

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: P1334563

Luminaire Tested: P3A02R20B2750DE010 E3A301WMH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R20B2750DE010 E3A301WMH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

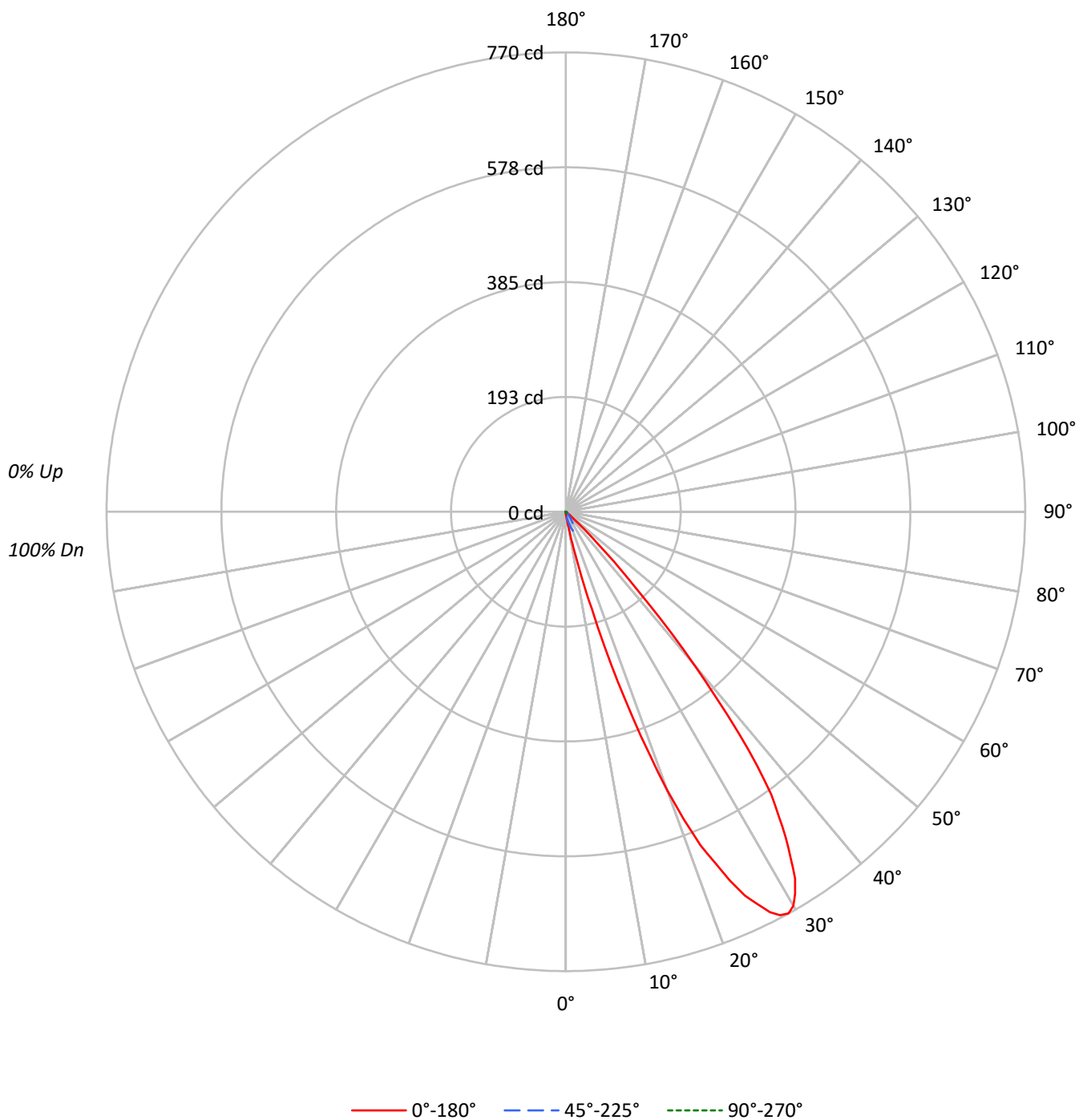
Lumens per Lamp: N/A
Luminaire Lumens: 108.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.55 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	71	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	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	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	811	811	811	811	811
5°	1871	1409	770	484	418
10°	5923	2449	623	267	200
15°	38298	4518	477	91	23
20°	115603	7724	327	0	0
25°	171687	7791	194	0	0
30°	193068	5925	76	0	0
35°	166585	3534	54	0	0
40°	95923	1202	0	0	0
45°	23382	496	31	0	31
50°	2797	136	34	34	102
55°	382	0	76	76	153
60°	44	0	132	132	219
65°	52	52	208	208	311
70°	64	64	256	256	321
75°	0	85	339	254	339
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 23537 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.5
10°-20°	10.0	9.3
20°-30°	43.6	40.4
30°-40°	43.9	40.7
40°-50°	8.8	8.2
50°-60°	0.4	0.4
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°	54.1	50.1
0°-40°	98.1	90.8
0°-60°	107.3	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°	4	4	4	4	4	
5°	8	6	4	2	2	1
15°	169	20	2	0	0	66
25°	710	32	1	0	0	320
35°	622	13	0	0	0	370
45°	75	2	0	0	0	82
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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	5.6	5.6	5.5	5.5	5.4	5.5	5.3	5.4	5.4	5.3	4.8
5°	8.5	8.7	8.6	8.6	8.5	8.6	8.4	8.2	8.0	8.0	6.4
7.5°	14.0	13.9	13.7	13.8	13.5	13.3	13.1	13.0	12.4	12.1	8.3
10°	26.6	27.1	26.7	26.6	24.8	24.7	23.5	21.8	20.4	19.6	11.0
12.5°	73.1	76.2	71.3	69.0	67.6	62.3	60.1	54.3	48.7	44.5	13.9
15°	168.7	176.5	166.6	167.3	159.0	143.9	130.7	119.3	105.9	92.4	19.9
17.5°	330.6	324.3	318.9	309.8	293.1	270.9	242.4	213.5	188.5	162.4	27.7
20°	495.4	489.8	477.6	457.7	436.3	403.5	369.6	326.2	284.1	244.8	33.1
21°	552.1	550.3	530.2	517.9	485.0	453.7	414.6	368.1	320.8	274.2	34.0
22°	602.8	591.6	580.8	562.7	530.0	495.9	452.4	403.5	352.1	300.3	34.1
23°	637.9	632.8	622.6	602.1	569.6	529.5	483.6	432.5	378.4	318.8	33.8
24°	676.7	670.2	655.3	631.4	598.6	559.0	506.7	455.9	397.1	334.4	33.0
25°	709.6	699.5	681.9	656.1	620.2	579.4	526.7	471.0	410.2	344.9	32.2
26°	730.9	725.5	702.8	674.8	636.4	594.3	540.6	482.6	418.6	349.7	31.0
27°	753.2	743.1	720.9	688.6	647.0	604.0	548.4	488.1	421.5	349.9	29.4
28°	765.9	754.9	729.8	695.9	653.8	609.3	552.9	489.9	420.9	346.9	27.5
29°	769.9	756.1	731.5	697.0	655.5	609.7	552.2	487.4	415.7	339.4	25.4
30°	762.5	748.4	725.1	691.5	650.2	604.8	545.9	478.9	406.5	328.7	23.4
31°	746.2	734.3	711.7	678.0	638.4	593.4	531.5	465.1	390.8	314.4	21.2
32°	724.8	713.0	690.9	660.4	620.1	574.7	511.8	443.6	372.4	293.1	18.9
33°	692.5	685.8	665.9	636.8	596.5	547.9	485.3	417.8	346.2	269.4	17.0
34°	659.9	651.4	637.5	605.6	562.3	513.8	450.8	382.2	314.1	242.8	15.1
35°	622.3	617.2	595.3	569.9	526.4	476.8	414.2	347.6	276.8	213.2	13.2
36°	585.8	578.0	553.1	526.2	483.9	430.3	368.5	306.0	244.6	185.5	11.3
37°	532.9	521.0	503.2	474.8	425.4	379.8	323.3	265.3	204.9	155.5	9.1
38°	470.7	465.1	440.5	411.9	371.1	327.7	271.9	222.7	169.0	129.8	7.0
39°	397.3	397.2	373.7	353.0	313.1	274.1	223.7	180.8	139.5	104.5	5.4
40°	335.1	323.5	309.0	283.1	252.4	219.3	175.2	141.5	108.3	84.3	4.2
42.5°	175.7	174.7	166.2	146.7	129.5	110.0	87.5	72.9	57.0	46.4	2.6
45°	75.4	75.9	70.1	67.1	60.5	52.3	44.2	36.8	31.6	25.6	1.6
47.5°	19.1	18.3	18.1	18.8	18.8	18.2	16.4	15.4	14.2	13.0	0.9
50°	8.2	8.0	7.8	7.8	7.3	7.1	6.6	6.0	5.5	4.9	0.4
52.5°	3.0	3.1	3.2	3.1	3.1	3.0	3.0	2.9	2.6	2.4	0.2
55°	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.1	0.0
57.5°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.0
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
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	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P3A02R20B2750DE010 E3A301WMH_3000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	4.3	3.8	3.2	2.7	2.6	2.5
5°	4.8	3.5	2.6	2.2	2.0	1.9
7.5°	5.2	3.2	2.2	1.6	1.4	1.3
10°	5.4	2.8	1.8	1.2	0.9	0.9
12.5°	5.5	2.4	1.3	0.8	0.5	0.5
15°	5.4	2.1	1.0	0.4	0.1	0.1
17.5°	4.9	1.7	0.6	0.1	0.0	0.0
20°	4.2	1.4	0.4	0.0	0.0	0.0
21°	4.0	1.2	0.3	0.0	0.0	0.0
22°	3.7	1.1	0.2	0.0	0.0	0.0
23°	3.4	1.0	0.2	0.0	0.0	0.0
24°	3.1	0.9	0.1	0.0	0.0	0.0
25°	2.9	0.8	0.1	0.0	0.0	0.0
26°	2.7	0.7	0.1	0.0	0.0	0.0
27°	2.4	0.6	0.0	0.0	0.0	0.0
28°	2.3	0.5	0.0	0.0	0.0	0.0
29°	2.0	0.4	0.0	0.0	0.0	0.0
30°	1.7	0.3	0.0	0.0	0.0	0.0
31°	1.4	0.3	0.0	0.0	0.0	0.0
32°	1.2	0.2	0.0	0.0	0.0	0.0
33°	1.0	0.2	0.0	0.0	0.0	0.0
34°	0.9	0.2	0.0	0.0	0.0	0.0
35°	0.8	0.2	0.0	0.0	0.0	0.0
36°	0.6	0.1	0.0	0.0	0.0	0.0
37°	0.5	0.1	0.0	0.0	0.0	0.0
38°	0.4	0.1	0.0	0.0	0.0	0.0
39°	0.3	0.0	0.0	0.0	0.0	0.0
40°	0.3	0.0	0.0	0.0	0.0	0.0
42.5°	0.1	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.1	0.0	0.0	0.1	0.1
47.5°	0.0	0.1	0.0	0.0	0.1	0.2
50°	0.0	0.1	0.1	0.1	0.2	0.3
52.5°	0.0	0.2	0.1	0.1	0.3	0.3
55°	0.1	0.2	0.1	0.2	0.4	0.4
57.5°	0.1	0.2	0.2	0.3	0.4	0.5
60°	0.2	0.3	0.3	0.3	0.5	0.5
62.5°	0.2	0.3	0.4	0.4	0.5	0.6
65°	0.2	0.4	0.4	0.4	0.5	0.6
67.5°	0.3	0.4	0.4	0.4	0.5	0.6
70°	0.3	0.4	0.4	0.4	0.5	0.5
72.5°	0.3	0.4	0.3	0.4	0.4	0.5
75°	0.3	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	0.2	0.1	0.0	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)