

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: P1335195

Luminaire Tested: P3A02R30B2750DE010 E3A301GPH_3500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335195
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 E3A301GPH_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

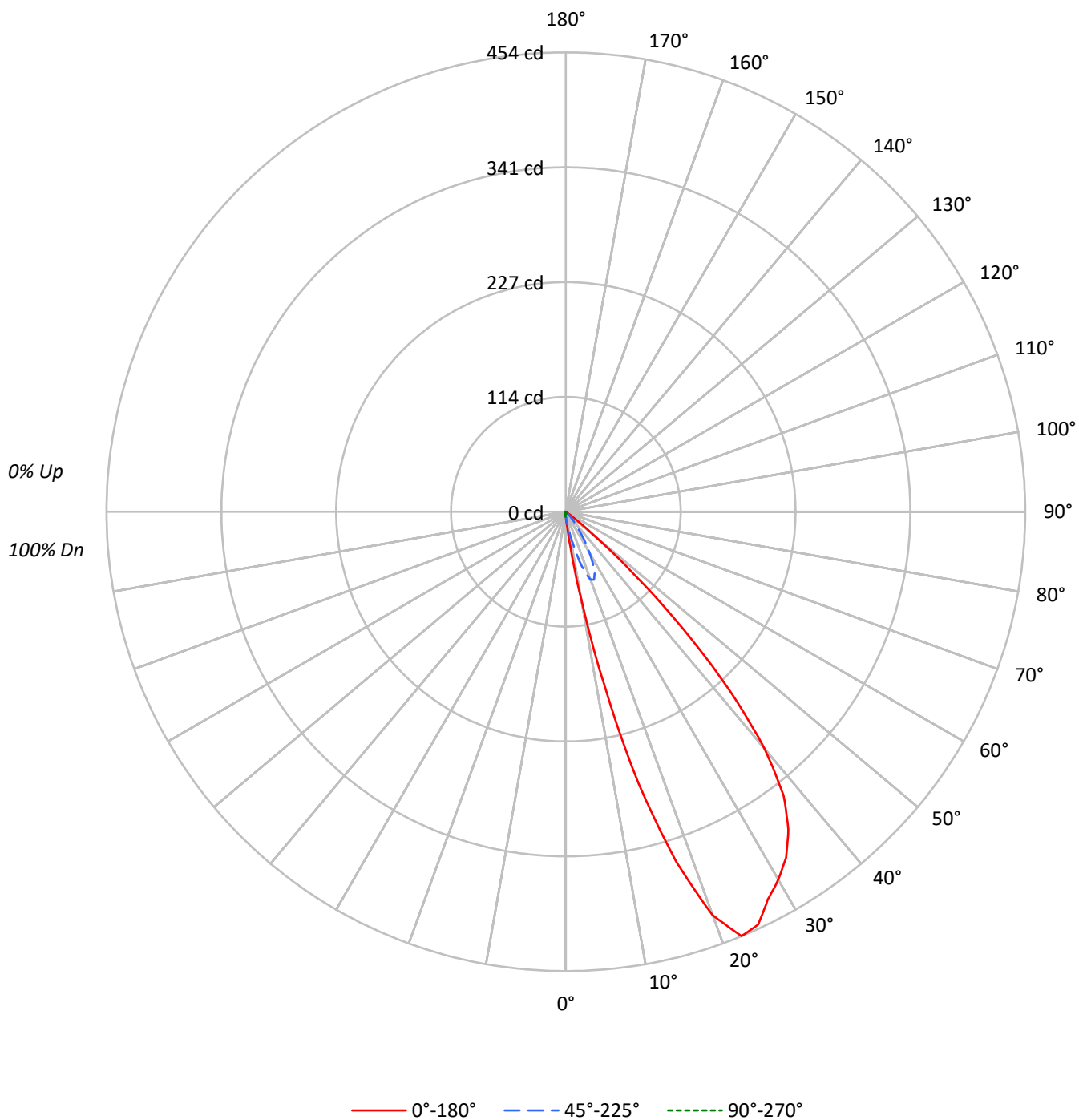
Lumens per Lamp: N/A
Luminaire Lumens: 107.0 lumens
Efficiency: N/A
Efficacy: 36.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.49 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	3368	2245	1057	484	396
10°	19439	4743	824	223	156
15°	63247	10761	568	45	23
20°	98942	16661	373	0	0
25°	108877	16283	194	0	0
30°	106320	11723	76	0	0
35°	102633	6666	27	0	0
40°	87507	2834	0	0	0
45°	51354	1054	31	0	31
50°	12486	205	34	34	102
55°	1070	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: 51354 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.9
10°-20°	14.7	13.7
20°-30°	37.4	34.9
30°-40°	37.2	34.8
40°-50°	15.1	14.1
50°-60°	1.0	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°	53.0	49.5
0°-40°	90.3	84.3
0°-60°	106.4	99.4
0°-90°	107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	107.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	15	10	5	2	2	4
15°	279	47	2	0	0	81
25°	450	67	1	0	0	203
35°	383	25	0	0	0	235
45°	166	3	0	0	0	126
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°	8.4	8.5	8.5	8.3	8.2	8.2	7.9	7.8	7.5	7.2	6.3
5°	15.3	15.0	14.6	14.6	13.7	13.2	12.5	11.7	11.1	10.2	7.2
7.5°	34.6	32.3	31.6	30.7	27.4	24.7	21.7	19.1	16.6	14.6	8.0
10°	87.3	82.7	78.9	71.2	61.5	52.2	43.6	33.6	26.8	21.3	8.6
12.5°	175.9	169.7	162.4	148.3	130.2	107.1	86.5	64.6	45.4	31.4	8.8
15°	278.6	268.1	256.7	238.8	209.1	175.9	138.8	103.9	72.8	47.4	8.6
17.5°	362.3	358.1	341.2	316.8	280.5	237.7	192.0	144.3	98.3	62.1	8.0
20°	424.0	421.2	400.8	374.8	333.9	284.8	226.8	169.5	116.0	71.4	7.1
22.5°	453.9	453.4	438.6	412.0	368.7	313.1	249.2	184.1	121.4	72.6	6.0
25°	450.0	451.7	443.3	423.6	382.0	324.7	255.9	184.1	117.4	67.3	5.0
27.5°	432.2	433.3	428.1	412.9	374.2	316.3	246.6	172.3	105.8	57.8	4.1
30°	419.9	420.4	413.9	397.6	356.6	297.1	224.7	150.4	88.2	46.3	3.0
32.5°	405.1	405.0	397.4	378.8	333.5	270.2	196.9	124.3	67.8	35.2	1.8
35°	383.4	380.9	370.6	349.1	299.1	234.1	161.4	94.6	48.8	24.9	1.1
37.5°	353.5	347.2	332.5	303.9	250.8	183.5	119.7	66.5	33.3	16.5	0.7
40°	305.7	299.0	279.0	244.2	189.7	132.1	80.7	43.3	21.0	9.9	0.4
42.5°	239.7	235.1	208.3	173.5	125.2	84.3	48.5	25.6	11.8	5.7	0.1
45°	165.6	159.7	138.5	109.1	75.2	46.7	27.2	13.4	6.7	3.4	0.0
47.5°	91.4	84.1	71.9	56.5	37.8	24.5	13.7	7.2	3.8	1.7	0.0
50°	36.6	36.3	28.8	20.5	14.5	11.1	6.8	3.9	2.0	0.6	0.1
52.5°	12.8	12.8	11.0	9.0	7.0	5.1	3.4	1.9	0.7	0.2	0.1
55°	2.8	3.1	2.9	2.7	2.6	2.2	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	3.3	2.9	2.8
5°	4.8	3.0	2.2	1.9	1.8
7.5°	4.3	2.2	1.5	1.2	1.1
10°	3.7	1.7	1.0	0.7	0.7
12.5°	3.1	1.3	0.6	0.3	0.2
15°	2.5	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)