

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: P1334541

Luminaire Tested: P3A02R20B2750DE010 E3A301GPH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334541
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

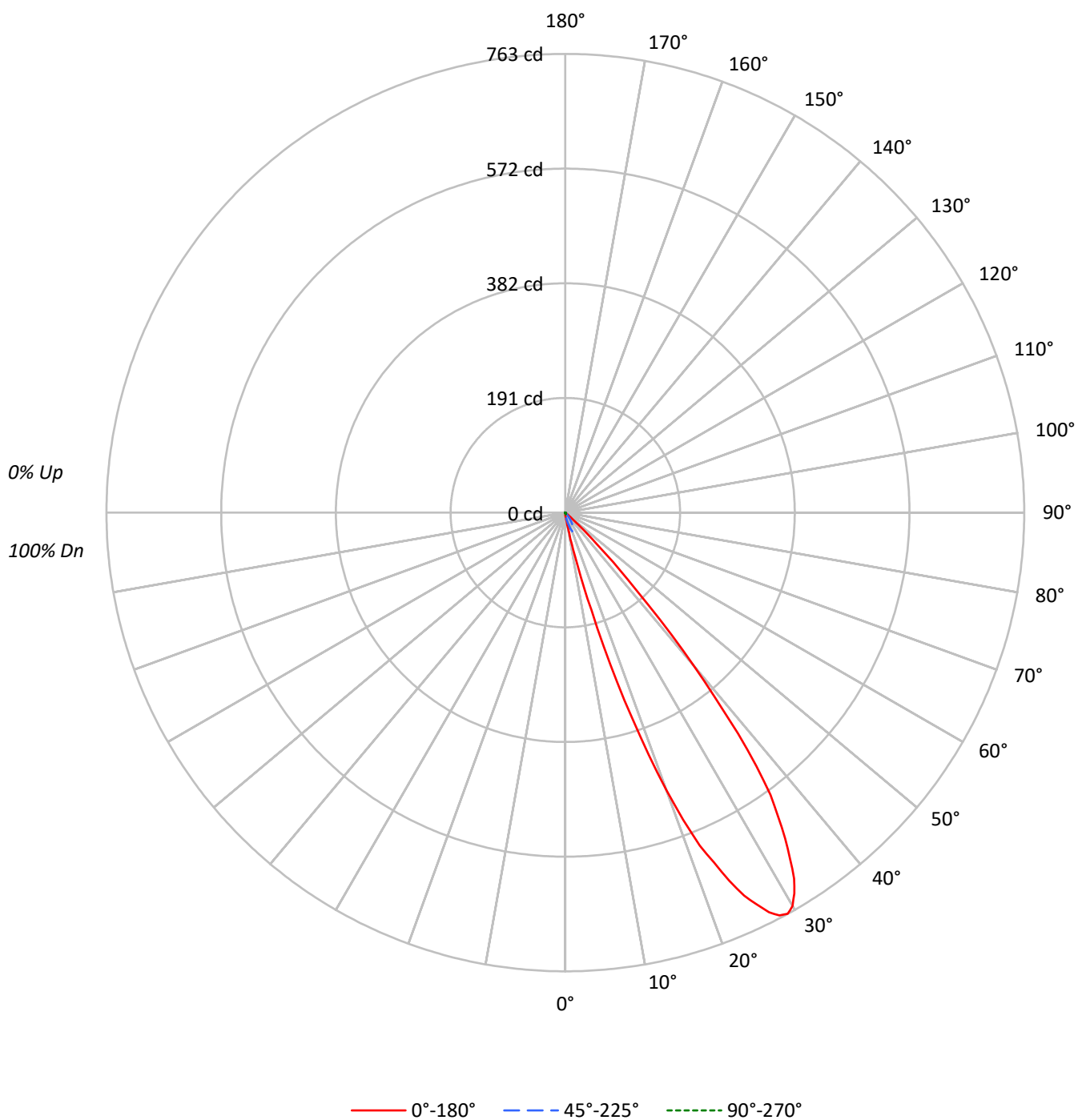
Lumens per Lamp: N/A
Luminaire Lumens: 107.0 lumens
Efficiency: N/A
Efficacy: 36.9 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	1849	1387	770	462	396
10°	5856	2427	623	267	200
15°	37957	4472	454	91	23
20°	114530	7654	327	0	0
25°	170090	7718	194	0	0
30°	191270	5874	76	0	0
35°	165032	3507	54	0	0
40°	95035	1202	0	0	0
45°	23165	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: 23320 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.5
10°-20°	9.9	9.3
20°-30°	43.2	40.4
30°-40°	43.5	40.7
40°-50°	8.7	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°	53.6	50.1
0°-40°	97.2	90.8
0°-60°	106.3	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°	4	4	4	4	4	
5°	8	6	4	2	2	1
15°	167	20	2	0	0	65
25°	703	32	1	0	0	317
35°	616	13	0	0	0	367
45°	75	2	0	0	0	81
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°	5.5	5.5	5.4	5.4	5.3	5.4	5.2	5.3	5.3	5.2	4.8
5°	8.4	8.6	8.5	8.5	8.4	8.5	8.3	8.2	8.0	8.0	6.3
7.5°	13.9	13.8	13.6	13.7	13.4	13.2	13.0	12.9	12.3	12.0	8.3
10°	26.3	26.9	26.4	26.3	24.6	24.5	23.3	21.6	20.2	19.4	10.9
12.5°	72.4	75.5	70.7	68.3	67.0	61.7	59.5	53.8	48.2	44.1	13.8
15°	167.2	174.8	165.0	165.7	157.6	142.6	129.5	118.2	104.9	91.5	19.7
17.5°	327.5	321.3	316.0	306.9	290.3	268.4	240.2	211.5	186.8	160.9	27.5
20°	490.8	485.3	473.1	453.4	432.3	399.8	366.2	323.2	281.5	242.5	32.8
21°	547.0	545.2	525.3	513.1	480.5	449.5	410.7	364.7	317.8	271.6	33.7
22°	597.2	586.1	575.5	557.5	525.1	491.3	448.2	399.8	348.9	297.5	33.8
23°	632.0	626.9	616.8	596.5	564.3	524.6	479.2	428.5	374.9	315.9	33.5
24°	670.4	664.0	649.2	625.5	593.0	553.8	502.0	451.7	393.4	331.3	32.7
25°	703.0	693.0	675.5	650.0	614.5	574.0	521.9	466.6	406.4	341.7	31.9
26°	724.2	718.7	696.3	668.6	630.5	588.8	535.6	478.1	414.7	346.5	30.7
27°	746.2	736.2	714.2	682.2	641.0	598.4	543.3	483.6	417.6	346.7	29.1
28°	758.8	748.0	723.0	689.4	647.8	603.7	547.8	485.4	417.0	343.6	27.3
29°	762.8	749.1	724.8	690.6	649.4	604.1	547.1	482.8	411.9	336.3	25.1
30°	755.4	741.5	718.4	685.1	644.2	599.2	540.8	474.5	402.8	325.7	23.2
31°	739.3	727.5	705.1	671.8	632.5	587.9	526.5	460.8	387.2	311.5	21.0
32°	718.1	706.4	684.5	654.3	614.4	569.3	507.0	439.5	369.0	290.3	18.7
33°	686.1	679.4	659.7	630.9	591.0	542.8	480.8	413.9	343.0	266.9	16.8
34°	653.8	645.4	631.6	600.0	557.1	509.1	446.6	378.7	311.2	240.6	14.9
35°	616.5	611.5	589.8	564.6	521.5	472.4	410.3	344.4	274.2	211.2	13.1
36°	580.4	572.6	548.0	521.3	479.5	426.4	365.1	303.2	242.3	183.8	11.2
37°	528.0	516.1	498.6	470.4	421.5	376.3	320.3	262.9	203.0	154.1	9.0
38°	466.3	460.8	436.4	408.1	367.6	324.7	269.4	220.7	167.5	128.6	6.9
39°	393.6	393.5	370.2	349.8	310.2	271.5	221.6	179.1	138.2	103.6	5.3
40°	332.0	320.5	306.2	280.4	250.1	217.3	173.6	140.2	107.3	83.5	4.2
42.5°	174.1	173.1	164.6	145.3	128.3	109.0	86.7	72.2	56.5	46.0	2.6
45°	74.7	75.2	69.4	66.5	59.9	51.8	43.8	36.5	31.3	25.3	1.6
47.5°	18.9	18.2	18.0	18.6	18.6	18.1	16.2	15.2	14.1	12.9	0.9
50°	8.2	8.0	7.8	7.8	7.3	7.0	6.5	5.9	5.4	4.9	0.4
52.5°	3.0	3.1	3.2	3.1	3.1	3.0	3.0	2.9	2.6	2.3	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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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	2.1	1.9	1.8
7.5°	5.1	3.2	2.1	1.6	1.4	1.3
10°	5.3	2.8	1.7	1.2	0.9	0.9
12.5°	5.4	2.4	1.3	0.8	0.5	0.5
15°	5.3	2.0	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°	2.2	0.5	0.0	0.0	0.0	0.0
29°	1.9	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)