

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: P1343644

Luminaire Tested: P3A13R15B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343644
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

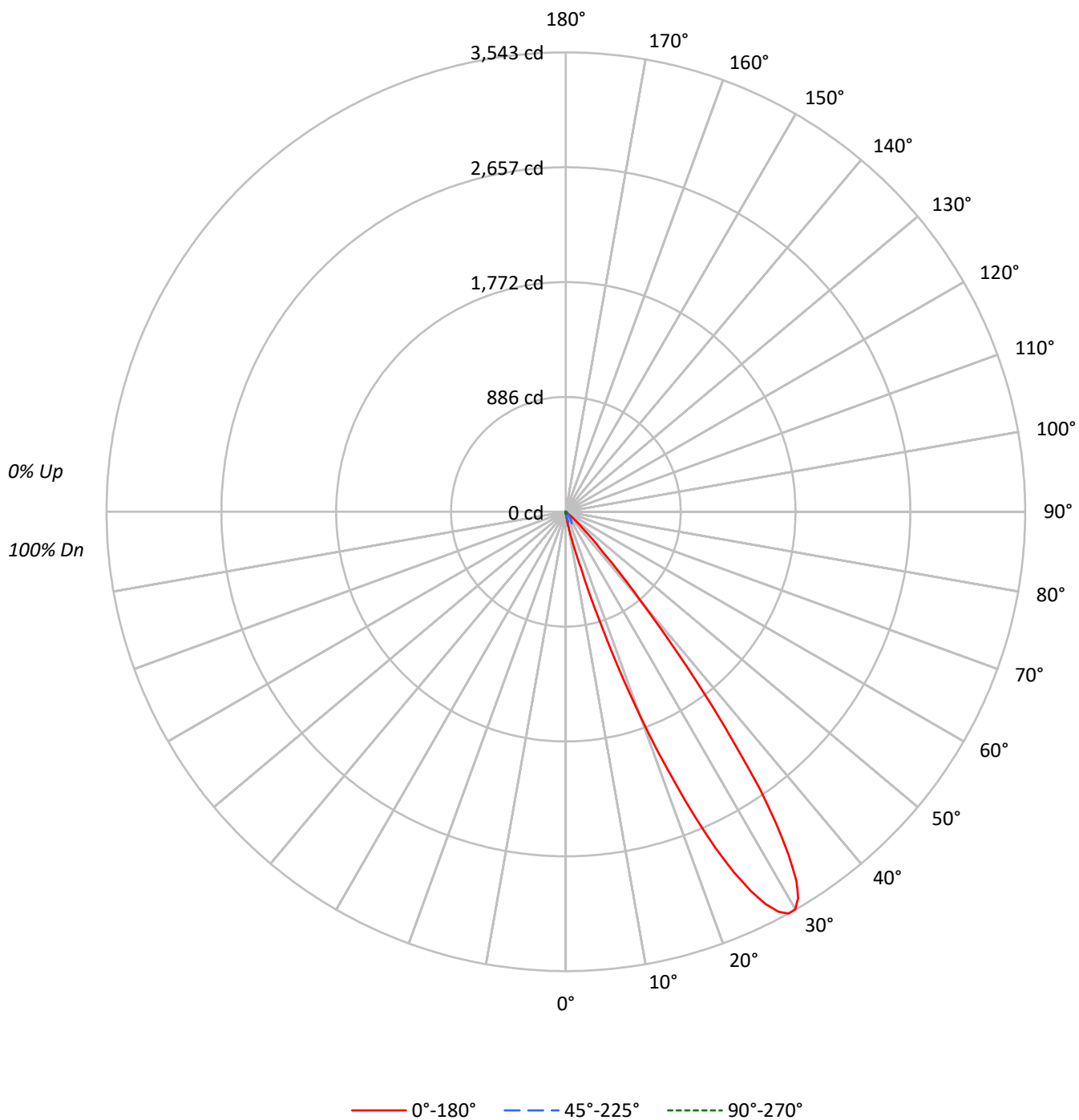
Lumens per Lamp: N/A
Luminaire Lumens: 387.1 lumens
Efficiency: N/A
Efficacy: 20.3 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	98	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	47	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°	2807	2807	2807	2807	2807
5°	6053	4468	2641	1409	1167
10°	26831	8461	2093	579	423
15°	101453	19569	1453	250	182
20°	390121	27582	887	93	93
25°	741865	25864	460	0	0
30°	896189	20864	203	0	0
35°	698971	14214	107	0	0
40°	255078	7013	115	0	115
45°	65495	2109	124	0	248
50°	11053	273	136	136	375
55°	1453	0	306	421	726
60°	175	175	482	658	1009
65°	208	208	778	986	1193
70°	256	256	962	962	1218
75°	339	339	1271	932	1271
80°	0	505	1389	1010	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65495 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.5
10°-20°	29.7	7.7
20°-30°	164.5	42.5
30°-40°	158.9	41.1
40°-50°	27.6	7.1
50°-60°	2.0	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°	195.9	50.6
0°-40°	354.8	91.7
0°-60°	384.4	99.3
0°-90°	387.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	387.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	28	20	12	6	5	5
15°	447	86	6	1	1	199
25°	3066	107	2	0	0	1371
35°	2611	53	0	0	0	1502
45°	211	7	0	0	1	227
55°	4	0	1	1	2	7
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°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
2.5°	18.8	18.1	18.4	18.4	18.4	18.4	18.4	17.7	17.7	18.1	16.2
5°	27.5	27.5	27.1	27.5	27.5	27.1	26.4	26.0	26.0	25.2	20.3
7.5°	55.0	54.2	54.2	53.5	49.7	48.6	47.8	45.9	42.5	41.8	26.4
10°	120.5	120.8	118.2	114.8	114.4	108.8	106.9	103.5	97.1	90.7	38.0
12.5°	218.7	213.8	207.4	207.8	196.9	193.1	184.5	175.1	165.3	155.1	62.5
15°	446.9	432.9	441.2	420.9	397.9	371.9	345.6	312.5	284.2	254.1	86.2
17.5°	941.1	954.7	931.7	844.8	791.3	728.4	640.0	554.5	481.5	422.8	105.4
20°	1671.8	1691.8	1613.9	1538.2	1408.3	1266.8	1119.2	952.1	792.1	653.5	118.2
21°	1977.1	1965.1	1933.1	1811.9	1662.0	1497.9	1317.2	1132.7	938.9	758.9	119.3
22°	2272.3	2277.9	2203.4	2076.5	1920.7	1738.8	1518.2	1290.5	1081.6	844.8	117.5
23°	2566.3	2584.4	2485.7	2366.8	2170.6	1965.5	1710.2	1464.4	1206.2	943.0	113.7
24°	2838.5	2826.0	2759.4	2609.6	2399.9	2159.7	1894.7	1596.5	1308.6	1027.0	110.7
25°	3066.2	3064.7	2960.1	2814.4	2574.6	2308.4	2016.3	1704.6	1396.3	1083.8	106.9
26°	3252.6	3222.1	3139.6	2961.9	2725.1	2444.3	2116.0	1783.3	1445.6	1112.4	103.1
27°	3396.4	3374.5	3263.9	3079.0	2831.7	2521.1	2180.0	1822.4	1468.2	1121.8	98.3
28°	3493.1	3469.4	3351.6	3161.1	2890.4	2569.3	2213.9	1839.0	1468.2	1112.8	93.7
29°	3543.2	3510.8	3393.4	3189.3	2904.0	2574.9	2205.6	1822.8	1445.2	1084.9	88.5
30°	3539.4	3499.1	3376.0	3163.7	2863.7	2528.6	2159.3	1764.4	1393.3	1043.5	82.4
31°	3478.4	3433.3	3295.9	3077.1	2780.5	2441.3	2072.0	1686.1	1322.1	989.7	76.4
32°	3354.6	3297.4	3163.3	2945.4	2652.5	2310.7	1945.1	1565.3	1215.6	911.0	70.0
33°	3152.8	3095.2	2951.4	2747.0	2479.3	2145.0	1776.9	1435.4	1094.4	817.3	64.8
34°	2900.2	2847.5	2723.6	2517.7	2261.0	1935.3	1583.4	1255.8	968.6	724.3	59.1
35°	2611.1	2527.1	2415.0	2251.9	2001.6	1674.1	1374.4	1088.7	839.1	626.8	53.1
36°	2219.9	2235.0	2116.0	1916.5	1709.1	1452.4	1164.7	907.6	701.7	534.2	47.8
37°	1873.2	1849.5	1773.8	1619.5	1438.8	1183.9	976.1	769.5	590.3	451.7	42.2
38°	1511.1	1516.4	1442.2	1323.6	1144.4	973.5	785.7	632.1	493.9	384.4	36.9
39°	1182.8	1178.7	1158.7	1048.8	886.5	774.4	636.6	524.0	411.5	324.1	31.2
40°	891.1	897.8	851.2	784.9	690.4	598.2	507.1	417.9	340.3	273.3	24.5
42.5°	433.3	443.8	413.0	396.0	354.2	318.1	268.4	219.1	186.3	161.1	10.9
45°	211.2	205.2	202.5	194.3	184.5	164.9	146.1	125.4	109.5	94.5	6.8
47.5°	108.0	105.0	105.0	101.6	98.3	91.9	82.4	75.7	68.1	58.7	2.6
50°	32.4	32.0	31.6	32.0	30.9	32.0	32.8	33.1	30.1	29.7	0.8
52.5°	12.8	13.2	12.8	13.9	13.9	13.6	13.9	13.6	13.2	11.7	0.0
55°	3.8	3.8	3.8	3.8	3.8	3.8	4.1	4.5	4.1	4.5	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

TEST NUMBER: P1343644

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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	12.8	12.8	12.8	12.8	12.8	12.8
2.5°	15.1	13.2	10.9	9.0	8.3	7.9
5°	16.2	12.0	8.3	6.4	5.6	5.3
7.5°	17.3	10.9	6.4	4.5	3.4	3.0
10°	18.1	9.4	4.9	2.6	1.9	1.9
12.5°	18.1	7.5	3.4	1.5	1.1	1.1
15°	17.7	6.4	2.3	1.1	0.8	0.8
17.5°	17.3	4.9	1.5	0.8	0.4	0.8
20°	16.2	3.8	0.8	0.4	0.4	0.4
21°	15.8	3.4	0.8	0.4	0.4	0.4
22°	15.1	3.0	0.4	0.0	0.4	0.4
23°	14.3	2.3	0.4	0.0	0.0	0.0
24°	13.2	1.9	0.4	0.0	0.0	0.0
25°	12.4	1.9	0.4	0.0	0.0	0.0
26°	11.7	1.1	0.0	0.0	0.0	0.0
27°	10.5	0.8	0.0	0.0	0.0	0.0
28°	9.8	0.8	0.0	0.0	0.0	0.0
29°	8.7	0.8	0.0	0.0	0.0	0.0
30°	7.5	0.8	0.0	0.0	0.0	0.0
31°	6.0	0.4	0.0	0.0	0.0	0.0
32°	4.9	0.4	0.0	0.0	0.0	0.0
33°	3.4	0.4	0.0	0.0	0.0	0.0
34°	2.3	0.4	0.0	0.0	0.0	0.0
35°	1.9	0.4	0.0	0.0	0.0	0.0
36°	1.1	0.4	0.0	0.0	0.0	0.4
37°	1.1	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	1.1
52.5°	0.0	0.8	0.4	0.8	1.1	1.5
55°	0.4	0.8	0.8	1.1	1.5	1.9
57.5°	0.4	1.1	1.1	1.5	1.9	1.9
60°	0.8	1.1	1.5	1.5	2.3	2.3
62.5°	0.8	1.5	1.5	1.5	2.3	2.3
65°	0.8	1.5	1.5	1.9	2.3	2.3
67.5°	0.8	1.5	1.5	1.5	1.9	2.3
70°	0.8	1.5	1.1	1.5	1.9	1.9
72.5°	0.8	1.5	1.1	1.1	1.5	1.9
75°	0.8	1.5	1.1	1.1	1.5	1.5
77.5°	0.8	1.1	1.1	0.8	1.1	1.1
80°	0.8	1.1	0.8	0.8	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.8	1.1	0.8	0.4	0.8	0.8
85°	0.8	1.1	0.8	0.4	0.4	0.4
87.5°	0.8	1.1	0.4	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)