

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: P1343648

Luminaire Tested: P3A13R15B2750DE010 E3A301WMH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343648
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 E3A301WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

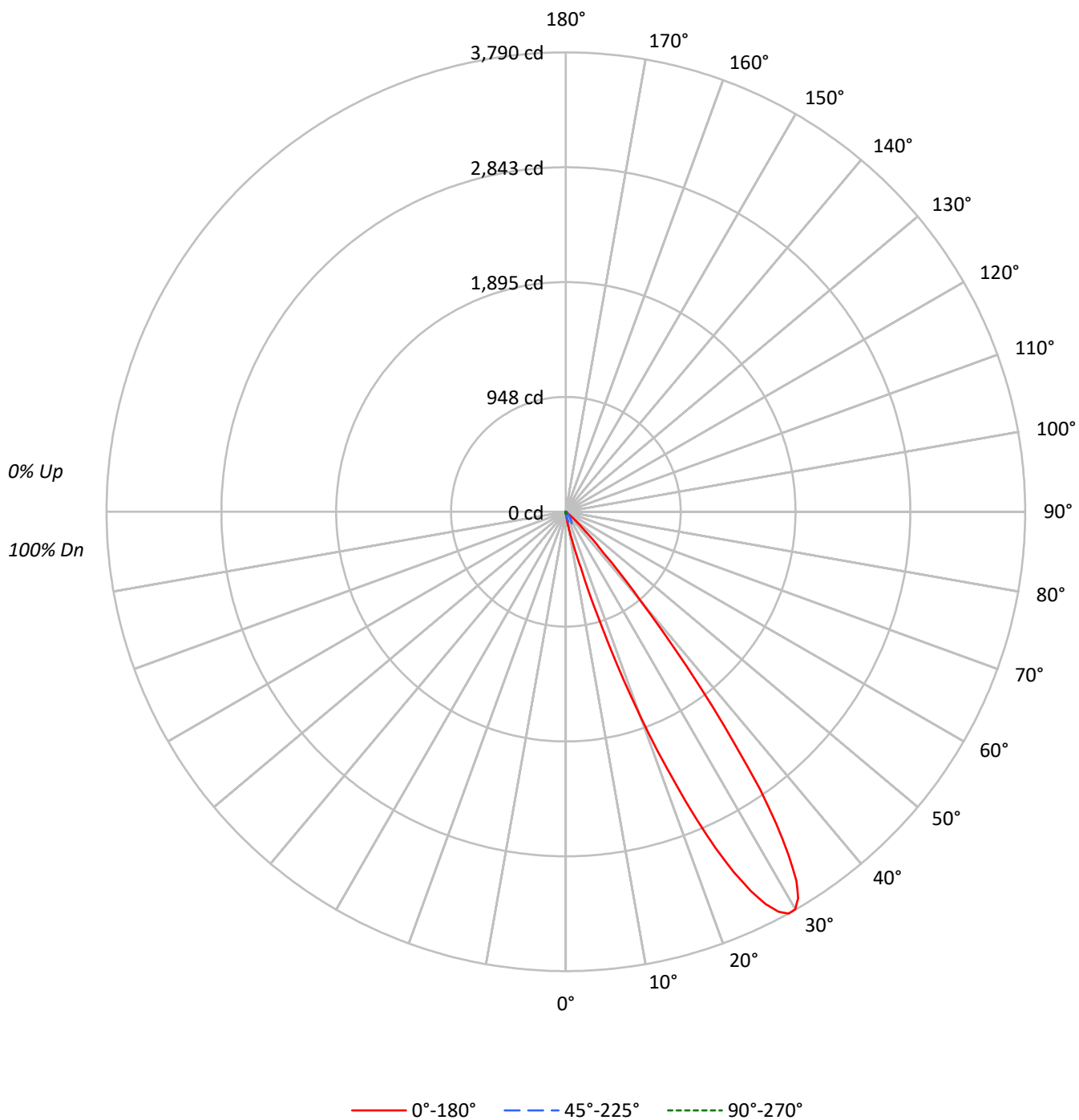
Lumens per Lamp: N/A
Luminaire Lumens: 414.0 lumens
Efficiency: N/A
Efficacy: 21.7 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	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°	3004	3004	3004	3004	3004
5°	6471	4777	2840	1497	1233
10°	28701	9062	2249	623	445
15°	108514	20931	1544	272	182
20°	417353	29519	933	93	93
25°	793618	27679	484	0	0
30°	958730	22333	203	0	0
35°	747745	15205	107	0	0
40°	272854	7500	115	0	115
45°	70054	2233	124	0	248
50°	11803	273	136	136	409
55°	1529	0	306	459	765
60°	175	175	526	702	1053
65°	208	208	830	1038	1245
70°	256	256	1026	1026	1282
75°	339	339	1356	1017	1356
80°	0	505	1515	1010	1515
85°	0	1006	3019	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70054 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.5
10°-20°	31.7	7.7
20°-30°	176.0	42.5
30°-40°	170.0	41.1
40°-50°	29.6	7.1
50°-60°	2.1	0.5
60°-70°	1.2	0.3
70°-80°	1.0	0.2
80°-90°	0.5	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°	209.5	50.6
0°-40°	379.5	91.7
0°-60°	411.2	99.3
0°-90°	414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	414.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	29	22	13	7	6	6
15°	478	92	7	1	1	213
25°	3280	114	2	0	0	1467
35°	2793	57	0	0	0	1606
45°	226	7	0	0	1	243
55°	4	0	1	1	2	8
65°	0	0	2	2	2	0
75°	0	0	2	1	2	0
85°	0	0	1	0	0	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°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
2.5°	20.1	19.3	19.7	19.7	19.7	19.7	19.7	18.9	18.9	19.3	17.3
5°	29.4	29.4	29.0	29.4	29.4	29.0	28.2	27.8	27.8	27.0	21.7
7.5°	58.8	58.0	58.0	57.2	53.2	52.0	51.1	49.1	45.5	44.7	28.2
10°	128.9	129.3	126.5	122.8	122.4	116.4	114.4	110.7	103.9	97.1	40.7
12.5°	234.0	228.7	221.9	222.3	210.6	206.6	197.3	187.3	176.8	165.9	66.9
15°	478.0	463.1	472.0	450.2	425.7	397.9	369.7	334.3	304.1	271.8	92.2
17.5°	1006.8	1021.3	996.7	903.7	846.5	779.3	684.6	593.2	515.1	452.3	112.8
20°	1788.5	1809.8	1726.5	1645.5	1506.6	1355.1	1197.3	1018.5	847.3	699.1	126.5
21°	2115.1	2102.2	2068.0	1938.3	1778.0	1602.4	1409.1	1211.8	1004.4	811.9	127.7
22°	2430.8	2436.8	2357.1	2221.4	2054.7	1860.2	1624.2	1380.5	1157.0	903.7	125.6
23°	2745.3	2764.7	2659.1	2531.9	2322.1	2102.6	1829.5	1566.6	1290.3	1008.8	121.6
24°	3036.5	3023.2	2951.9	2791.6	2567.3	2310.4	2026.9	1707.9	1399.8	1098.6	118.4
25°	3280.1	3278.5	3166.6	3010.7	2754.2	2469.5	2157.0	1823.5	1493.7	1159.4	114.4
26°	3479.5	3446.9	3358.7	3168.6	2915.3	2614.8	2263.7	1907.7	1546.4	1190.0	110.3
27°	3633.3	3610.0	3491.6	3293.8	3029.2	2697.0	2332.1	1949.6	1570.6	1200.1	105.1
28°	3736.8	3711.4	3585.4	3381.6	3092.1	2748.5	2368.4	1967.3	1570.6	1190.4	100.3
29°	3790.4	3755.7	3630.1	3411.8	3106.6	2754.6	2359.5	1950.0	1546.0	1160.6	94.6
30°	3786.4	3743.3	3611.6	3384.4	3063.5	2705.1	2310.0	1887.5	1490.5	1116.3	88.2
31°	3721.1	3672.8	3525.8	3291.8	2974.5	2611.6	2216.6	1803.8	1414.3	1058.7	81.8
32°	3588.6	3527.4	3384.0	3150.9	2837.6	2471.9	2080.8	1674.5	1300.4	974.6	74.9
33°	3372.8	3311.1	3157.3	2938.6	2652.3	2294.7	1900.8	1535.6	1170.7	874.3	69.3
34°	3102.5	3046.2	2913.7	2693.4	2418.7	2070.4	1693.8	1343.5	1036.2	774.8	63.2
35°	2793.3	2703.4	2583.4	2409.1	2141.3	1790.9	1470.3	1164.7	897.7	670.5	56.8
36°	2374.8	2390.9	2263.7	2050.2	1828.3	1553.7	1246.0	971.0	750.7	571.5	51.1
37°	2003.9	1978.6	1897.6	1732.5	1539.2	1266.5	1044.2	823.2	631.5	483.3	45.1
38°	1616.5	1622.1	1542.8	1416.0	1224.3	1041.4	840.5	676.2	528.4	411.2	39.5
39°	1265.3	1260.9	1239.6	1122.0	948.4	828.4	681.0	560.6	440.2	346.7	33.4
40°	953.2	960.5	910.5	839.7	738.6	639.9	542.5	447.0	364.1	292.4	26.2
42.5°	463.5	474.8	441.8	423.7	379.0	340.3	287.1	234.4	199.3	172.4	11.7
45°	225.9	219.5	216.7	207.8	197.3	176.4	156.3	134.1	117.2	101.1	7.2
47.5°	115.6	112.4	112.4	108.7	105.1	98.3	88.2	80.9	72.9	62.8	2.8
50°	34.6	34.2	33.8	34.2	33.0	34.2	35.0	35.4	32.2	31.8	0.8
52.5°	13.7	14.1	13.7	14.9	14.9	14.5	14.9	14.5	14.1	12.5	0.0
55°	4.0	4.0	4.0	4.0	4.0	4.0	4.4	4.8	4.4	4.8	0.0
57.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4



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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	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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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CATALOG NUMBER: P3A13R15B2750DE010 E3A301WMH_5000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	13.7	13.7	13.7	13.7	13.7	13.7
2.5°	16.1	14.1	11.7	9.7	8.9	8.5
5°	17.3	12.9	8.9	6.8	6.0	5.6
7.5°	18.5	11.7	6.8	4.8	3.6	3.2
10°	19.3	10.1	5.2	2.8	2.0	2.0
12.5°	19.3	8.1	3.6	1.6	1.2	1.2
15°	18.9	6.8	2.4	1.2	0.8	0.8
17.5°	18.5	5.2	1.6	0.8	0.4	0.8
20°	17.3	4.0	0.8	0.4	0.4	0.4
21°	16.9	3.6	0.8	0.4	0.4	0.4
22°	16.1	3.2	0.4	0.0	0.4	0.4
23°	15.3	2.4	0.4	0.0	0.0	0.0
24°	14.1	2.0	0.4	0.0	0.0	0.0
25°	13.3	2.0	0.4	0.0	0.0	0.0
26°	12.5	1.2	0.0	0.0	0.0	0.0
27°	11.3	0.8	0.0	0.0	0.0	0.0
28°	10.5	0.8	0.0	0.0	0.0	0.0
29°	9.3	0.8	0.0	0.0	0.0	0.0
30°	8.1	0.8	0.0	0.0	0.0	0.0
31°	6.4	0.4	0.0	0.0	0.0	0.0
32°	5.2	0.4	0.0	0.0	0.0	0.0
33°	3.6	0.4	0.0	0.0	0.0	0.0
34°	2.4	0.4	0.0	0.0	0.0	0.0
35°	2.0	0.4	0.0	0.0	0.0	0.0
36°	1.2	0.4	0.0	0.0	0.0	0.4
37°	1.2	0.4	0.0	0.0	0.0	0.4
38°	0.8	0.4	0.0	0.0	0.0	0.4
39°	0.4	0.4	0.0	0.0	0.0	0.4
40°	0.4	0.4	0.0	0.0	0.0	0.4
42.5°	0.0	0.4	0.0	0.0	0.4	0.8
45°	0.0	0.4	0.0	0.0	0.4	0.8
47.5°	0.0	0.4	0.0	0.0	0.8	0.8
50°	0.0	0.4	0.4	0.4	0.8	1.2
52.5°	0.0	0.8	0.4	0.8	1.2	1.6
55°	0.4	0.8	0.8	1.2	1.6	2.0
57.5°	0.4	1.2	1.2	1.6	2.0	2.0
60°	0.8	1.2	1.6	1.6	2.4	2.4
62.5°	0.8	1.6	1.6	1.6	2.4	2.4
65°	0.8	1.6	1.6	2.0	2.4	2.4
67.5°	0.8	1.6	1.6	1.6	2.0	2.4
70°	0.8	1.6	1.2	1.6	2.0	2.0
72.5°	0.8	1.6	1.2	1.2	1.6	2.0
75°	0.8	1.6	1.2	1.2	1.6	1.6
77.5°	0.8	1.2	1.2	0.8	1.2	1.2
80°	0.8	1.2	0.8	0.8	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.8	1.2	0.8	0.4	0.8	0.8
85°	0.8	1.2	0.8	0.4	0.4	0.4
87.5°	0.8	1.2	0.4	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)