

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: P1334538

Luminaire Tested: P3A02R20B2750DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334538
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 E3A301GPH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

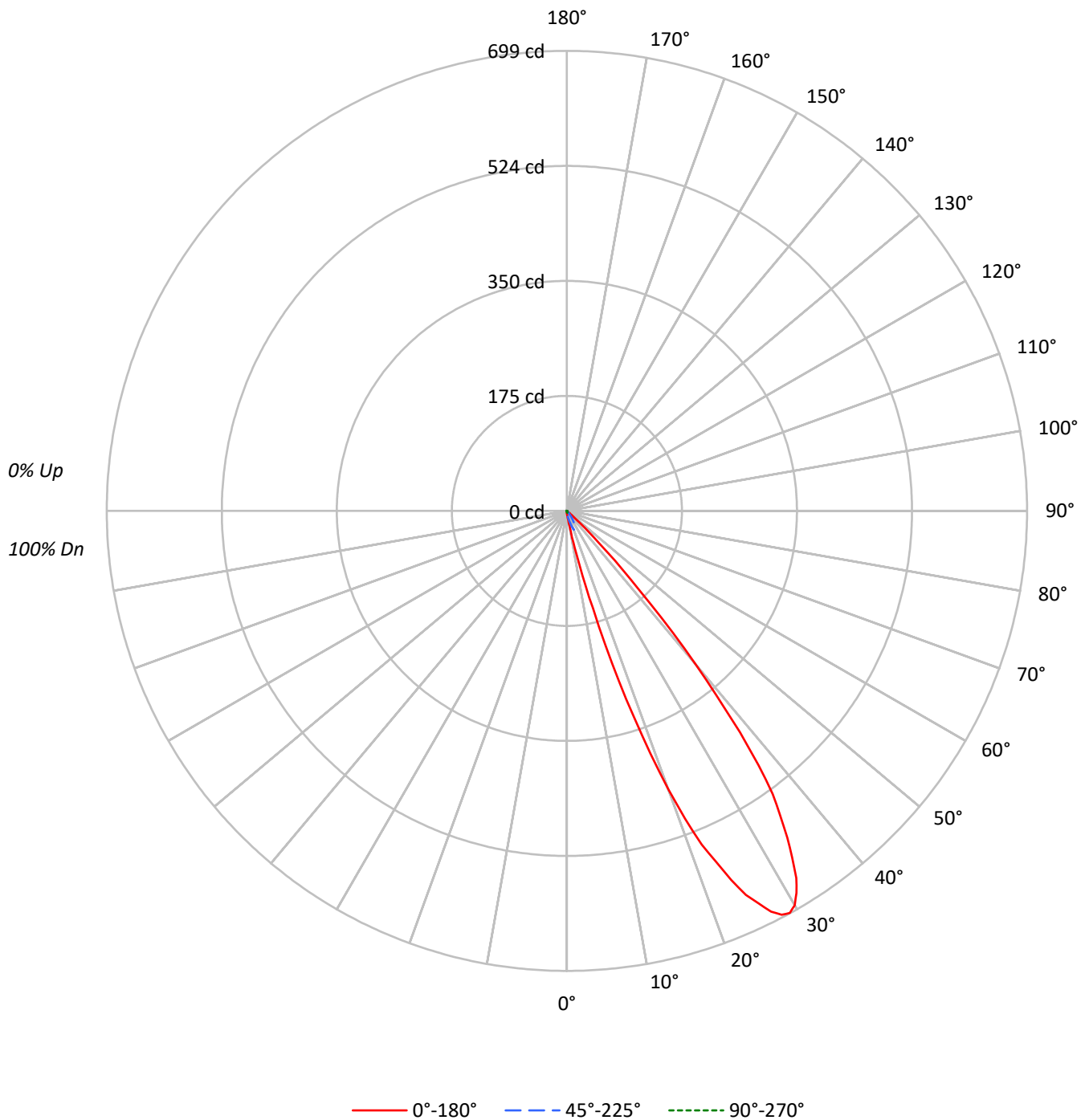
Lumens per Lamp: N/A
Luminaire Lumens: 98.1 lumens
Efficiency: N/A
Efficacy: 33.8 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.54 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	96	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	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	66	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	62	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	54	48	43	53	47	43	52	47	43	51	46	43	43	43	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°	746	746	746	746	746
5°	1695	1277	704	440	374
10°	5366	2227	579	245	178
15°	34756	4086	431	91	23
20°	104892	7024	280	0	0
25°	155791	7089	169	0	0
30°	175192	5368	76	0	0
35°	151166	3212	54	0	0
40°	87049	1088	0	0	0
45°	21243	434	31	0	31
50°	2559	136	34	34	102
55°	344	0	76	76	153
60°	44	0	132	132	175
65°	52	52	208	208	259
70°	64	64	256	256	256
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: 21367 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.5
10°-20°	9.1	9.3
20°-30°	39.6	40.4
30°-40°	39.9	40.7
40°-50°	8.0	8.2
50°-60°	0.4	0.4
60°-70°	0.3	0.3
70°-80°	0.3	0.3
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°	49.1	50.1
0°-40°	89.0	90.7
0°-60°	97.4	99.3
0°-90°	98.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	98.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3	3	3	3	3	
5°	8	6	3	2	2	1
15°	153	18	2	0	0	60
25°	644	29	1	0	0	290
35°	565	12	0	0	0	336
45°	68	1	0	0	0	75
55°	1	0	0	0	0	2
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°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	5.1	5.1	5.0	5.0	4.9	5.0	4.8	4.9	4.9	4.8	4.4
5°	7.7	7.9	7.8	7.8	7.7	7.8	7.6	7.5	7.3	7.3	5.8
7.5°	12.7	12.6	12.4	12.5	12.3	12.1	11.9	11.8	11.3	11.0	7.6
10°	24.1	24.6	24.2	24.1	22.5	22.4	21.3	19.8	18.5	17.8	10.0
12.5°	66.3	69.2	64.7	62.6	61.3	56.5	54.5	49.3	44.2	40.4	12.6
15°	153.1	160.1	151.1	151.8	144.3	130.6	118.6	108.3	96.1	83.8	18.0
17.5°	300.0	294.3	289.4	281.1	265.9	245.8	220.0	193.7	171.1	147.3	25.2
20°	449.5	444.5	433.3	415.3	395.9	366.1	335.4	296.0	257.8	222.1	30.1
21°	501.0	499.3	481.1	470.0	440.1	411.6	376.2	334.0	291.1	248.8	30.9
22°	547.0	536.8	527.1	510.6	480.9	450.0	410.5	366.1	319.5	272.5	30.9
23°	578.8	574.2	564.9	546.3	516.8	480.5	438.9	392.4	343.4	289.3	30.7
24°	614.0	608.1	594.6	572.9	543.1	507.2	459.7	413.7	360.3	303.4	30.0
25°	643.9	634.7	618.7	595.3	562.8	525.7	478.0	427.4	372.2	313.0	29.3
26°	663.3	658.3	637.7	612.3	577.5	539.2	490.5	437.9	379.8	317.3	28.1
27°	683.4	674.3	654.1	624.9	587.1	548.0	497.6	442.9	382.5	317.5	26.7
28°	695.0	685.0	662.2	631.4	593.3	552.9	501.7	444.5	382.0	314.7	25.0
29°	698.6	686.1	663.8	632.5	594.8	553.3	501.1	442.2	377.2	308.0	23.0
30°	691.9	679.1	657.9	627.4	590.0	548.8	495.3	434.6	368.9	298.3	21.2
31°	677.1	666.3	645.8	615.3	579.3	538.4	482.2	422.1	354.7	285.3	19.2
32°	657.7	647.0	626.9	599.2	562.7	521.5	464.4	402.5	337.9	265.9	17.2
33°	628.4	622.3	604.2	577.8	541.3	497.2	440.4	379.1	314.1	244.4	15.4
34°	598.8	591.1	578.4	549.5	510.3	466.2	409.1	346.8	285.0	220.3	13.7
35°	564.7	560.0	540.2	517.1	477.6	432.6	375.8	315.4	251.2	193.5	12.0
36°	531.6	524.5	501.9	477.4	439.1	390.5	334.4	277.7	221.9	168.3	10.2
37°	483.6	472.7	456.6	430.9	386.0	344.6	293.4	240.8	185.9	141.1	8.3
38°	427.1	422.1	399.7	373.8	336.7	297.4	246.7	202.1	153.4	117.8	6.3
39°	360.5	360.4	339.1	320.3	284.1	248.7	203.0	164.0	126.6	94.9	4.9
40°	304.1	293.6	280.4	256.9	229.0	199.0	159.0	128.4	98.2	76.5	3.8
42.5°	159.4	158.5	150.8	133.1	117.5	99.8	79.4	66.1	51.7	42.1	2.4
45°	68.5	68.9	63.6	60.9	54.9	47.5	40.1	33.4	28.6	23.2	1.4
47.5°	17.3	16.6	16.4	17.1	17.1	16.5	14.8	14.0	12.9	11.8	0.8
50°	7.5	7.3	7.1	7.1	6.7	6.4	6.0	5.4	5.0	4.4	0.4
52.5°	2.8	2.8	2.9	2.8	2.8	2.8	2.8	2.7	2.4	2.1	0.2
55°	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.1	1.0	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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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	3.9	3.5	2.9	2.5	2.4	2.3
5°	4.4	3.2	2.4	2.0	1.8	1.7
7.5°	4.7	2.9	2.0	1.4	1.2	1.2
10°	4.9	2.6	1.6	1.1	0.8	0.8
12.5°	5.0	2.2	1.2	0.7	0.4	0.4
15°	4.9	1.9	0.9	0.4	0.1	0.1
17.5°	4.4	1.5	0.5	0.1	0.0	0.0
20°	3.8	1.2	0.4	0.0	0.0	0.0
21°	3.6	1.1	0.3	0.0	0.0	0.0
22°	3.4	1.0	0.2	0.0	0.0	0.0
23°	3.1	0.9	0.2	0.0	0.0	0.0
24°	2.8	0.8	0.1	0.0	0.0	0.0
25°	2.7	0.7	0.1	0.0	0.0	0.0
26°	2.5	0.6	0.1	0.0	0.0	0.0
27°	2.2	0.5	0.0	0.0	0.0	0.0
28°	2.0	0.4	0.0	0.0	0.0	0.0
29°	1.8	0.4	0.0	0.0	0.0	0.0
30°	1.5	0.3	0.0	0.0	0.0	0.0
31°	1.2	0.3	0.0	0.0	0.0	0.0
32°	1.1	0.2	0.0	0.0	0.0	0.0
33°	0.9	0.2	0.0	0.0	0.0	0.0
34°	0.8	0.2	0.0	0.0	0.0	0.0
35°	0.7	0.2	0.0	0.0	0.0	0.0
36°	0.5	0.1	0.0	0.0	0.0	0.0
37°	0.4	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	0.4
60°	0.2	0.3	0.3	0.3	0.4	0.4
62.5°	0.2	0.3	0.4	0.4	0.4	0.5
65°	0.2	0.4	0.4	0.4	0.4	0.5
67.5°	0.3	0.4	0.4	0.4	0.4	0.5
70°	0.3	0.4	0.4	0.4	0.4	0.4
72.5°	0.3	0.4	0.3	0.4	0.4	0.4
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)