

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: P1334861

Luminaire Tested: P3A02R25B2750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R25B2750DE010 E3A301GPH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

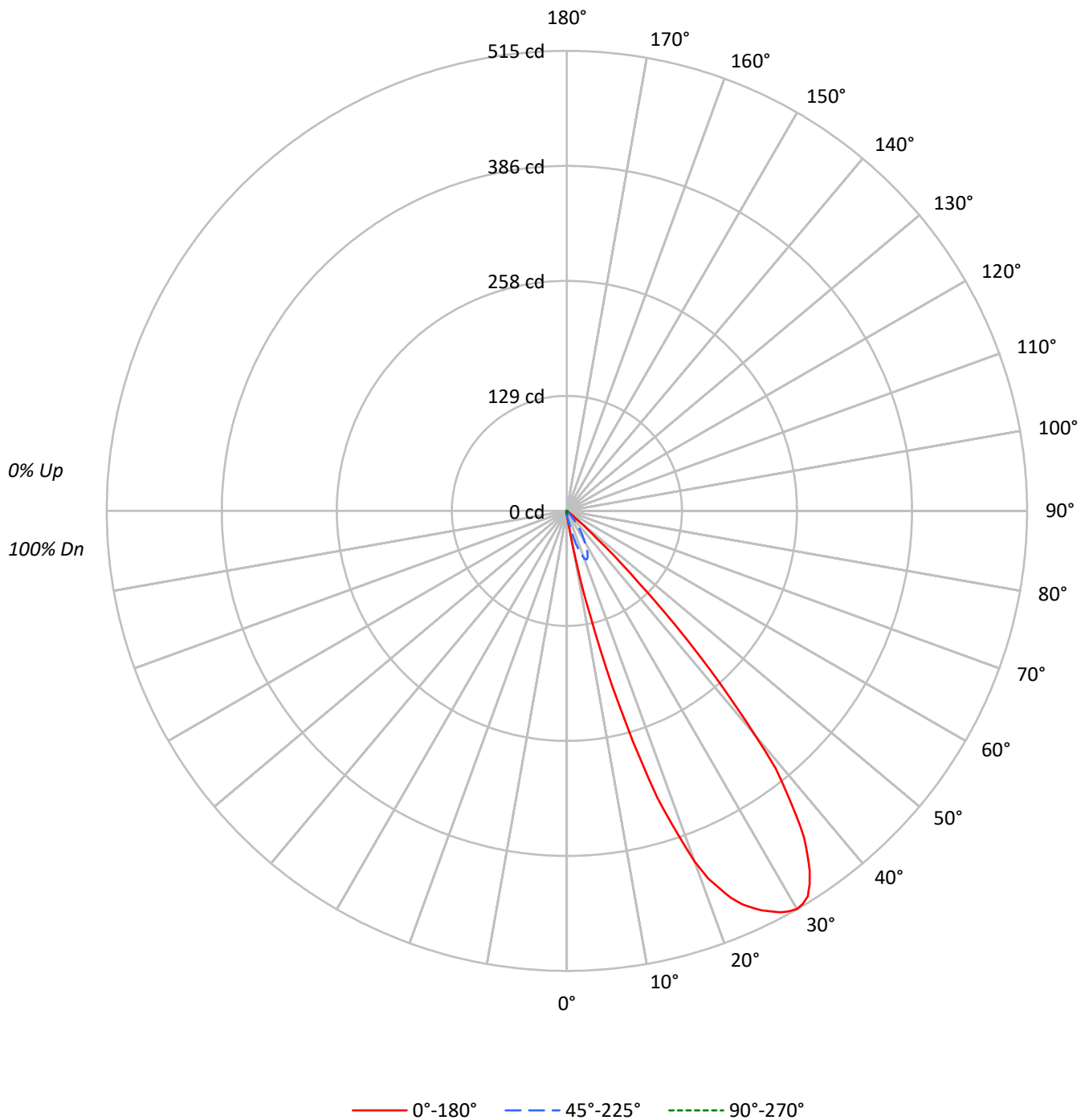
Lumens per Lamp: N/A
Luminaire Lumens: 103.0 lumens
Efficiency: N/A
Efficacy: 35.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	51	51	51	50
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	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	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	965	965	965	965	965
5°	2443	1805	902	462	352
10°	10643	3050	757	223	156
15°	50579	8241	522	91	68
20°	97355	13208	327	23	23
25°	118555	13331	194	0	0
30°	130349	10204	76	0	0
35°	125628	6478	27	0	0
40°	93862	2805	0	0	29
45°	34763	744	31	31	93
50°	4094	102	68	68	136
55°	421	0	76	115	191
60°	44	0	132	175	219
65°	52	52	208	259	311
70°	64	64	256	256	385
75°	85	85	254	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: 34763 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.6
10°-20°	12.0	11.7
20°-30°	37.7	36.6
30°-40°	39.7	38.5
40°-50°	11.7	11.3
50°-60°	0.6	0.6
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°	50.3	48.9
0°-40°	90.0	87.4
0°-60°	102.3	99.3
0°-90°	103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	103.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	11	8	4	2	2	2
15°	223	36	2	0	0	70
25°	490	55	1	0	0	225
35°	469	24	0	0	0	283
45°	112	2	0	0	0	102
55°	1	0	0	0	0	3
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°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2.5°	6.8	6.9	6.6	6.8	6.6	6.5	6.4	6.0	5.2	4.4	3.7
5°	11.1	11.1	10.6	10.5	10.3	9.9	9.5	8.2	5.9	4.1	2.9
7.5°	17.3	17.2	17.0	16.5	15.6	14.6	13.6	10.7	6.4	3.8	2.2
10°	47.8	47.1	46.2	41.0	35.2	30.0	25.5	13.7	6.9	3.4	1.6
12.5°	118.7	114.8	105.7	95.3	82.1	68.1	54.5	22.4	7.1	2.8	1.2
15°	222.8	214.8	200.6	179.8	152.7	122.2	96.3	36.3	6.9	2.3	0.9
17.5°	336.4	328.7	309.0	277.4	237.6	190.8	144.8	48.1	6.4	1.9	0.6
20°	417.2	409.0	390.6	357.1	314.0	251.6	190.7	56.6	6.1	1.4	0.3
21°	440.8	432.6	413.1	380.8	335.5	272.9	205.4	58.0	5.8	1.2	0.2
22°	455.8	451.0	430.0	398.7	352.5	290.0	218.0	58.7	5.6	1.2	0.2
23°	470.9	463.7	444.1	411.0	365.5	302.7	227.3	58.2	5.4	1.0	0.1
24°	482.0	476.0	453.2	420.5	374.5	310.5	232.8	57.0	5.1	0.9	0.1
25°	490.0	484.4	460.7	427.0	380.6	314.7	234.5	55.1	4.8	0.8	0.1
26°	497.6	491.6	467.0	430.7	383.7	316.1	232.9	53.0	4.5	0.7	0.0
27°	503.1	496.9	471.3	432.9	383.9	314.4	228.4	50.1	4.2	0.6	0.0
28°	508.9	501.8	474.3	434.2	382.8	310.6	222.1	47.0	4.0	0.5	0.0
29°	512.5	505.8	477.3	435.5	380.4	304.2	212.9	43.3	3.6	0.3	0.0
30°	514.8	506.8	477.0	434.1	377.2	297.2	201.8	40.3	3.1	0.3	0.0
31°	512.9	504.5	474.0	430.0	372.1	288.2	190.5	36.4	2.5	0.2	0.0
32°	508.8	498.9	468.6	423.0	363.0	276.6	178.7	33.3	1.8	0.2	0.0
33°	498.7	490.3	458.9	413.6	351.1	260.8	163.5	30.2	1.2	0.1	0.0
34°	486.0	477.6	445.6	401.0	335.1	240.4	144.9	27.0	1.1	0.1	0.0
35°	469.3	461.0	430.6	383.4	314.0	215.9	125.8	24.2	0.9	0.1	0.0
36°	451.7	440.7	411.7	364.7	285.6	188.1	105.3	21.0	0.7	0.1	0.0
37°	425.8	418.4	386.2	336.2	255.0	161.4	90.4	18.2	0.5	0.1	0.0
38°	399.0	392.2	360.8	307.4	220.7	134.9	75.7	15.4	0.4	0.0	0.0
39°	371.3	360.0	329.0	270.6	184.9	113.0	63.7	12.9	0.2	0.0	0.0
40°	327.9	319.2	286.1	226.4	153.0	91.6	54.3	9.8	0.2	0.0	0.0
42.5°	217.4	209.3	174.5	122.8	81.3	53.5	35.8	3.8	0.0	0.1	0.0
45°	112.1	107.0	86.9	64.3	46.1	32.9	23.1	2.4	0.0	0.1	0.1
47.5°	44.5	43.6	39.4	34.0	26.2	19.5	12.6	1.1	0.0	0.1	0.1
50°	12.0	12.1	11.3	10.5	9.5	8.9	5.3	0.3	0.0	0.2	0.1
52.5°	5.1	5.2	5.0	4.7	4.2	3.2	2.1	0.1	0.1	0.2	0.2
55°	1.1	1.2	1.2	1.3	1.5	1.3	0.9	0.0	0.1	0.2	0.2
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.0	0.1	0.2	0.3
60°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.3
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.4
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	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):

	135°	157.5°	180°
0°	4.4	4.4	4.4
2.5°	3.1	2.8	2.7
5°	2.1	1.8	1.6
7.5°	1.4	1.2	1.1
10°	1.0	0.8	0.7
12.5°	0.7	0.4	0.4
15°	0.4	0.3	0.3
17.5°	0.2	0.1	0.1
20°	0.1	0.1	0.1
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.1
39°	0.0	0.1	0.1
40°	0.0	0.1	0.1
42.5°	0.0	0.1	0.2
45°	0.1	0.2	0.3
47.5°	0.2	0.3	0.4
50°	0.2	0.4	0.4
52.5°	0.3	0.4	0.5
55°	0.3	0.5	0.5
57.5°	0.4	0.5	0.6
60°	0.4	0.5	0.5
62.5°	0.4	0.6	0.6
65°	0.5	0.6	0.6
67.5°	0.5	0.6	0.6
70°	0.4	0.5	0.6
72.5°	0.4	0.5	0.5
75°	0.3	0.4	0.4
77.5°	0.3	0.3	0.4
80°	0.2	0.3	0.3



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CATALOG NUMBER: P3A02R25B2750DE010 E3A301GPH_2700K

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.2	0.2	0.2
85°	0.1	0.1	0.1
87.5°	0.1	0.1	0.1
90°	0.0	0.0	0.0

(END OF REPORT)