

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: P1336587

Luminaire Tested: P3A05R15B2750DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336587
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: P3A05R15B2750DE010 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

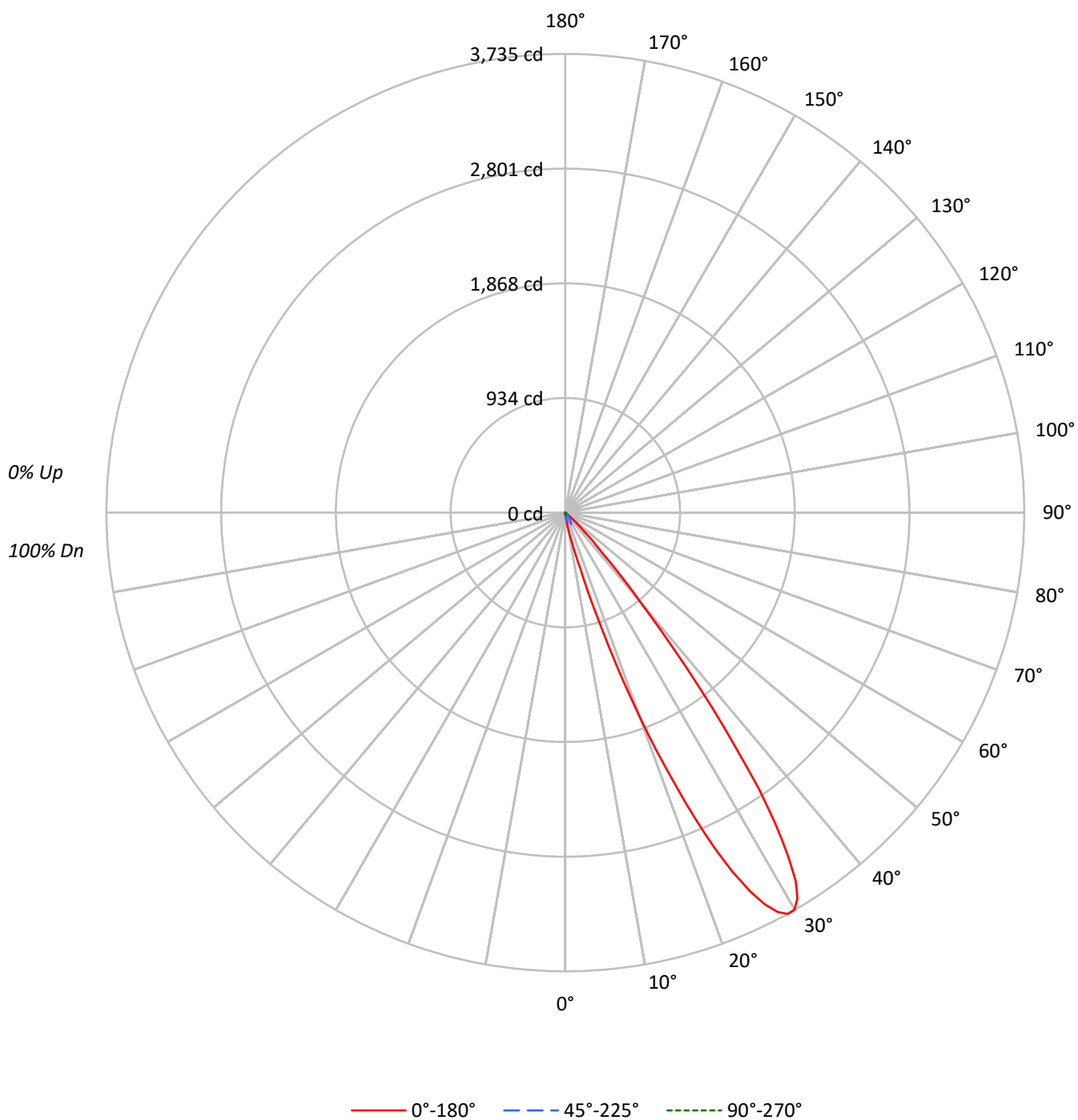
Lumens per Lamp: N/A
Luminaire Lumens: 408.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	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°	2960	2960	2960	2960	2960
5°	6383	4711	2796	1475	1233
10°	28278	8929	2204	623	445
15°	106947	20636	1521	272	182
20°	411309	29076	933	93	93
25°	782126	27268	484	0	0
30°	944829	22003	203	0	0
35°	736903	14991	107	0	0
40°	268904	7385	115	0	115
45°	69061	2202	124	0	248
50°	11633	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: 69061 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.5
10°-20°	31.3	7.7
20°-30°	173.4	42.5
30°-40°	167.5	41.1
40°-50°	29.1	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°	206.5	50.6
0°-40°	374.0	91.7
0°-60°	405.3	99.3
0°-90°	408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	408.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	29	21	13	7	6	6
15°	471	91	7	1	1	210
25°	3233	113	2	0	0	1445
35°	2753	56	0	0	0	1583
45°	223	7	0	0	1	239
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°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
2.5°	19.8	19.1	19.4	19.4	19.4	19.4	19.4	18.7	18.7	19.1	17.1
5°	29.0	29.0	28.6	29.0	29.0	28.6	27.8	27.4	27.4	26.6	21.4
7.5°	57.9	57.2	57.2	56.4	52.4	51.2	50.4	48.4	44.8	44.1	27.8
10°	127.0	127.4	124.6	121.0	120.7	114.7	112.7	109.1	102.4	95.6	40.1
12.5°	230.6	225.4	218.7	219.1	207.6	203.6	194.5	184.5	174.2	163.5	65.9
15°	471.1	456.4	465.1	443.7	419.5	392.1	364.3	329.4	299.6	267.9	90.9
17.5°	992.2	1006.5	982.3	890.6	834.2	768.0	674.7	584.6	507.6	445.7	111.1
20°	1762.6	1783.6	1701.4	1621.7	1484.7	1335.5	1179.9	1003.7	835.0	689.0	124.6
21°	2084.4	2071.7	2038.0	1910.2	1752.2	1579.2	1388.7	1194.2	989.8	800.1	125.8
22°	2395.6	2401.5	2322.9	2189.2	2024.9	1833.2	1600.6	1360.5	1140.2	890.6	123.8
23°	2705.5	2724.6	2620.6	2495.2	2288.4	2072.1	1803.0	1543.9	1271.6	994.2	119.9
24°	2992.5	2979.4	2909.1	2751.2	2530.1	2276.9	1997.5	1683.2	1379.6	1082.7	116.7
25°	3232.6	3231.0	3120.7	2967.1	2714.3	2433.7	2125.7	1797.1	1472.0	1142.6	112.7
26°	3429.1	3396.9	3310.0	3122.7	2873.0	2577.0	2230.9	1880.0	1524.0	1172.8	108.7
27°	3580.7	3557.6	3441.0	3246.1	2985.3	2657.9	2298.3	1921.3	1547.8	1182.7	103.6
28°	3682.7	3657.7	3533.4	3332.6	3047.3	2708.7	2334.1	1938.8	1547.8	1173.2	98.8
29°	3735.4	3701.3	3577.5	3362.4	3061.5	2714.7	2325.3	1921.7	1523.6	1143.8	93.3
30°	3731.5	3689.0	3559.2	3335.4	3019.1	2665.9	2276.5	1860.2	1468.9	1100.2	86.9
31°	3667.2	3619.6	3474.7	3244.1	2931.4	2573.8	2184.4	1777.6	1393.8	1043.4	80.6
32°	3536.6	3476.3	3335.0	3105.2	2796.4	2436.1	2050.7	1650.2	1281.5	960.5	73.8
33°	3323.9	3263.2	3111.6	2896.0	2613.9	2261.4	1873.3	1513.3	1153.7	861.6	68.3
34°	3057.6	3002.0	2871.4	2654.3	2383.7	2040.4	1669.3	1324.0	1021.2	763.6	62.3
35°	2752.8	2664.3	2546.0	2374.1	2110.2	1764.9	1449.0	1147.8	884.6	660.8	56.0
36°	2340.4	2356.3	2230.9	2020.5	1801.8	1531.2	1228.0	956.9	739.8	563.2	50.4
37°	1974.9	1949.9	1870.1	1707.4	1516.9	1248.2	1029.1	811.2	622.3	476.3	44.5
38°	1593.1	1598.6	1520.5	1395.4	1206.5	1026.3	828.3	666.4	520.7	405.2	38.9
39°	1247.0	1242.6	1221.6	1105.7	934.7	816.4	671.1	552.5	433.8	341.7	32.9
40°	939.4	946.6	897.3	827.5	727.9	630.6	534.6	440.5	358.8	288.1	25.8
42.5°	456.8	467.9	435.4	417.5	373.5	335.4	283.0	231.0	196.5	169.9	11.5
45°	222.7	216.3	213.5	204.8	194.5	173.8	154.0	132.2	115.5	99.6	7.1
47.5°	113.9	110.7	110.7	107.2	103.6	96.8	86.9	79.8	71.8	61.9	2.8
50°	34.1	33.7	33.3	33.7	32.5	33.7	34.5	34.9	31.8	31.4	0.8
52.5°	13.5	13.9	13.5	14.7	14.7	14.3	14.7	14.3	13.9	12.3	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: P3A05R15B2750DE010 E3CA301MW_2700K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	13.5	13.5	13.5	13.5	13.5	13.5
2.5°	15.9	13.9	11.5	9.5	8.7	8.3
5°	17.1	12.7	8.7	6.7	6.0	5.6
7.5°	18.3	11.5	6.7	4.8	3.6	3.2
10°	19.1	9.9	5.2	2.8	2.0	2.0
12.5°	19.1	7.9	3.6	1.6	1.2	1.2
15°	18.7	6.7	2.4	1.2	0.8	0.8
17.5°	18.3	5.2	1.6	0.8	0.4	0.8
20°	17.1	4.0	0.8	0.4	0.4	0.4
21°	16.7	3.6	0.8	0.4	0.4	0.4
22°	15.9	3.2	0.4	0.0	0.4	0.4
23°	15.1	2.4	0.4	0.0	0.0	0.0
24°	13.9	2.0	0.4	0.0	0.0	0.0
25°	13.1	2.0	0.4	0.0	0.0	0.0
26°	12.3	1.2	0.0	0.0	0.0	0.0
27°	11.1	0.8	0.0	0.0	0.0	0.0
28°	10.3	0.8	0.0	0.0	0.0	0.0
29°	9.1	0.8	0.0	0.0	0.0	0.0
30°	7.9	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)