

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: P1335222

Luminaire Tested: P3A02R30B2750DE010 E3A301WMH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R30B2750DE010 E3A301WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

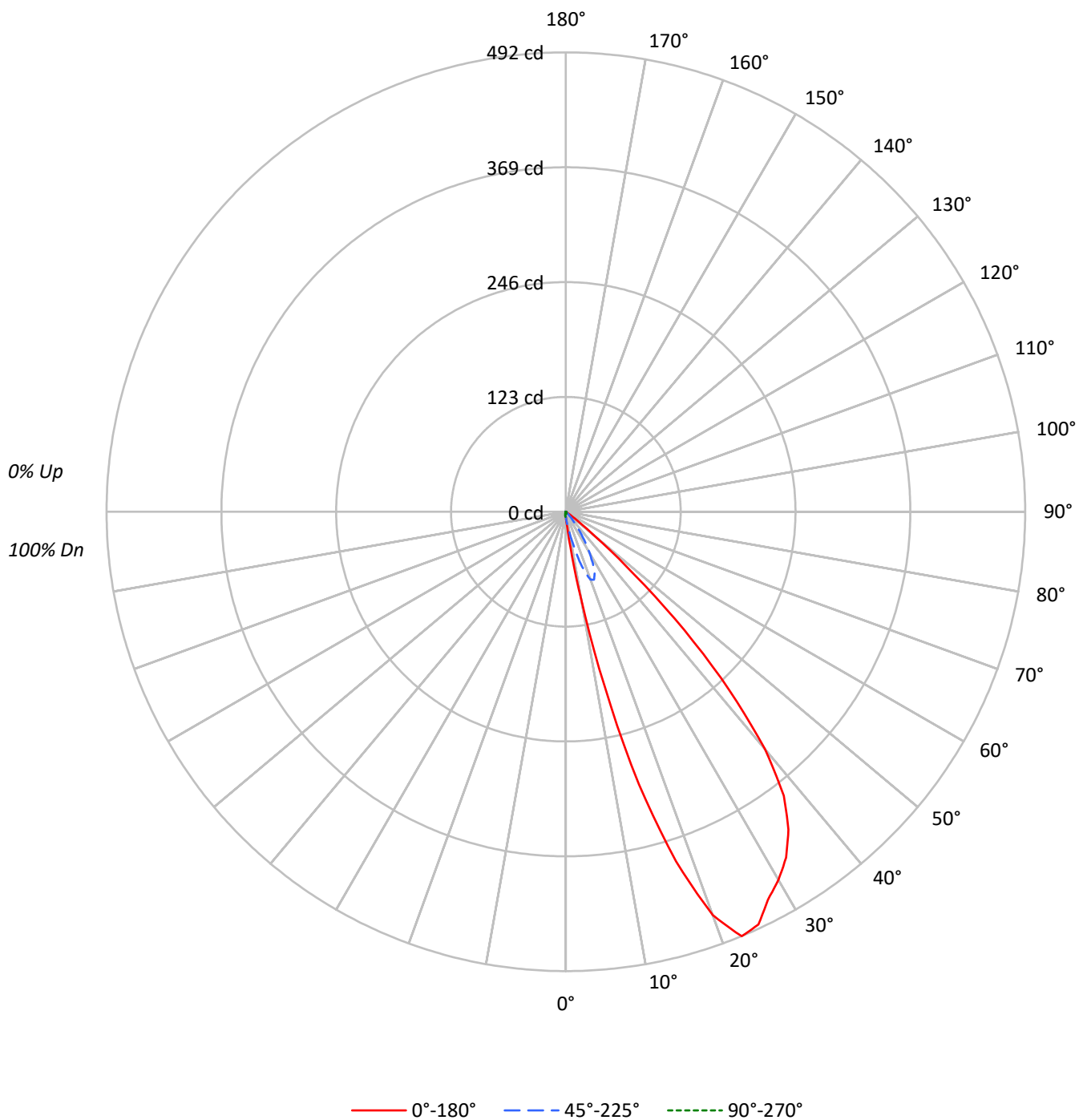
Lumens per Lamp: N/A
Luminaire Lumens: 115.9 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	88	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	64	58	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	48	58	52	47	57	51	47	56	51	47	47	47	45
9	67	55	48	43	65	55	48	43	53	47	43	53	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1206	1206	1206	1206	1206
5°	3632	2421	1145	506	418
10°	21086	5144	891	245	156
15°	68559	11669	636	45	23
20°	107273	18062	397	0	0
25°	118023	17638	194	0	0
30°	115284	12711	76	0	0
35°	111253	7228	27	0	0
40°	94892	3063	0	0	0
45°	55696	1147	31	0	31
50°	13509	205	34	34	102
55°	1185	0	76	115	153
60°	44	0	88	132	219
65°	52	52	156	156	259
70°	64	64	192	192	256
75°	0	85	254	254	254
80°	0	126	379	253	253
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55696 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.9
10°-20°	15.9	13.7
20°-30°	40.5	34.9
30°-40°	40.4	34.8
40°-50°	16.4	14.1
50°-60°	1.1	1.0
60°-70°	0.2	0.2
70°-80°	0.2	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°	57.5	49.6
0°-40°	97.8	84.4
0°-60°	115.3	99.5
0°-90°	115.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	115.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	16	11	5	2	2	4
15°	302	51	3	0	0	88
25°	488	73	1	0	0	220
35°	416	27	0	0	0	255
45°	180	4	0	0	0	137
55°	3	0	0	0	0	8
65°	0	0	0	0	0	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°	35°	40°	45°	67.5°
0°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	9.1	9.2	9.2	9.0	8.9	8.9	8.6	8.5	8.2	7.8	6.8
5°	16.5	16.2	15.8	15.8	14.8	14.3	13.6	12.7	12.1	11.0	7.8
7.5°	37.5	35.0	34.2	33.3	29.7	26.8	23.5	20.7	18.0	15.8	8.7
10°	94.7	89.7	85.5	77.2	66.7	56.6	47.3	36.5	29.0	23.1	9.3
12.5°	190.7	184.0	176.1	160.8	141.2	116.1	93.8	70.1	49.2	34.0	9.5
15°	302.0	290.6	278.2	258.8	226.7	190.7	150.5	112.7	79.0	51.4	9.3
17.5°	392.7	388.3	369.9	343.4	304.1	257.7	208.2	156.5	106.5	67.3	8.7
20°	459.7	456.6	434.5	406.3	362.0	308.8	245.9	183.8	125.7	77.4	7.7
22.5°	492.0	491.5	475.5	446.7	399.7	339.4	270.2	199.6	131.6	78.8	6.5
25°	487.8	489.7	480.6	459.2	414.1	352.0	277.4	199.6	127.3	72.9	5.4
27.5°	468.5	469.8	464.1	447.6	405.7	342.9	267.3	186.8	114.7	62.6	4.5
30°	455.3	455.8	448.7	431.1	386.6	322.1	243.6	163.0	95.6	50.2	3.3
32.5°	439.1	439.0	430.8	410.6	361.6	293.0	213.5	134.7	73.5	38.2	1.9
35°	415.6	413.0	401.7	378.5	324.2	253.8	175.0	102.6	52.9	27.0	1.2
37.5°	383.3	376.4	360.5	329.4	271.9	199.0	129.7	72.1	36.1	17.9	0.7
40°	331.5	324.1	302.5	264.8	205.6	143.2	87.4	47.0	22.8	10.7	0.4
42.5°	259.9	254.9	225.8	188.1	135.8	91.4	52.6	27.8	12.8	6.1	0.1
45°	179.6	173.1	150.2	118.3	81.5	50.7	29.5	14.5	7.3	3.7	0.0
47.5°	99.1	91.2	77.9	61.3	41.0	26.6	14.8	7.8	4.1	1.8	0.0
50°	39.6	39.3	31.3	22.3	15.7	12.1	7.4	4.2	2.1	0.6	0.1
52.5°	13.9	13.9	12.0	9.8	7.6	5.5	3.7	2.0	0.7	0.2	0.1
55°	3.1	3.4	3.2	3.0	2.9	2.4	1.6	0.7	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.2	0.0	0.0	0.1
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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):

	90°	112.5°	135°	157.5°	180°
0°	5.5	5.5	5.5	5.5	5.5
2.5°	5.5	4.3	3.6	3.2	3.1
5°	5.2	3.3	2.3	2.0	1.9
7.5°	4.7	2.4	1.6	1.3	1.2
10°	4.0	1.8	1.1	0.7	0.7
12.5°	3.4	1.4	0.6	0.3	0.2
15°	2.8	0.8	0.2	0.1	0.1
17.5°	2.1	0.5	0.0	0.0	0.0
20°	1.7	0.2	0.0	0.0	0.0
22.5°	1.3	0.1	0.0	0.0	0.0
25°	0.8	0.0	0.0	0.0	0.0
27.5°	0.5	0.0	0.0	0.0	0.0
30°	0.3	0.0	0.0	0.0	0.0
32.5°	0.1	0.0	0.0	0.0	0.0
35°	0.1	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.1	0.0	0.0	0.1	0.1
47.5°	0.1	0.1	0.1	0.2	0.2
50°	0.1	0.1	0.1	0.2	0.3
52.5°	0.2	0.1	0.2	0.3	0.3
55°	0.2	0.2	0.3	0.4	0.4
57.5°	0.2	0.2	0.3	0.4	0.4
60°	0.2	0.2	0.3	0.4	0.5
62.5°	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.4	0.5
67.5°	0.3	0.3	0.3	0.4	0.5
70°	0.3	0.3	0.3	0.4	0.4
72.5°	0.4	0.3	0.3	0.4	0.4
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.2	0.3	0.3
80°	0.3	0.2	0.2	0.2	0.2
82.5°	0.3	0.2	0.2	0.2	0.2
85°	0.3	0.2	0.1	0.1	0.1
87.5°	0.3	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)