°	335.3	42.5
30°-40°	324.0	41.1
40°-50°	56.3	7.1
50°-60°	4.0	0.5
60°-70°	2.4	0.3
70°-80°	1.9	0.2
80°-90°	1.0	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°	399.4	50.6
0°-40°	723.3	91.7
0°-60°	783.7	99.3
0°-90°	789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	789.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	56	41	25	13	11	11
15°	911	176	13	2	2	406
25°	6251	218	4	0	0	2795
35°	5323	108	1	0	0	3062
45°	431	14	1	0	2	463
55°	8	0	2	2	4	15
65°	1	1	3	4	5	1
75°	1	1	3	2	3	1
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
2.5°	38.4	36.8	37.6	37.6	37.6	37.6	37.6	36.1	36.1	36.8	33.0
5°	56.0	56.0	55.3	56.0	56.0	55.3	53.7	53.0	53.0	51.4	41.4
7.5°	112.1	110.5	110.5	109.0	101.3	99.0	97.5	93.6	86.7	85.2	53.7
10°	245.6	246.4	241.0	234.1	233.3	221.8	218.0	211.1	198.0	185.0	77.5
12.5°	445.9	435.9	422.9	423.7	401.4	393.7	376.1	356.9	336.9	316.2	127.4
15°	911.0	882.6	899.5	858.1	811.2	758.3	704.6	637.0	579.5	518.1	175.8
17.5°	1918.7	1946.4	1899.6	1722.3	1613.3	1485.1	1304.7	1130.5	981.6	861.9	214.9
20°	3408.5	3449.1	3290.3	3136.0	2871.2	2582.6	2281.8	1941.0	1614.8	1332.4	241.0
21°	4030.9	4006.3	3941.1	3694.0	3388.5	3053.9	2685.5	2309.4	1914.1	1547.3	243.3
22°	4632.6	4644.1	4492.2	4233.5	3915.8	3545.1	3095.3	2631.0	2205.0	1722.3	239.5
23°	5232.0	5268.9	5067.8	4825.3	4425.4	4007.1	3486.7	2985.6	2459.1	1922.6	231.8
24°	5786.9	5761.6	5625.8	5320.3	4892.8	4403.1	3862.8	3255.0	2667.8	2093.7	225.6
25°	6251.3	6248.2	6034.8	5737.8	5248.9	4706.3	4110.7	3475.2	2846.7	2209.6	218.0
26°	6631.2	6569.0	6400.9	6038.7	5555.9	4983.4	4314.1	3635.6	2947.2	2268.0	210.3
27°	6924.4	6879.9	6654.2	6277.4	5773.1	5139.9	4444.6	3715.5	2993.2	2287.1	200.3
28°	7121.6	7073.3	6833.0	6444.7	5892.9	5238.2	4513.7	3749.2	2993.2	2268.7	191.1
29°	7223.7	7157.7	6918.2	6502.2	5920.5	5249.7	4496.8	3716.2	2946.4	2211.9	180.4
30°	7216.0	7133.9	6882.9	6450.1	5838.4	5155.3	4402.4	3597.3	2840.5	2127.5	168.1
31°	7091.7	6999.6	6719.5	6273.5	5668.7	4977.2	4224.3	3437.6	2695.5	2017.8	155.8
32°	6839.2	6722.5	6449.3	6004.9	5407.8	4710.9	3965.7	3191.3	2478.3	1857.3	142.8
33°	6427.8	6310.4	6017.2	5600.4	5054.7	4373.2	3622.6	2926.5	2231.1	1666.2	132.0
34°	5912.8	5805.4	5552.9	5133.0	4609.6	3945.7	3228.1	2560.4	1974.8	1476.7	120.5
35°	5323.4	5152.2	4923.5	4591.2	4080.8	3413.1	2802.1	2219.6	1710.8	1277.9	108.2
36°	4525.9	4556.6	4314.1	3907.3	3484.4	2961.0	2374.6	1850.4	1430.6	1089.1	97.5
37°	3819.1	3770.7	3616.5	3301.8	2933.4	2413.8	1990.1	1568.8	1203.4	921.0	86.0
38°	3080.7	3091.5	2940.3	2698.5	2333.2	1984.8	1601.8	1288.6	1007.0	783.6	75.2
39°	2411.5	2403.0	2362.4	2138.3	1807.5	1578.7	1297.8	1068.4	838.9	660.8	63.7
40°	1816.7	1830.5	1735.3	1600.2	1407.6	1219.6	1033.8	851.9	693.8	557.2	49.9
42.5°	883.4	904.9	841.9	807.4	722.2	648.5	547.2	446.7	379.9	328.5	22.3
45°	430.6	418.3	412.9	396.0	376.1	336.2	297.8	255.6	223.3	192.6	13.8
47.5°	220.3	214.1	214.1	207.2	200.3	187.3	168.1	154.3	138.9	119.7	5.4
50°	66.0	65.2	64.5	65.2	62.9	65.2	66.8	67.5	61.4	60.6	1.5
52.5°	26.1	26.9	26.1	28.4	28.4	27.6	28.4	27.6	26.9	23.8	0.0
55°	7.7	7.7	7.7	7.7	7.7	7.7	8.4	9.2	8.4	9.2	0.0
57.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1343679

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_2700K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	26.1	26.1	26.1	26.1	26.1	26.1
2.5°	30.7	26.9	22.3	18.4	16.9	16.1
5°	33.0	24.6	16.9	13.0	11.5	10.7
7.5°	35.3	22.3	13.0	9.2	6.9	6.1
10°	36.8	19.2	10.0	5.4	3.8	3.8
12.5°	36.8	15.3	6.9	3.1	2.3	2.3
15°	36.1	13.0	4.6	2.3	1.5	1.5
17.5°	35.3	10.0	3.1	1.5	0.8	1.5
20°	33.0	7.7	1.5	0.8	0.8	0.8
21°	32.2	6.9	1.5	0.8	0.8	0.8
22°	30.7	6.1	0.8	0.0	0.8	0.8
23°	29.2	4.6	0.8	0.0	0.0	0.0
24°	26.9	3.8	0.8	0.0	0.0	0.0
25°	25.3	3.8	0.8	0.0	0.0	0.0
26°	23.8	2.3	0.0	0.0	0.0	0.0
27°	21.5	1.5	0.0	0.0	0.0	0.0
28°	20.0	1.5	0.0	0.0	0.0	0.0
29°	17.7	1.5	0.0	0.0	0.0	0.0
30°	15.3	1.5	0.0	0.0	0.0	0.0
31°	12.3	0.8	0.0	0.0	0.0	0.0
32°	10.0	0.8	0.0	0.0	0.0	0.0
33°	6.9	0.8	0.0	0.0	0.0	0.0
34°	4.6	0.8	0.0	0.0	0.0	0.0
35°	3.8	0.8	0.0	0.0	0.0	0.0
36°	2.3	0.8	0.0	0.0	0.0	0.8
37°	2.3	0.8	0.0	0.0	0.0	0.8
38°	1.5	0.8	0.0	0.0	0.0	0.8
39°	0.8	0.8	0.0	0.0	0.0	0.8
40°	0.8	0.8	0.0	0.0	0.0	0.8
42.5°	0.0	0.8	0.0	0.0	0.8	1.5
45°	0.0	0.8	0.0	0.0	0.8	1.5
47.5°	0.0	0.8	0.0	0.0	1.5	1.5
50°	0.0	0.8	0.8	0.8	1.5	2.3
52.5°	0.0	1.5	0.8	1.5	2.3	3.1
55°	0.8	1.5	1.5	2.3	3.1	3.8
57.5°	0.8	2.3	2.3	3.1	3.8	3.8
60°	1.5	2.3	3.1	3.1	4.6	4.6
62.5°	1.5	3.1	3.1	3.1	4.6	4.6
65°	1.5	3.1	3.1	3.8	4.6	4.6
67.5°	1.5	3.1	3.1	3.1	3.8	4.6
70°	1.5	3.1	2.3	3.1	3.8	3.8
72.5°	1.5	3.1	2.3	2.3	3.1	3.8
75°	1.5	3.1	2.3	2.3	3.1	3.1
77.5°	1.5	2.3	2.3	1.5	2.3	2.3
80°	1.5	2.3	1.5	1.5	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.5	2.3	1.5	0.8	1.5	1.5
85°	1.5	2.3	1.5	0.8	0.8	0.8
87.5°	1.5	2.3	0.8	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)