

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: P1336591

Luminaire Tested: P3A05R15B2750DE010 E3CA301MW_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336591
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

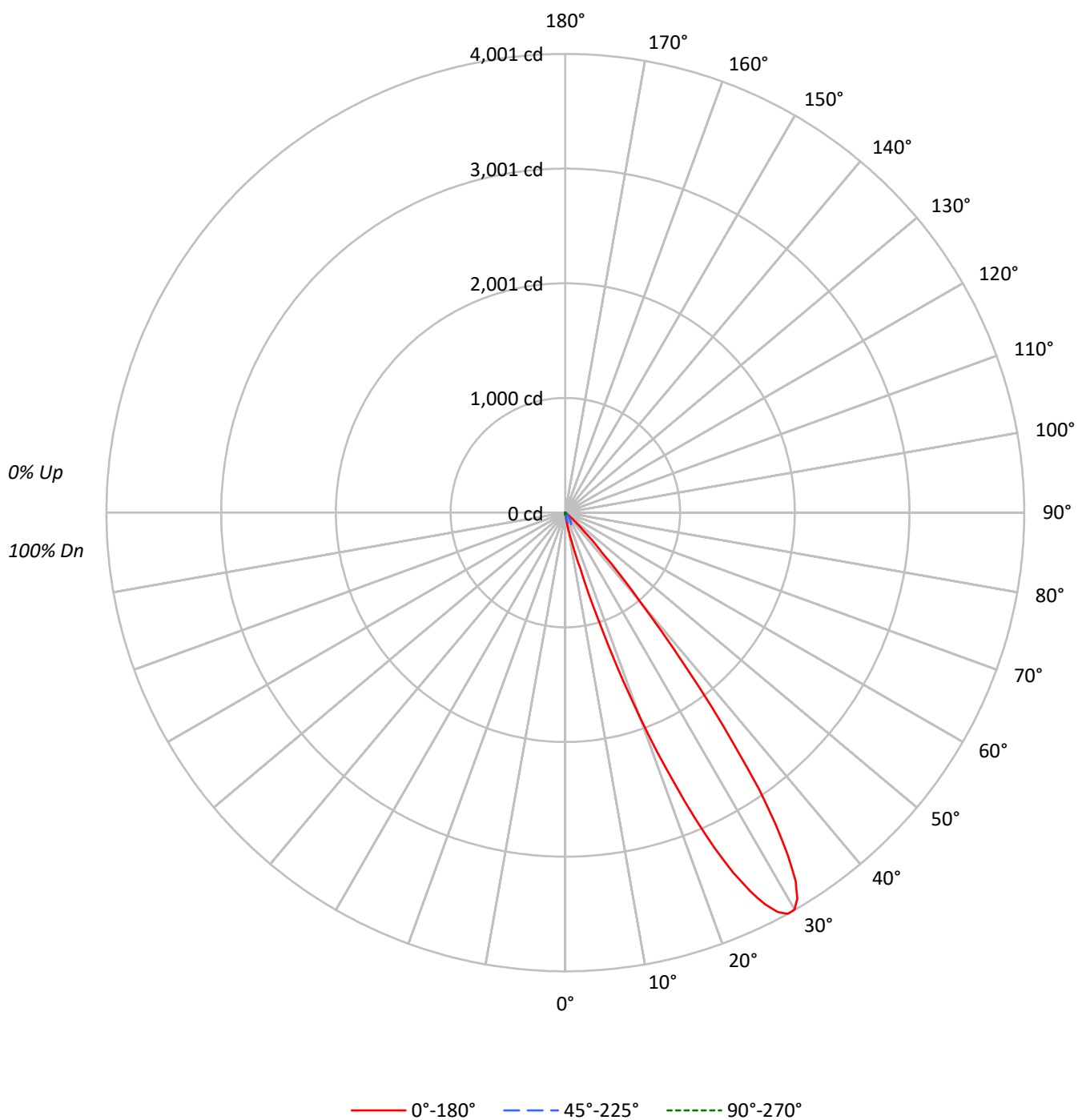
Lumens per Lamp: N/A
Luminaire Lumens: 437.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	78	73	91	83	77	72	81	75	71		79	74	70		77
5	87	77	70	65	85	76	70	65	74	69	64		72	67	64		71
6	81	71	64	59	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60
8	71	60	53	48	70	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3180	3180	3180	3180	3180
5°	6824	5063	2994	1585	1321
10°	30282	9552	2360	668	468
15°	114552	22089	1635	295	204
20°	440525	31153	1003	93	93
25°	837726	29203	508	0	0
30°	1011978	23573	228	0	0
35°	789264	16035	107	0	0
40°	288025	7901	115	0	115
45°	73961	2388	124	0	279
50°	12486	307	136	136	443
55°	1644	0	344	497	803
60°	175	175	570	746	1140
65°	208	208	882	1090	1349
70°	256	256	1090	1090	1346
75°	339	339	1440	1101	1440
80°	0	505	1642	1137	1642
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 73961 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.5
10°-20°	33.5	7.7
20°-30°	185.7	42.5
30°-40°	179.4	41.1
40°-50°	31.2	7.1
50°-60°	2.3	0.5
60°-70°	1.3	0.3
70°-80°	1.1	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°	221.2	50.6
0°-40°	400.6	91.7
0°-60°	434.1	99.3
0°-90°	437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	437.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	31	23	14	7	6	6
15°	505	97	7	1	1	225
25°	3462	121	2	0	0	1548
35°	2948	60	0	0	0	1696
45°	238	8	0	0	1	256
55°	4	0	1	1	2	8
65°	0	0	2	2	3	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°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
2.5°	21.3	20.4	20.8	20.8	20.8	20.8	20.8	20.0	20.0	20.4	18.3
5°	31.0	31.0	30.6	31.0	31.0	30.6	29.8	29.3	29.3	28.5	23.0
7.5°	62.1	61.2	61.2	60.4	56.1	54.8	54.0	51.9	48.0	47.2	29.8
10°	136.0	136.5	133.5	129.7	129.2	122.9	120.7	116.9	109.7	102.4	42.9
12.5°	247.0	241.5	234.2	234.7	222.3	218.1	208.3	197.7	186.6	175.1	70.6
15°	504.6	488.9	498.2	475.3	449.3	420.0	390.2	352.8	320.9	286.9	97.3
17.5°	1062.7	1078.0	1052.1	953.9	893.5	822.6	722.7	626.2	543.7	477.4	119.0
20°	1887.8	1910.4	1822.4	1736.9	1590.3	1430.4	1263.8	1075.1	894.4	738.0	133.5
21°	2232.6	2219.0	2182.8	2046.0	1876.8	1691.4	1487.4	1279.1	1060.2	857.0	134.8
22°	2565.9	2572.2	2488.1	2344.8	2168.8	1963.5	1714.4	1457.2	1221.3	953.9	132.6
23°	2897.8	2918.3	2806.9	2672.5	2451.1	2219.4	1931.2	1653.6	1362.0	1064.9	128.4
24°	3205.2	3191.2	3115.9	2946.7	2710.0	2438.7	2139.5	1802.8	1477.6	1159.6	125.0
25°	3462.4	3460.7	3342.5	3178.0	2907.2	2606.7	2276.8	1924.8	1576.7	1223.8	120.7
26°	3672.8	3638.4	3545.3	3344.6	3077.2	2760.1	2389.4	2013.7	1632.3	1256.1	116.5
27°	3835.2	3810.5	3685.5	3476.8	3197.5	2846.8	2461.7	2057.9	1657.9	1266.8	110.9
28°	3944.4	3917.6	3784.6	3569.5	3263.8	2901.2	2500.0	2076.6	1657.9	1256.6	105.8
29°	4001.0	3964.4	3831.8	3601.4	3279.2	2907.6	2490.6	2058.3	1631.9	1225.1	99.9
30°	3996.7	3951.2	3812.2	3572.5	3233.7	2855.3	2438.3	1992.4	1573.3	1178.4	93.1
31°	3927.8	3876.8	3721.7	3474.7	3139.7	2756.7	2339.7	1904.0	1492.9	1117.6	86.3
32°	3788.0	3723.4	3572.0	3325.9	2995.2	2609.2	2196.4	1767.5	1372.6	1028.7	79.1
33°	3560.1	3495.1	3332.7	3101.9	2799.7	2422.2	2006.4	1620.9	1235.7	922.9	73.1
34°	3274.9	3215.4	3075.5	2843.0	2553.1	2185.4	1787.9	1418.1	1093.8	817.9	66.7
35°	2948.4	2853.6	2727.0	2542.9	2260.2	1890.4	1552.0	1229.4	947.5	707.8	59.9
36°	2506.8	2523.8	2389.4	2164.1	1929.9	1640.0	1315.2	1024.9	792.4	603.2	54.0
37°	2115.3	2088.5	2003.0	1828.7	1624.7	1336.9	1102.3	868.9	666.5	510.1	47.6
38°	1706.3	1712.3	1628.5	1494.6	1292.3	1099.3	887.2	713.7	557.7	434.0	41.7
39°	1335.6	1331.0	1308.4	1184.3	1001.1	874.4	718.8	591.7	464.6	366.0	35.3
40°	1006.2	1013.8	961.1	886.3	779.6	675.5	572.6	471.9	384.3	308.6	27.6
42.5°	489.3	501.2	466.3	447.2	400.0	359.2	303.1	247.4	210.4	181.9	12.3
45°	238.5	231.7	228.7	219.3	208.3	186.2	164.9	141.6	123.7	106.7	7.7
47.5°	122.0	118.6	118.6	114.8	110.9	103.7	93.1	85.4	76.9	66.3	3.0
50°	36.6	36.1	35.7	36.1	34.9	36.1	37.0	37.4	34.0	33.6	0.9
52.5°	14.5	14.9	14.5	15.7	15.7	15.3	15.7	15.3	14.9	13.2	0.0
55°	4.3	4.3	4.3	4.3	4.3	4.3	4.7	5.1	4.7	5.1	0.0
57.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	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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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	14.5	14.5	14.5	14.5	14.5	14.5
2.5°	17.0	14.9	12.3	10.2	9.4	8.9
5°	18.3	13.6	9.4	7.2	6.4	6.0
7.5°	19.6	12.3	7.2	5.1	3.8	3.4
10°	20.4	10.6	5.5	3.0	2.1	2.1
12.5°	20.4	8.5	3.8	1.7	1.3	1.3
15°	20.0	7.2	2.6	1.3	0.9	0.9
17.5°	19.6	5.5	1.7	0.9	0.4	0.9
20°	18.3	4.3	0.9	0.4	0.4	0.4
21°	17.9	3.8	0.9	0.4	0.4	0.4
22°	17.0	3.4	0.4	0.0	0.4	0.4
23°	16.2	2.6	0.4	0.0	0.0	0.0
24°	14.9	2.1	0.4	0.0	0.0	0.0
25°	14.0	2.1	0.4	0.0	0.0	0.0
26°	13.2	1.3	0.0	0.0	0.0	0.0
27°	11.9	0.9	0.0	0.0	0.0	0.0
28°	11.1	0.9	0.0	0.0	0.0	0.0
29°	9.8	0.9	0.0	0.0	0.0	0.0
30°	8.5	0.9	0.0	0.0	0.0	0.0
31°	6.8	0.4	0.0	0.0	0.0	0.0
32°	5.5	0.4	0.0	0.0	0.0	0.0
33°	3.8	0.4	0.0	0.0	0.0	0.0
34°	2.6	0.4	0.0	0.0	0.0	0.0
35°	2.1	0.4	0.0	0.0	0.0	0.0
36°	1.3	0.4	0.0	0.0	0.0	0.4
37°	1.3	0.4	0.0	0.0	0.0	0.4
38°	0.9	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	0.9
45°	0.0	0.4	0.0	0.0	0.4	0.9
47.5°	0.0	0.4	0.0	0.0	0.9	0.9
50°	0.0	0.4	0.4	0.4	0.9	1.3
52.5°	0.0	0.9	0.4	0.9	1.3	1.7
55°	0.4	0.9	0.9	1.3	1.7	2.1
57.5°	0.4	1.3	1.3	1.7	2.1	2.1
60°	0.9	1.3	1.7	1.7	2.6	2.6
62.5°	0.9	1.7	1.7	1.7	2.6	2.6
65°	0.9	1.7	1.7	2.1	2.6	2.6
67.5°	0.9	1.7	1.7	1.7	2.1	2.6
70°	0.9	1.7	1.3	1.7	2.1	2.1
72.5°	0.9	1.7	1.3	1.3	1.7	2.1
75°	0.9	1.7	1.3	1.3	1.7	1.7
77.5°	0.9	1.3	1.3	0.9	1.3	1.3
80°	0.9	1.3	0.9	0.9	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.9	1.3	0.9	0.4	0.9	0.9
85°	0.9	1.3	0.9	0.4	0.4	0.4
87.5°	0.9	1.3	0.4	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)