

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: P1334890

Luminaire Tested: P3A02R25B2750DE010 E3A301WMH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R25B2750DE010 E3A301WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

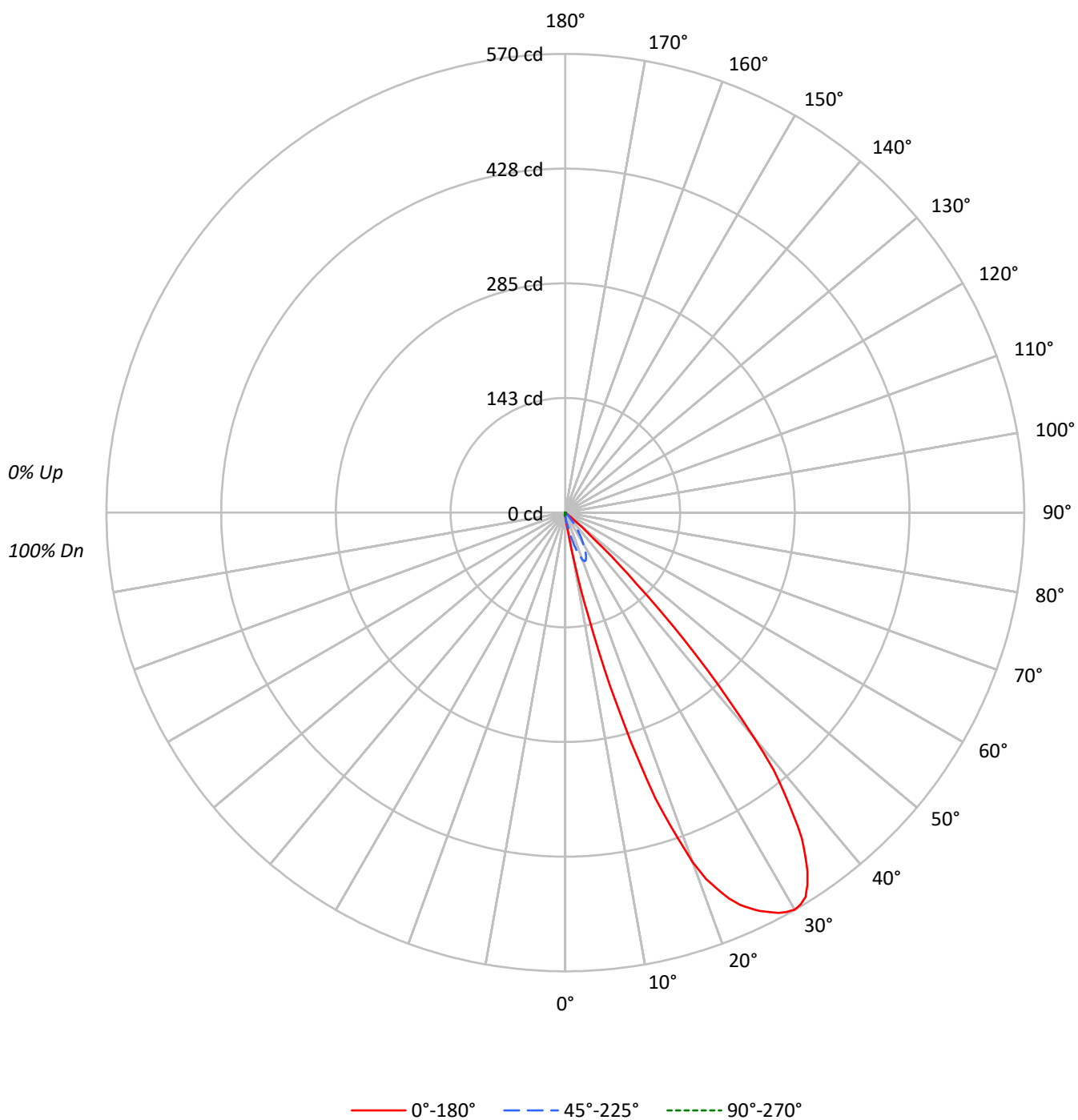
Lumens per Lamp: N/A
Luminaire Lumens: 113.9 lumens
Efficiency: N/A
Efficacy: 39.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.52 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	95	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	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	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	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1074	1074	1074	1074	1074
5°	2685	1981	1013	506	396
10°	11779	3384	824	245	156
15°	55982	9126	590	91	68
20°	107739	14608	373	23	23
25°	131209	14735	218	0	0
30°	144275	11293	76	0	0
35°	139039	7174	27	0	0
40°	103880	3092	0	0	29
45°	38454	837	31	31	93
50°	4537	102	68	68	136
55°	459	0	76	115	191
60°	44	0	132	175	219
65°	52	52	208	259	311
70°	64	64	256	256	385
75°	85	85	254	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: 38454 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.6
10°-20°	13.3	11.7
20°-30°	41.7	36.6
30°-40°	43.9	38.5
40°-50°	12.9	11.3
50°-60°	0.7	0.6
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°	55.7	48.9
0°-40°	99.6	87.4
0°-60°	113.2	99.4
0°-90°	113.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	113.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	12	9	5	2	2	2
15°	247	40	3	0	0	78
25°	542	61	1	0	0	249
35°	519	27	0	0	0	313
45°	124	3	0	0	0	113
55°	1	0	0	0	0	3
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°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	7.6	7.7	7.3	7.6	7.3	7.2	7.1	6.6	5.7	4.9	4.0
5°	12.2	12.2	11.7	11.6	11.4	11.0	10.5	9.0	6.5	4.6	3.2
7.5°	19.1	19.0	18.8	18.3	17.2	16.2	15.1	11.8	7.1	4.3	2.4
10°	52.9	52.1	51.2	45.4	38.9	33.2	28.2	15.2	7.7	3.7	1.8
12.5°	131.4	127.1	117.0	105.5	90.8	75.4	60.3	24.8	7.9	3.1	1.3
15°	246.6	237.7	222.0	199.0	169.0	135.3	106.6	40.2	7.7	2.6	1.0
17.5°	372.3	363.8	342.0	307.1	262.9	211.1	160.3	53.3	7.1	2.1	0.6
20°	461.7	452.7	432.3	395.2	347.5	278.5	211.0	62.6	6.7	1.6	0.3
21°	487.9	478.8	457.3	421.5	371.3	302.1	227.3	64.2	6.4	1.4	0.2
22°	504.5	499.2	476.0	441.3	390.1	321.0	241.2	65.0	6.2	1.3	0.2
23°	521.2	513.2	491.5	454.9	404.5	335.0	251.5	64.5	6.0	1.1	0.1
24°	533.5	526.8	501.6	465.4	414.5	343.7	257.6	63.1	5.6	1.0	0.1
25°	542.3	536.2	509.9	472.6	421.2	348.3	259.5	60.9	5.3	0.9	0.1
26°	550.7	544.0	516.8	476.7	424.7	349.8	257.7	58.6	5.0	0.7	0.0
27°	556.8	550.0	521.6	479.2	424.9	348.0	252.8	55.4	4.7	0.6	0.0
28°	563.3	555.4	524.9	480.6	423.6	343.8	245.8	52.0	4.5	0.5	0.0
29°	567.2	559.8	528.3	482.0	421.0	336.6	235.6	48.0	3.9	0.3	0.0
30°	569.8	561.0	528.0	480.4	417.5	329.0	223.4	44.6	3.4	0.3	0.0
31°	567.7	558.4	524.6	476.0	411.8	319.0	210.8	40.3	2.8	0.2	0.0
32°	563.1	552.1	518.6	468.2	401.7	306.1	197.8	36.8	2.0	0.2	0.0
33°	551.9	542.7	507.9	457.8	388.5	288.7	180.9	33.4	1.4	0.1	0.0
34°	537.9	528.6	493.2	443.9	370.9	266.1	160.4	29.9	1.2	0.1	0.0
35°	519.4	510.2	476.6	424.4	347.5	239.0	139.2	26.8	1.0	0.1	0.0
36°	499.9	487.8	455.7	403.6	316.1	208.2	116.6	23.3	0.7	0.1	0.0
37°	471.3	463.1	427.5	372.1	282.2	178.6	100.1	20.1	0.5	0.1	0.0
38°	441.6	434.1	399.3	340.3	244.3	149.3	83.8	17.0	0.4	0.0	0.0
39°	411.0	398.4	364.1	299.5	204.6	125.1	70.5	14.3	0.2	0.0	0.0
40°	362.9	353.3	316.6	250.6	169.3	101.4	60.1	10.8	0.2	0.0	0.0
42.5°	240.6	231.7	193.2	135.9	90.0	59.2	39.7	4.3	0.0	0.1	0.0
45°	124.0	118.4	96.2	71.2	51.1	36.4	25.5	2.7	0.0	0.1	0.1
47.5°	49.2	48.3	43.6	37.7	29.0	21.6	13.9	1.2	0.0	0.1	0.1
50°	13.3	13.4	12.6	11.6	10.5	9.9	5.8	0.3	0.0	0.2	0.1
52.5°	5.6	5.7	5.5	5.2	4.7	3.5	2.3	0.1	0.1	0.2	0.2
55°	1.2	1.3	1.4	1.5	1.7	1.5	1.0	0.0	0.1	0.2	0.2
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.0	0.1	0.2	0.3
60°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.3
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.4
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
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):

	135°	157.5°	180°
0°	4.9	4.9	4.9
2.5°	3.4	3.1	3.0
5°	2.3	2.0	1.8
7.5°	1.6	1.3	1.2
10°	1.1	0.9	0.7
12.5°	0.7	0.4	0.4
15°	0.4	0.3	0.3
17.5°	0.2	0.1	0.1
20°	0.1	0.1	0.1
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.1
39°	0.0	0.1	0.1
40°	0.0	0.1	0.1
42.5°	0.0	0.1	0.2
45°	0.1	0.2	0.3
47.5°	0.2	0.3	0.4
50°	0.2	0.4	0.4
52.5°	0.3	0.4	0.5
55°	0.3	0.5	0.5
57.5°	0.4	0.5	0.6
60°	0.4	0.5	0.5
62.5°	0.4	0.6	0.6
65°	0.5	0.6	0.6
67.5°	0.5	0.6	0.6
70°	0.4	0.5	0.6
72.5°	0.4	0.5	0.5
75°	0.3	0.4	0.4
77.5°	0.3	0.3	0.4
80°	0.2	0.3	0.3

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.2	0.2	0.2
85°	0.1	0.1	0.1
87.5°	0.1	0.1	0.1
90°	0.0	0.0	0.0

(END OF REPORT)