

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: P1334214

Luminaire Tested: P3A02R15B2750DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R15B2750DE010 E3A301GPH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

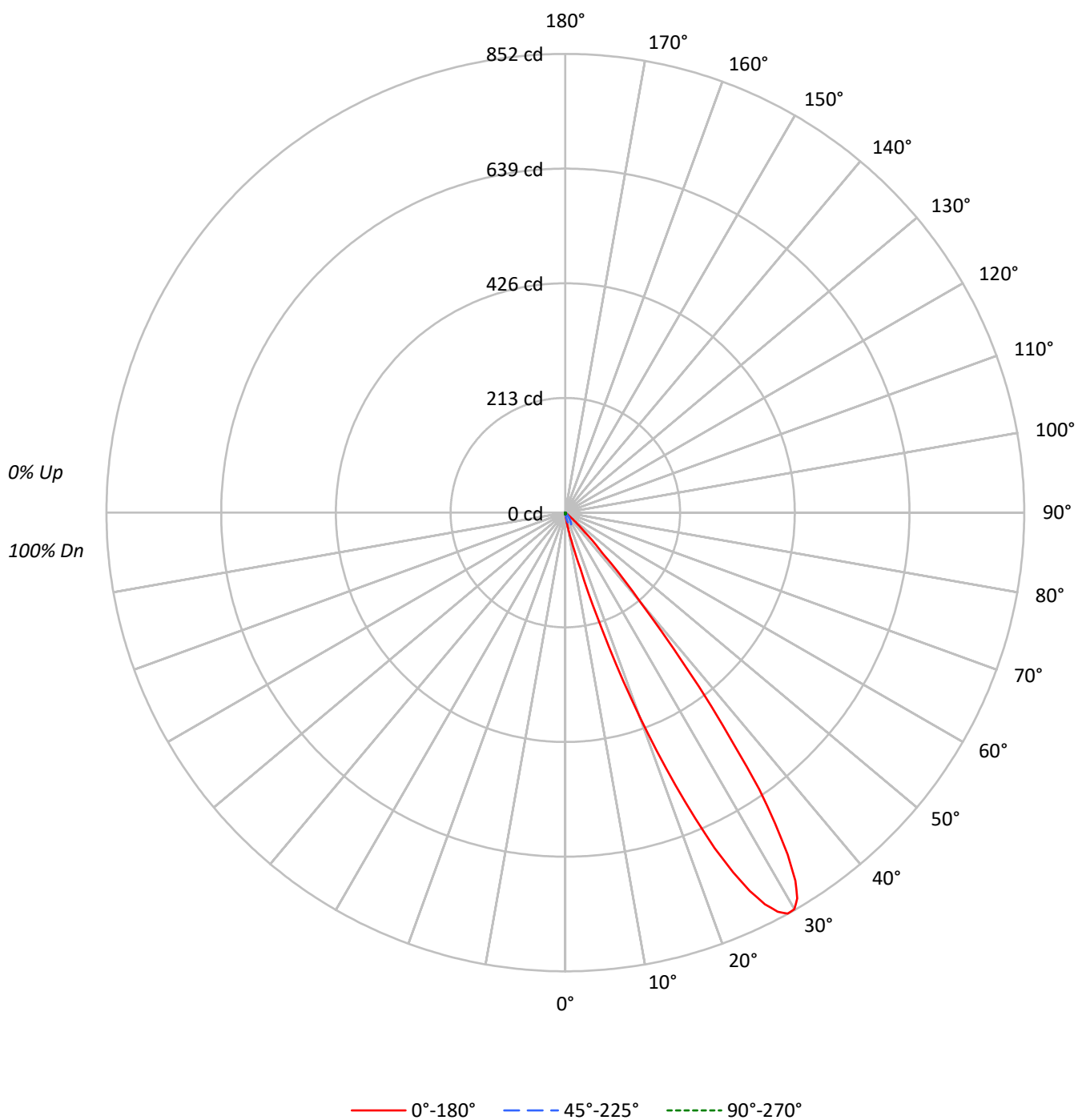
Lumens per Lamp: N/A
Luminaire Lumens: 93.1 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.48 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	68	64	72	67	64	71	66	63	63	63	61
6	81	71	64	59	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	52	48	70	59	52	47	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	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	680	680	680	680	680
5°	1453	1079	638	330	286
10°	6435	2026	512	134	111
15°	24382	4699	341	68	45
20°	93761	6627	210	23	23
25°	178268	6218	121	0	0
30°	215375	5013	51	0	0
35°	167977	3426	27	0	0
40°	61286	1689	29	0	29
45°	15754	496	31	0	62
50°	2661	68	34	34	102
55°	344	0	76	115	191
60°	44	44	132	175	219
65°	52	52	208	259	259
70°	64	64	256	256	321
75°	85	85	339	254	339
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15754 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.5
10°-20°	7.1	7.7
20°-30°	39.5	42.5
30°-40°	38.2	41.0
40°-50°	6.6	7.1
50°-60°	0.5	0.5
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°	47.1	50.6
0°-40°	85.3	91.6
0°-60°	92.4	99.3
0°-90°	93.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	93.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3	3	3	3	3	
5°	7	5	3	2	1	1
15°	107	21	2	0	0	48
25°	737	26	0	0	0	329
35°	628	13	0	0	0	361
45°	51	2	0	0	0	55
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°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	4.5	4.3	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	3.9
5°	6.6	6.6	6.5	6.6	6.6	6.5	6.3	6.2	6.2	6.1	4.9
7.5°	13.2	13.0	13.0	12.8	11.9	11.7	11.5	11.0	10.2	10.0	6.3
10°	28.9	29.0	28.4	27.6	27.5	26.1	25.7	24.9	23.3	21.8	9.1
12.5°	52.6	51.4	49.8	49.9	47.3	46.4	44.3	42.1	39.7	37.3	15.0
15°	107.4	104.0	106.0	101.1	95.6	89.4	83.0	75.1	68.3	61.1	20.7
17.5°	226.2	229.4	223.9	203.0	190.2	175.1	153.8	133.3	115.7	101.6	25.3
20°	401.8	406.6	387.8	369.6	338.4	304.4	269.0	228.8	190.3	157.0	28.4
21°	475.1	472.2	464.5	435.4	399.4	360.0	316.5	272.2	225.6	182.4	28.7
22°	546.1	547.4	529.5	499.0	461.6	417.9	364.8	310.1	259.9	203.0	28.2
23°	616.7	621.0	597.3	568.8	521.6	472.3	411.0	351.9	289.9	226.6	27.3
24°	682.1	679.1	663.1	627.1	576.7	519.0	455.3	383.7	314.5	246.8	26.6
25°	736.8	736.5	711.3	676.3	618.7	554.7	484.5	409.6	335.5	260.5	25.7
26°	781.6	774.3	754.5	711.8	654.9	587.4	508.5	428.5	347.4	267.3	24.8
27°	816.2	810.9	784.3	739.9	680.5	605.8	523.9	437.9	352.8	269.6	23.6
28°	839.4	833.7	805.4	759.6	694.6	617.4	532.0	441.9	352.8	267.4	22.5
29°	851.5	843.7	815.5	766.4	697.9	618.8	530.0	438.0	347.3	260.7	21.3
30°	850.6	840.9	811.3	760.3	688.2	607.7	518.9	424.0	334.8	250.8	19.8
31°	835.9	825.0	792.0	739.5	668.2	586.7	497.9	405.2	317.7	237.8	18.4
32°	806.1	792.4	760.2	707.8	637.4	555.3	467.4	376.2	292.1	218.9	16.8
33°	757.6	743.8	709.3	660.1	595.8	515.5	427.0	344.9	263.0	196.4	15.6
34°	696.9	684.3	654.5	605.0	543.3	465.1	380.5	301.8	232.8	174.1	14.2
35°	627.5	607.3	580.3	541.2	481.0	402.3	330.3	261.6	201.6	150.6	12.8
36°	533.5	537.1	508.5	460.6	410.7	349.0	279.9	218.1	168.6	128.4	11.5
37°	450.2	444.5	426.3	389.2	345.8	284.5	234.6	184.9	141.9	108.6	10.1
38°	363.1	364.4	346.6	318.1	275.0	233.9	188.8	151.9	118.7	92.4	8.9
39°	284.2	283.2	278.5	252.0	213.0	186.1	153.0	125.9	98.9	77.9	7.5
40°	214.1	215.8	204.5	188.6	165.9	143.7	121.9	100.4	81.8	65.7	5.9
42.5°	104.1	106.7	99.2	95.2	85.1	76.4	64.5	52.7	44.8	38.7	2.6
45°	50.8	49.3	48.7	46.7	44.3	39.6	35.1	30.1	26.3	22.7	1.6
47.5°	26.0	25.2	25.2	24.4	23.6	22.1	19.8	18.2	16.4	14.1	0.6
50°	7.8	7.7	7.6	7.7	7.4	7.7	7.9	8.0	7.2	7.1	0.2
52.5°	3.1	3.2	3.1	3.3	3.3	3.3	3.3	3.3	3.2	2.8	0.0
55°	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.1	1.0	1.1	0.0
57.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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°	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	3.6	3.2	2.6	2.2	2.0	1.9
5°	3.9	2.9	2.0	1.5	1.4	1.3
7.5°	4.2	2.6	1.5	1.1	0.8	0.7
10°	4.3	2.3	1.2	0.6	0.5	0.5
12.5°	4.3	1.8	0.8	0.4	0.3	0.3
15°	4.3	1.5	0.5	0.3	0.2	0.2
17.5°	4.2	1.2	0.4	0.2	0.1	0.2
20°	3.9	0.9	0.2	0.1	0.1	0.1
21°	3.8	0.8	0.2	0.1	0.1	0.1
22°	3.6	0.7	0.1	0.0	0.1	0.1
23°	3.4	0.5	0.1	0.0	0.0	0.0
24°	3.2	0.5	0.1	0.0	0.0	0.0
25°	3.0	0.5	0.1	0.0	0.0	0.0
26°	2.8	0.3	0.0	0.0	0.0	0.0
27°	2.5	0.2	0.0	0.0	0.0	0.0
28°	2.4	0.2	0.0	0.0	0.0	0.0
29°	2.1	0.2	0.0	0.0	0.0	0.0
30°	1.8	0.2	0.0	0.0	0.0	0.0
31°	1.4	0.1	0.0	0.0	0.0	0.0
32°	1.2	0.1	0.0	0.0	0.0	0.0
33°	0.8	0.1	0.0	0.0	0.0	0.0
34°	0.5	0.1	0.0	0.0	0.0	0.0
35°	0.5	0.1	0.0	0.0	0.0	0.0
36°	0.3	0.1	0.0	0.0	0.0	0.1
37°	0.3	0.1	0.0	0.0	0.0	0.1
38°	0.2	0.1	0.0	0.0	0.0	0.1
39°	0.1	0.1	0.0	0.0	0.0	0.1
40°	0.1	0.1	0.0	0.0	0.0	0.1
42.5°	0.0	0.1	0.0	0.0	0.1	0.2
45°	0.0	0.1	0.0	0.0	0.1	0.2
47.5°	0.0	0.1	0.0	0.0	0.2	0.2
50°	0.0	0.1	0.1	0.1	0.2	0.3
52.5°	0.0	0.2	0.1	0.2	0.3	0.4
55°	0.1	0.2	0.2	0.3	0.4	0.5
57.5°	0.1	0.3	0.3	0.4	0.5	0.5
60°	0.2	0.3	0.4	0.4	0.5	0.5
62.5°	0.2	0.4	0.4	0.4	0.5	0.5
65°	0.2	0.4	0.4	0.5	0.5	0.5
67.5°	0.2	0.4	0.4	0.4	0.5	0.5
70°	0.2	0.4	0.3	0.4	0.5	0.5
72.5°	0.2	0.4	0.3	0.3	0.4	0.5
75°	0.2	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	0.1	0.0	0.0	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)