

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: P1335218

Luminaire Tested: P3A02R30B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335218
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

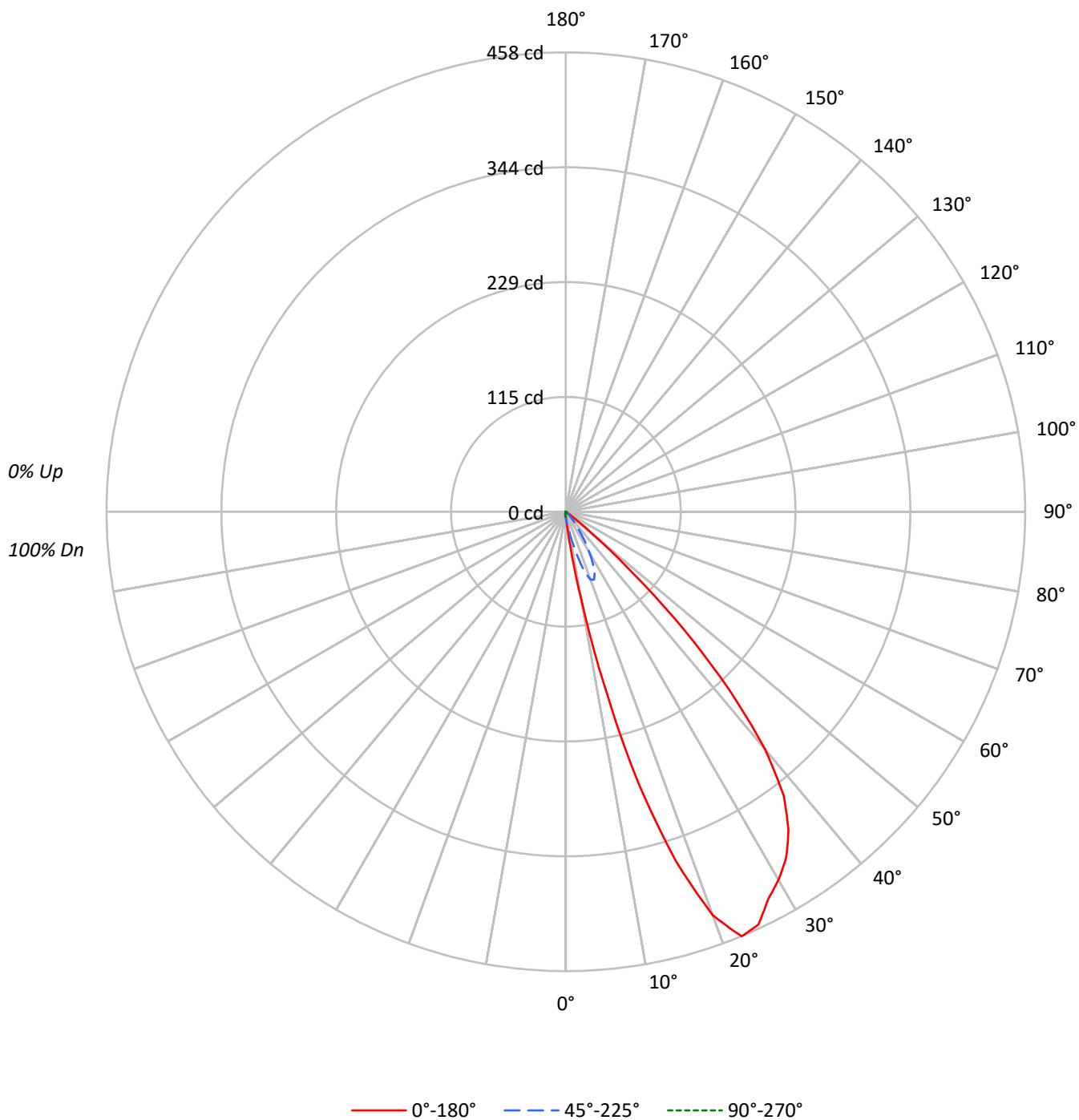
Lumens per Lamp: N/A
Luminaire Lumens: 108.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.51 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	87	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	66	55	48	43	65	55	48	43	53	47	43	52	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°	1118	1118	1118	1118	1118
5°	3390	2267	1057	484	396
10°	19617	4787	846	223	156
15°	63837	10874	590	45	23
20°	99875	16801	373	0	0
25°	109893	16428	194	0	0
30°	107333	11850	76	0	0
35°	103597	6746	27	0	0
40°	88337	2863	0	0	0
45°	51850	1085	31	0	31
50°	12588	205	34	34	102
55°	1109	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: 51850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.9
10°-20°	14.8	13.7
20°-30°	37.7	34.9
30°-40°	37.6	34.8
40°-50°	15.2	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°	53.5	49.5
0°-40°	91.1	84.3
0°-60°	107.4	99.4
0°-90°	108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	108.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	15	10	5	2	2	4
15°	281	48	3	0	0	82
25°	454	68	1	0	0	205
35°	387	25	0	0	0	237
45°	167	4	0	0	0	128
55°	3	0	0	0	0	7
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°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	8.5	8.6	8.6	8.4	8.3	8.3	8.0	7.9	7.6	7.3	6.3
5°	15.4	15.1	14.7	14.7	13.8	13.3	12.6	11.8	11.3	10.3	7.3
7.5°	34.9	32.6	31.9	31.0	27.6	25.0	21.9	19.2	16.8	14.7	8.1
10°	88.1	83.5	79.6	71.8	62.1	52.7	44.0	33.9	27.0	21.5	8.7
12.5°	177.5	171.3	163.9	149.7	131.5	108.1	87.3	65.2	45.8	31.7	8.9
15°	281.2	270.6	259.1	241.0	211.1	177.5	140.1	104.9	73.5	47.9	8.7
17.5°	365.6	361.5	344.4	319.7	283.1	239.9	193.8	145.7	99.2	62.7	8.1
20°	428.0	425.1	404.5	378.3	337.0	287.5	229.0	171.1	117.0	72.0	7.2
22.5°	458.1	457.6	442.7	415.9	372.1	316.0	251.6	185.8	122.6	73.3	6.0
25°	454.2	455.9	447.4	427.5	385.6	327.7	258.3	185.8	118.5	67.9	5.0
27.5°	436.2	437.4	432.1	416.8	377.7	319.3	248.9	173.9	106.8	58.3	4.1
30°	423.9	424.4	417.7	401.4	359.9	299.9	226.8	151.8	89.0	46.8	3.1
32.5°	408.9	408.8	401.1	382.3	336.6	272.8	198.8	125.4	68.4	35.5	1.8
35°	387.0	384.5	374.0	352.4	301.9	236.3	162.9	95.5	49.2	25.2	1.1
37.5°	356.9	350.4	335.6	306.7	253.1	185.2	120.8	67.1	33.7	16.7	0.7
40°	308.6	301.8	281.7	246.5	191.5	133.3	81.4	43.7	21.2	10.0	0.4
42.5°	242.0	237.3	210.2	175.2	126.4	85.1	48.9	25.9	11.9	5.7	0.1
45°	167.2	161.2	139.8	110.1	75.9	47.2	27.4	13.5	6.8	3.5	0.0
47.5°	92.3	84.9	72.5	57.0	38.2	24.8	13.8	7.3	3.8	1.7	0.0
50°	36.9	36.6	29.1	20.7	14.6	11.3	6.9	3.9	2.0	0.6	0.1
52.5°	12.9	12.9	11.2	9.1	7.1	5.1	3.5	1.9	0.7	0.2	0.1
55°	2.9	3.2	3.0	2.8	2.7	2.3	1.5	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°	5.1	5.1	5.1	5.1	5.1
2.5°	5.1	4.0	3.4	3.0	2.9
5°	4.8	3.1	2.2	1.9	1.8
7.5°	4.3	2.3	1.5	1.2	1.1
10°	3.8	1.7	1.0	0.7	0.7
12.5°	3.2	1.3	0.6	0.3	0.2
15°	2.6	0.8	0.2	0.1	0.1
17.5°	2.0	0.5	0.0	0.0	0.0
20°	1.6	0.2	0.0	0.0	0.0
22.5°	1.2	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)