

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: P1334887

Luminaire Tested: P3A02R25B2750DE010 E3A301WMH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334887
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 E3A301WMH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

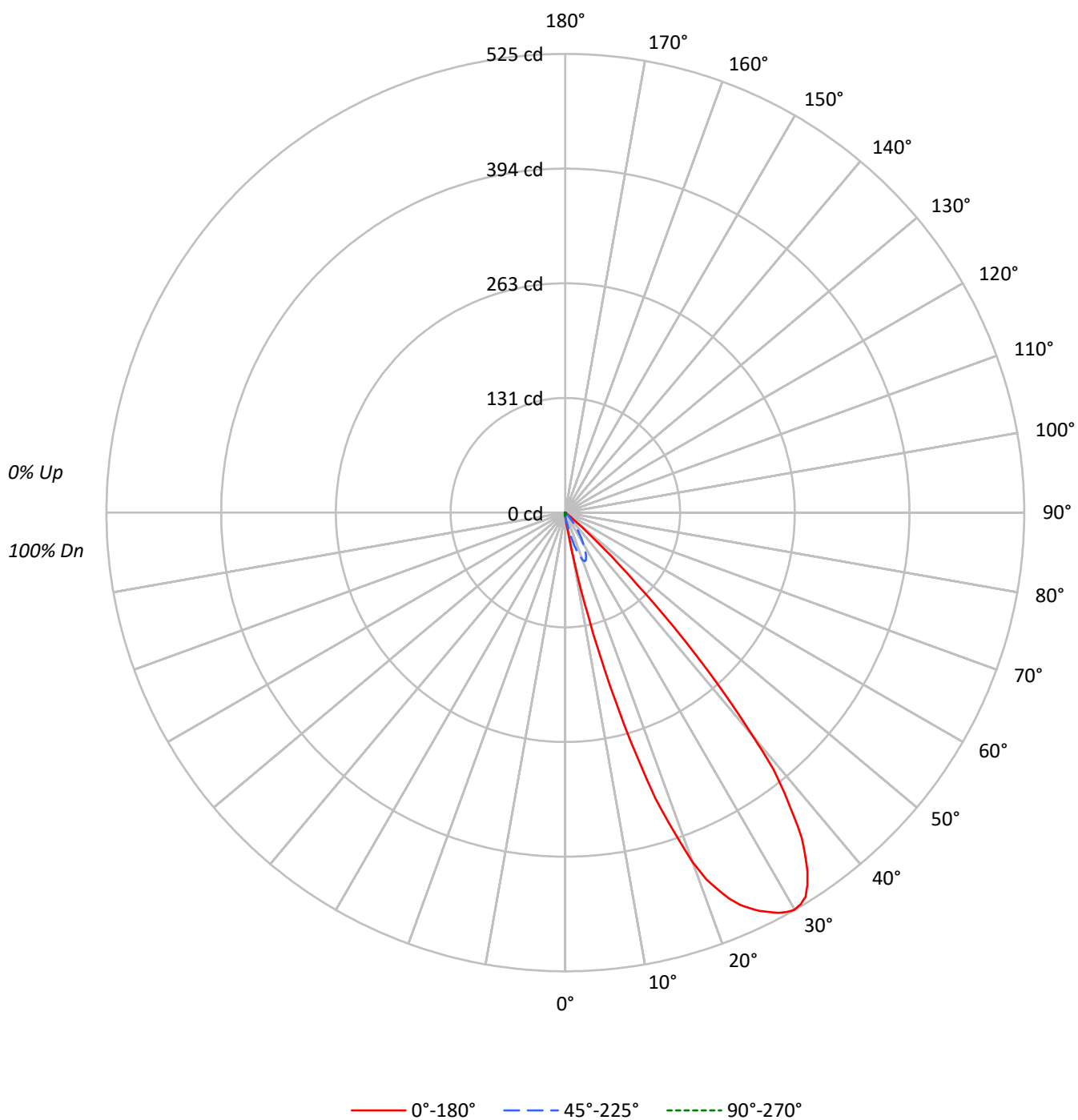
Lumens per Lamp: N/A
Luminaire Lumens: 105.0 lumens
Efficiency: N/A
Efficacy: 36.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.52 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	0
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55	
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50	
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47	45	
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	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°	987	987	987	987	987
5°	2487	1827	924	484	374
10°	10844	3117	757	223	156
15°	51555	8400	545	91	68
20°	99245	13465	350	23	23
25°	120854	13573	194	0	0
30°	132881	10381	76	0	0
35°	128064	6612	27	0	0
40°	95694	2863	0	0	29
45°	35415	744	31	31	93
50°	4162	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: 35415 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.6
10°-20°	12.2	11.7
20°-30°	38.4	36.6
30°-40°	40.4	38.5
40°-50°	11.9	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°	51.3	48.9
0°-40°	91.8	87.4
0°-60°	104.3	99.3
0°-90°	105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	105.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	11	8	4	2	2	2
15°	227	37	2	0	0	72
25°	500	56	1	0	0	229
35°	478	25	0	0	0	289
45°	114	2	0	0	0	104
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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	7.0	7.1	6.8	7.0	6.8	6.7	6.6	6.1	5.3	4.5	3.7
5°	11.3	11.3	10.8	10.7	10.5	10.1	9.7	8.3	6.0	4.2	2.9
7.5°	17.6	17.5	17.3	16.9	15.9	14.9	13.9	10.9	6.6	3.9	2.3
10°	48.7	48.0	47.1	41.8	35.9	30.6	26.0	14.0	7.1	3.4	1.7
12.5°	121.0	117.1	107.8	97.2	83.7	69.5	55.5	22.8	7.2	2.8	1.2
15°	227.1	219.0	204.5	183.3	155.7	124.6	98.2	37.0	7.1	2.4	0.9
17.5°	342.9	335.0	315.0	282.8	242.2	194.5	147.6	49.1	6.6	2.0	0.6
20°	425.3	416.9	398.1	364.0	320.1	256.5	194.4	57.7	6.2	1.5	0.3
21°	449.4	441.0	421.2	388.2	342.0	278.2	209.4	59.2	5.9	1.3	0.2
22°	464.7	459.8	438.4	406.5	359.3	295.7	222.2	59.9	5.7	1.2	0.2
23°	480.0	472.7	452.7	419.0	372.6	308.6	231.7	59.4	5.5	1.0	0.1
24°	491.4	485.2	462.0	428.7	381.8	316.5	237.3	58.1	5.2	0.9	0.1
25°	499.5	493.8	469.7	435.3	387.9	320.8	239.0	56.1	4.9	0.8	0.1
26°	507.3	501.1	476.0	439.1	391.2	322.2	237.4	54.0	4.6	0.7	0.0
27°	512.9	506.6	480.4	441.3	391.4	320.5	232.9	51.0	4.3	0.6	0.0
28°	518.8	511.6	483.5	442.6	390.2	316.6	226.4	47.9	4.1	0.5	0.0
29°	522.5	515.6	486.6	444.0	387.8	310.1	217.0	44.2	3.6	0.3	0.0
30°	524.8	516.7	486.3	442.5	384.5	303.0	205.7	41.0	3.1	0.3	0.0
31°	522.8	514.3	483.2	438.4	379.3	293.8	194.2	37.1	2.5	0.2	0.0
32°	518.6	508.5	477.7	431.2	370.0	281.9	182.2	33.9	1.9	0.2	0.0
33°	508.3	499.8	467.8	421.6	357.9	265.9	166.6	30.8	1.3	0.1	0.0
34°	495.4	486.9	454.3	408.8	341.6	245.1	147.7	27.5	1.1	0.1	0.0
35°	478.4	469.9	439.0	390.9	320.1	220.1	128.2	24.7	0.9	0.1	0.0
36°	460.4	449.3	419.7	371.8	291.2	191.7	107.4	21.5	0.7	0.1	0.0
37°	434.1	426.5	393.7	342.7	259.9	164.5	92.2	18.5	0.5	0.1	0.0
38°	406.8	399.8	367.8	313.4	225.0	137.5	77.2	15.7	0.4	0.0	0.0
39°	378.5	367.0	335.3	275.9	188.5	115.2	65.0	13.1	0.2	0.0	0.0
40°	334.3	325.4	291.6	230.8	156.0	93.4	55.4	10.0	0.2	0.0	0.0
42.5°	221.6	213.4	177.9	125.2	82.9	54.6	36.5	3.9	0.0	0.1	0.0
45°	114.2	109.0	88.6	65.5	47.0	33.5	23.5	2.4	0.0	0.1	0.1
47.5°	45.4	44.5	40.2	34.7	26.7	19.9	12.8	1.1	0.0	0.1	0.1
50°	12.2	12.3	11.6	10.7	9.7	9.1	5.4	0.3	0.0	0.2	0.1
52.5°	5.2	5.3	5.1	4.8	4.3	3.2	2.2	0.1	0.1	0.2	0.2
55°	1.1	1.2	1.3	1.4	1.6	1.4	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°	4.5	4.5	4.5
2.5°	3.1	2.8	2.7
5°	2.2	1.9	1.7
7.5°	1.5	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 E3A301WMH_3000K

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)