

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: P1336590

Luminaire Tested: P3A05R15B2750DE010 E3CA301MW_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336590
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

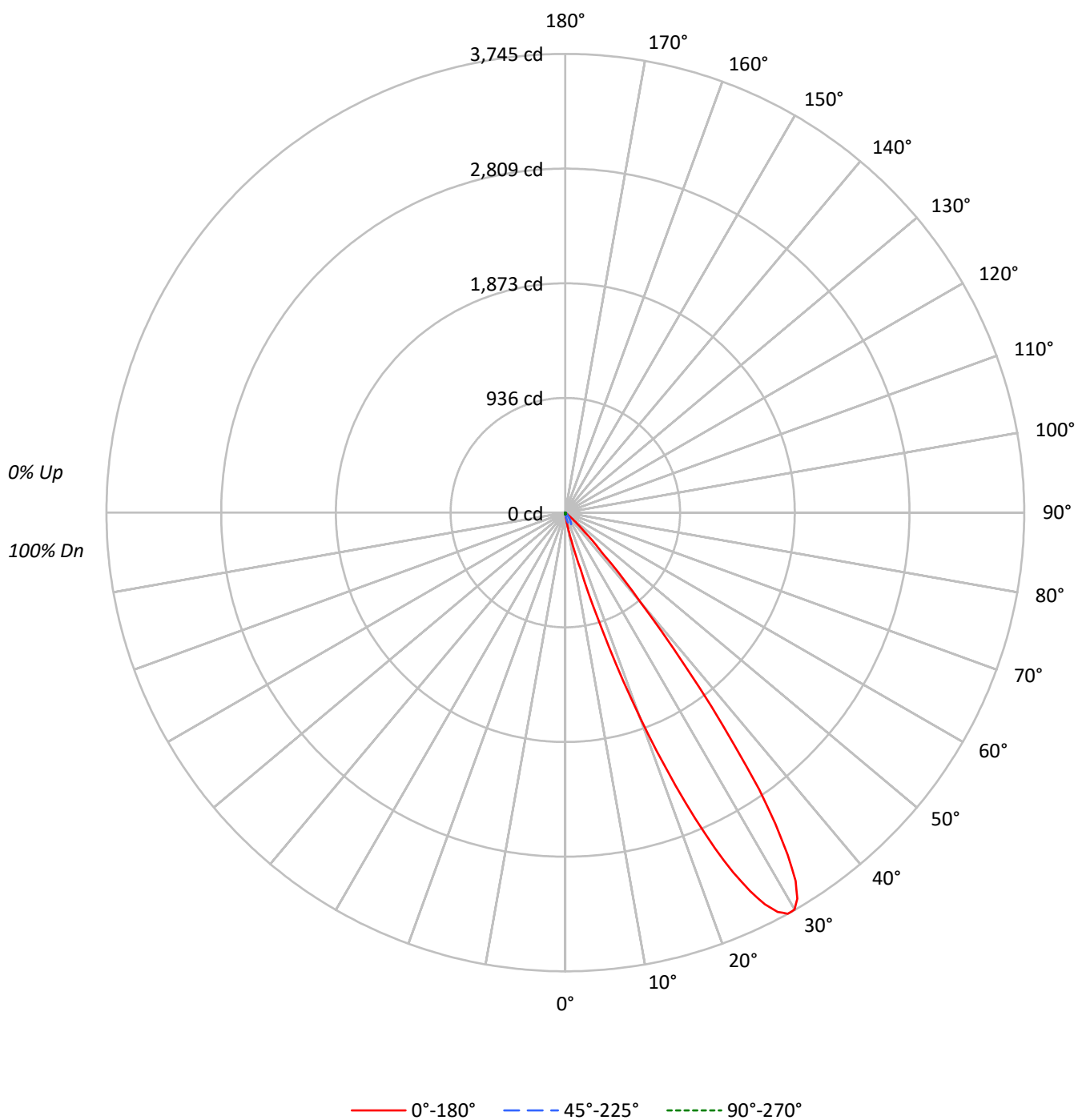
Lumens per Lamp: N/A
Luminaire Lumens: 409.0 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	4733	2796	1497	1233
10°	28345	8951	2204	623	445
15°	107220	20681	1544	272	182
20°	412313	29146	933	93	93
25°	784037	27340	484	0	0
30°	947133	22054	203	0	0
35°	738697	15018	107	0	0
40°	269562	7414	115	0	115
45°	69216	2233	124	0	248
50°	11667	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: 69216 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°	173.8	42.5
30°-40°	167.9	41.1
40°-50°	29.2	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°	207.0	50.6
0°-40°	375.0	91.7
0°-60°	406.3	99.3
0°-90°	409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	409.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	29	22	13	7	6	6
15°	472	91	7	1	1	210
25°	3240	113	2	0	0	1449
35°	2760	56	0	0	0	1587
45°	223	7	0	0	1	240
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°	19.9	19.1	19.5	19.5	19.5	19.5	19.5	18.7	18.7	19.1	17.1
5°	29.0	29.0	28.6	29.0	29.0	28.6	27.8	27.5	27.5	26.7	21.5
7.5°	58.1	57.3	57.3	56.5	52.5	51.3	50.5	48.5	45.0	44.2	27.8
10°	127.3	127.7	124.9	121.3	120.9	115.0	113.0	109.4	102.6	95.9	40.2
12.5°	231.2	226.0	219.2	219.6	208.1	204.1	194.9	185.0	174.7	163.9	66.0
15°	472.3	457.5	466.3	444.8	420.5	393.1	365.2	330.2	300.4	268.6	91.1
17.5°	994.6	1009.0	984.7	892.8	836.3	769.8	676.4	586.0	508.9	446.8	111.4
20°	1766.9	1788.0	1705.6	1625.6	1488.4	1338.8	1182.8	1006.2	837.1	690.7	124.9
21°	2089.5	2076.8	2043.0	1914.9	1756.5	1583.1	1392.1	1197.1	992.2	802.1	126.1
22°	2401.4	2407.4	2328.6	2194.6	2029.9	1837.7	1604.5	1363.8	1143.0	892.8	124.1
23°	2712.2	2731.3	2627.0	2501.3	2294.0	2077.2	1807.5	1547.7	1274.7	996.6	120.2
24°	2999.8	2986.7	2916.3	2757.9	2536.3	2282.5	2002.4	1687.3	1382.9	1085.3	117.0
25°	3240.5	3238.9	3128.3	2974.4	2720.9	2439.6	2130.9	1801.5	1475.6	1145.4	113.0
26°	3437.5	3405.2	3318.1	3130.3	2880.1	2583.3	2236.3	1884.6	1527.8	1175.7	109.0
27°	3589.4	3566.4	3449.4	3254.0	2992.7	2664.4	2304.0	1926.0	1551.6	1185.6	103.8
28°	3691.7	3666.6	3542.1	3340.8	3054.7	2715.4	2339.8	1943.5	1551.6	1176.1	99.1
29°	3744.6	3710.4	3586.3	3370.6	3069.0	2721.3	2331.0	1926.4	1527.4	1146.6	93.5
30°	3740.6	3698.1	3568.0	3343.6	3026.5	2672.4	2282.1	1864.7	1472.5	1102.9	87.1
31°	3676.2	3628.4	3483.2	3252.1	2938.6	2580.1	2189.8	1782.0	1397.3	1046.0	80.8
32°	3545.3	3484.8	3343.2	3112.8	2803.3	2442.0	2055.7	1654.3	1284.7	962.8	74.0
33°	3332.0	3271.2	3119.2	2903.1	2620.3	2267.0	1877.9	1517.0	1156.6	863.7	68.4
34°	3065.1	3009.4	2878.5	2660.8	2389.5	2045.4	1673.4	1327.2	1023.7	765.5	62.5
35°	2759.5	2670.8	2552.2	2380.0	2115.4	1769.3	1452.6	1150.6	886.8	662.4	56.1
36°	2346.1	2362.1	2236.3	2025.5	1806.3	1534.9	1231.0	959.2	741.6	564.6	50.5
37°	1979.7	1954.7	1874.7	1711.6	1520.6	1251.3	1031.6	813.2	623.8	477.4	44.6
38°	1597.0	1602.6	1524.2	1398.9	1209.5	1028.9	830.3	668.0	522.0	406.2	39.0
39°	1250.1	1245.7	1224.6	1108.4	936.9	818.4	672.8	553.8	434.9	342.6	33.0
40°	941.7	948.9	899.5	829.5	729.7	632.2	535.9	441.6	359.7	288.8	25.9
42.5°	457.9	469.1	436.4	418.5	374.4	336.2	283.7	231.6	196.9	170.3	11.5
45°	223.2	216.8	214.0	205.3	194.9	174.3	154.4	132.5	115.8	99.9	7.2
47.5°	114.2	111.0	111.0	107.4	103.8	97.1	87.1	80.0	72.0	62.1	2.8
50°	34.2	33.8	33.4	33.8	32.6	33.8	34.6	35.0	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

TEST NUMBER: P1336590

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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	8.8	8.4
5°	17.1	12.7	8.8	6.8	6.0	5.6
7.5°	18.3	11.5	6.8	4.8	3.6	3.2
10°	19.1	9.9	5.2	2.8	2.0	2.0
12.5°	19.1	8.0	3.6	1.6	1.2	1.2
15°	18.7	6.8	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°	9.2	0.8	0.0	0.0	0.0	0.0
30°	8.0	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)