

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: P1334217

Luminaire Tested: P3A02R15B2750DE010 E3A301GPH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334217
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: P3A02R15B2750DE010 E3A301GPH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

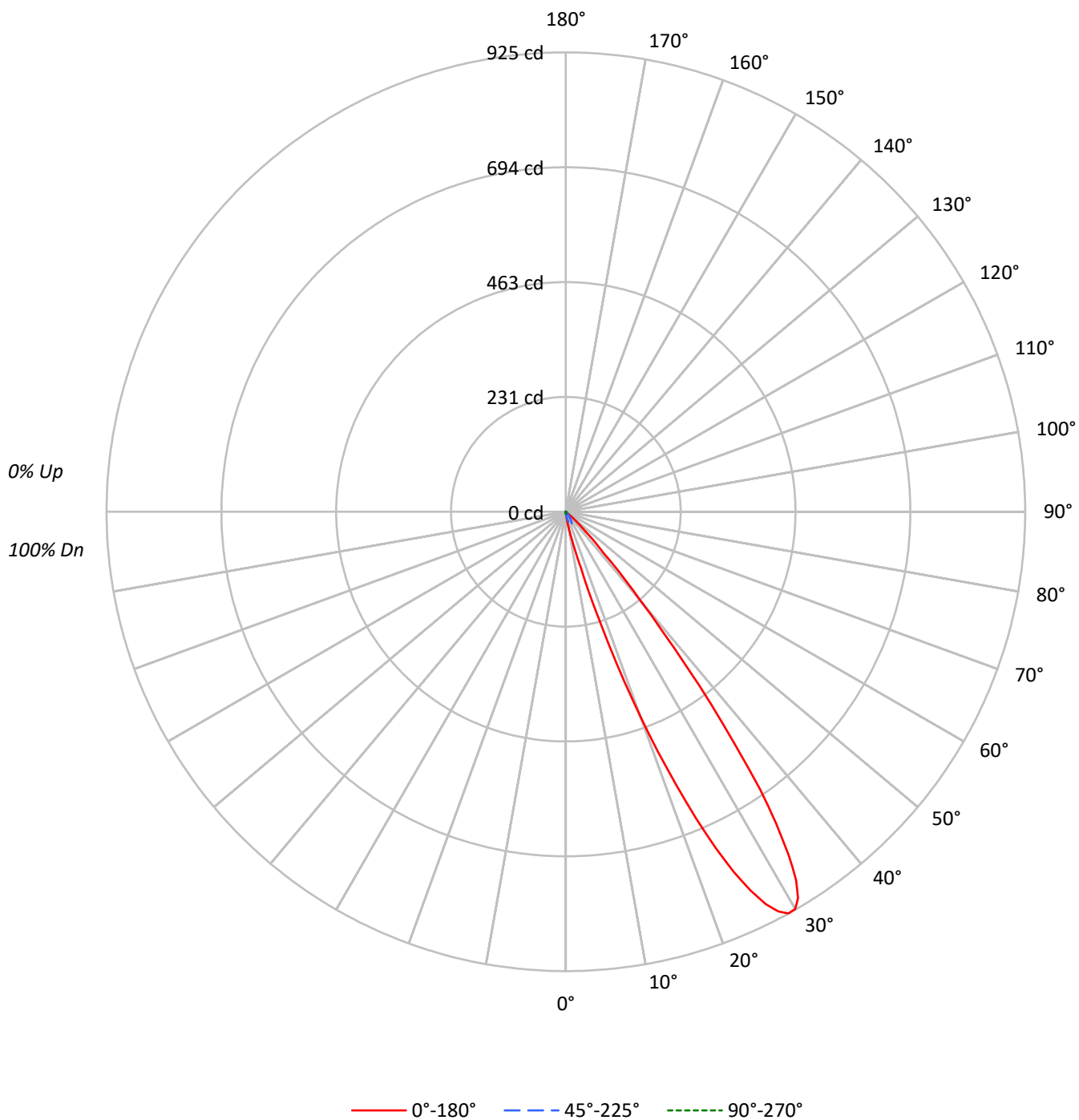
Lumens per Lamp: N/A
Luminaire Lumens: 101.0 lumens
Efficiency: N/A
Efficacy: 34.8 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.5 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	724	724	724	724	724
5°	1585	1167	682	374	308
10°	6992	2204	557	156	111
15°	26470	5108	386	68	45
20°	101812	7187	233	23	23
25°	193608	6750	121	0	0
30°	233884	5444	51	0	0
35°	182406	3721	27	0	0
40°	66582	1832	29	0	29
45°	17087	558	31	0	62
50°	2866	68	34	34	102
55°	382	0	76	115	191
60°	44	44	132	175	263
65°	52	52	208	259	311
70°	64	64	256	256	321
75°	85	85	339	254	339
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17087 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.5
10°-20°	7.7	7.7
20°-30°	42.9	42.5
30°-40°	41.5	41.1
40°-50°	7.2	7.1
50°-60°	0.5	0.5
60°-70°	0.3	0.3
70°-80°	0.3	0.2
80°-90°	0.1	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°	51.1	50.6
0°-40°	92.6	91.7
0°-60°	100.3	99.3
0°-90°	101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	101.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3	3	3	3	3	
5°	7	5	3	2	1	1
15°	117	22	2	0	0	52
25°	800	28	0	0	0	358
35°	681	14	0	0	0	392
45°	55	2	0	0	0	59
55°	1	0	0	0	0	2
65°	0	0	0	0	1	0
75°	0	0	0	0	0	0
85°	0	0	0	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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.9	4.7	4.8	4.8	4.8	4.8	4.8	4.6	4.6	4.7	4.2
5°	7.2	7.2	7.1	7.2	7.2	7.1	6.9	6.8	6.8	6.6	5.3
7.5°	14.3	14.1	14.1	14.0	13.0	12.7	12.5	12.0	11.1	10.9	6.9
10°	31.4	31.5	30.8	30.0	29.9	28.4	27.9	27.0	25.3	23.7	9.9
12.5°	57.1	55.8	54.1	54.2	51.4	50.4	48.1	45.7	43.1	40.5	16.3
15°	116.6	113.0	115.1	109.8	103.8	97.1	90.2	81.5	74.2	66.3	22.5
17.5°	245.6	249.2	243.2	220.5	206.5	190.1	167.0	144.7	125.7	110.3	27.5
20°	436.3	441.5	421.2	401.4	367.5	330.6	292.1	248.5	206.7	170.6	30.8
21°	516.0	512.9	504.5	472.9	433.8	390.9	343.8	295.6	245.0	198.1	31.1
22°	593.0	594.5	575.0	541.9	501.3	453.8	396.2	336.8	282.3	220.5	30.7
23°	669.8	674.5	648.7	617.7	566.5	513.0	446.3	382.2	314.8	246.1	29.7
24°	740.8	737.5	720.2	681.1	626.3	563.6	494.5	416.7	341.5	268.0	28.9
25°	800.2	799.8	772.5	734.5	671.9	602.5	526.2	444.9	364.4	282.9	27.9
26°	848.9	840.9	819.4	773.0	711.2	637.9	552.2	465.4	377.3	290.3	26.9
27°	886.4	880.7	851.8	803.6	739.0	658.0	569.0	475.6	383.2	292.8	25.6
28°	911.6	905.4	874.7	825.0	754.3	670.5	577.8	479.9	383.2	290.4	24.5
29°	924.7	916.3	885.6	832.4	757.9	672.0	575.6	475.7	377.2	283.1	23.1
30°	923.7	913.2	881.1	825.7	747.4	659.9	563.5	460.5	363.6	272.3	21.5
31°	907.8	896.0	860.2	803.1	725.7	637.1	540.8	440.1	345.0	258.3	19.9
32°	875.5	860.6	825.6	768.7	692.3	603.0	507.6	408.5	317.2	237.8	18.3
33°	822.8	807.8	770.3	716.9	647.1	559.8	463.7	374.6	285.6	213.3	16.9
34°	756.9	743.1	710.8	657.1	590.1	505.1	413.2	327.8	252.8	189.0	15.4
35°	681.4	659.5	630.3	587.7	522.4	436.9	358.7	284.1	219.0	163.6	13.9
36°	579.4	583.3	552.2	500.2	446.0	379.0	304.0	236.9	183.1	139.4	12.5
37°	488.9	482.7	462.9	422.7	375.5	309.0	254.8	200.8	154.1	117.9	11.0
38°	394.4	395.7	376.4	345.4	298.7	254.1	205.0	165.0	128.9	100.3	9.6
39°	308.7	307.6	302.4	273.7	231.4	202.1	166.1	136.8	107.4	84.6	8.2
40°	232.6	234.3	222.1	204.8	180.2	156.1	132.3	109.1	88.8	71.3	6.4
42.5°	113.1	115.8	107.8	103.4	92.5	83.0	70.1	57.2	48.6	42.0	2.8
45°	55.1	53.5	52.9	50.7	48.1	43.0	38.1	32.7	28.6	24.7	1.8
47.5°	28.2	27.4	27.4	26.5	25.6	24.0	21.5	19.7	17.8	15.3	0.7
50°	8.4	8.4	8.3	8.4	8.1	8.4	8.5	8.6	7.9	7.8	0.2
52.5°	3.3	3.4	3.3	3.6	3.6	3.5	3.6	3.5	3.4	3.0	0.0
55°	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.1	1.2	0.0
57.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1



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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	0.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
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: P3A02R15B2750DE010 E3A301GPH_5000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	3.9	3.4	2.8	2.4	2.2	2.1
5°	4.2	3.1	2.2	1.7	1.5	1.4
7.5°	4.5	2.8	1.7	1.2	0.9	0.8
10°	4.7	2.5	1.3	0.7	0.5	0.5
12.5°	4.7	2.0	0.9	0.4	0.3	0.3
15°	4.6	1.7	0.6	0.3	0.2	0.2
17.5°	4.5	1.3	0.4	0.2	0.1	0.2
20°	4.2	1.0	0.2	0.1	0.1	0.1
21°	4.1	0.9	0.2	0.1	0.1	0.1
22°	3.9	0.8	0.1	0.0	0.1	0.1
23°	3.7	0.6	0.1	0.0	0.0	0.0
24°	3.4	0.5	0.1	0.0	0.0	0.0
25°	3.2	0.5	0.1	0.0	0.0	0.0
26°	3.0	0.3	0.0	0.0	0.0	0.0
27°	2.8	0.2	0.0	0.0	0.0	0.0
28°	2.6	0.2	0.0	0.0	0.0	0.0
29°	2.3	0.2	0.0	0.0	0.0	0.0
30°	2.0	0.2	0.0	0.0	0.0	0.0
31°	1.6	0.1	0.0	0.0	0.0	0.0
32°	1.3	0.1	0.0	0.0	0.0	0.0
33°	0.9	0.1	0.0	0.0	0.0	0.0
34°	0.6	0.1	0.0	0.0	0.0	0.0
35°	0.5	0.1	0.0	0.0	0.0	0.0
36°	0.3	0.1	0.0	0.0	0.0	0.1
37°	0.3	0.1	0.0	0.0	0.0	0.1
38°	0.2	0.1	0.0	0.0	0.0	0.1
39°	0.1	0.1	0.0	0.0	0.0	0.1
40°	0.1	0.1	0.0	0.0	0.0	0.1
42.5°	0.0	0.1	0.0	0.0	0.1	0.2
45°	0.0	0.1	0.0	0.0	0.1	0.2
47.5°	0.0	0.1	0.0	0.0	0.2	0.2
50°	0.0	0.1	0.1	0.1	0.2	0.3
52.5°	0.0	0.2	0.1	0.2	0.3	0.4
55°	0.1	0.2	0.2	0.3	0.4	0.5
57.5°	0.1	0.3	0.3	0.4	0.5	0.5
60°	0.2	0.3	0.4	0.4	0.6	0.6
62.5°	0.2	0.4	0.4	0.4	0.6	0.6
65°	0.2	0.4	0.4	0.5	0.6	0.6
67.5°	0.2	0.4	0.4	0.4	0.5	0.6
70°	0.2	0.4	0.3	0.4	0.5	0.5
72.5°	0.2	0.4	0.3	0.3	0.4	0.5
75°	0.2	0.4	0.3	0.3	0.4	0.4
77.5°	0.2	0.3	0.3	0.2	0.3	0.3
80°	0.2	0.3	0.2	0.2	0.3	0.3



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.2	0.3	0.2	0.1	0.2	0.2
85°	0.2	0.3	0.2	0.1	0.1	0.1
87.5°	0.2	0.3	0.1	0.0	0.0	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)