

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: P1334242

Luminaire Tested: P3A02R15B2750DE010 E3A301WMH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334242
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 E3A301WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

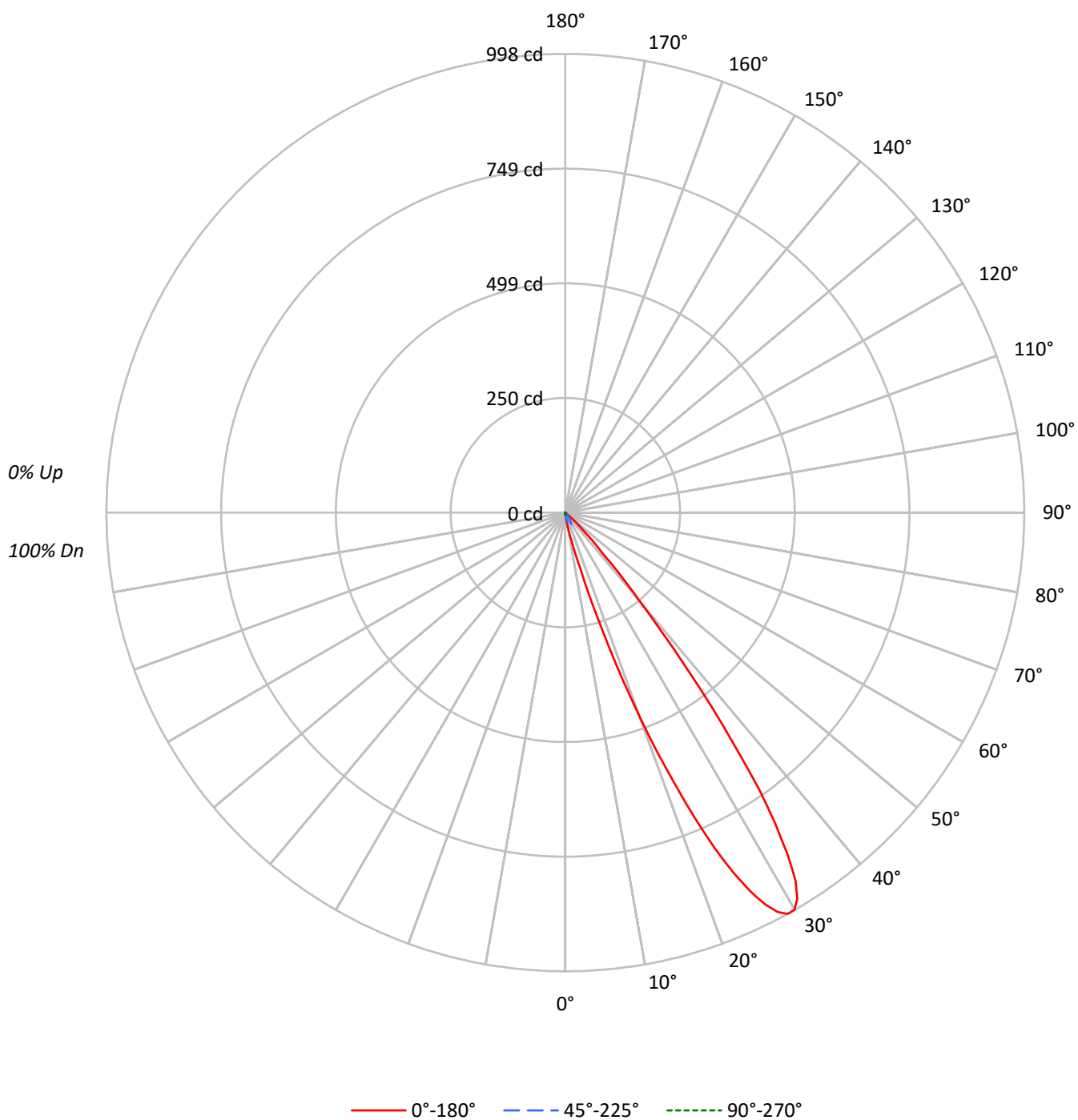
Lumens per Lamp: N/A
Luminaire Lumens: 108.9 lumens
Efficiency: N/A
Efficacy: 37.6 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	99	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	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	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	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°	789	789	789	789	789
5°	1695	1255	748	396	330
10°	7548	2382	601	156	111
15°	28581	5516	409	68	45
20°	109886	7771	257	23	23
25°	208948	7283	121	0	0
30°	252419	5874	51	0	0
35°	196861	4015	27	0	0
40°	71849	1975	29	0	29
45°	18452	589	31	0	62
50°	3104	68	34	34	102
55°	421	0	76	115	191
60°	44	44	132	175	263
65°	52	52	208	259	311
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: 18452 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.5
10°-20°	8.4	7.7
20°-30°	46.3	42.5
30°-40°	44.8	41.1
40°-50°	7.8	7.1
50°-60°	0.5	0.5
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°	55.2	50.6
0°-40°	99.9	91.7
0°-60°	108.3	99.4
0°-90°	108.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	108.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	8	6	3	2	2	2
15°	126	24	2	0	0	56
25°	864	30	0	0	0	386
35°	735	15	0	0	0	423
45°	60	2	0	0	0	64
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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	5.3	5.1	5.2	5.2	5.2	5.2	5.2	5.0	5.0	5.1	4.6
5°	7.7	7.7	7.6	7.7	7.7	7.6	7.4	7.3	7.3	7.1	5.7
7.5°	15.5	15.3	15.3	15.1	14.0	13.7	13.5	12.9	12.0	11.8	7.4
10°	33.9	34.0	33.3	32.3	32.2	30.6	30.1	29.2	27.4	25.6	10.7
12.5°	61.6	60.2	58.4	58.5	55.5	54.4	52.0	49.3	46.5	43.7	17.6
15°	125.9	121.9	124.3	118.5	112.1	104.8	97.3	88.0	80.1	71.6	24.3
17.5°	265.1	268.9	262.4	237.9	222.9	205.2	180.3	156.2	135.6	119.1	29.7
20°	470.9	476.5	454.5	433.2	396.7	356.8	315.2	268.1	223.1	184.1	33.3
21°	556.9	553.5	544.5	510.3	468.1	421.9	371.0	319.0	264.4	213.8	33.6
22°	640.0	641.6	620.6	584.9	541.0	489.8	427.6	363.5	304.6	237.9	33.1
23°	722.8	727.9	700.1	666.6	611.4	553.6	481.7	412.5	339.7	265.6	32.0
24°	799.5	796.0	777.2	735.0	675.9	608.3	533.6	449.7	368.6	289.2	31.2
25°	863.6	863.2	833.7	792.7	725.1	650.2	567.9	480.1	393.3	305.3	30.1
26°	916.1	907.5	884.3	834.2	767.5	688.5	596.0	502.3	407.2	313.3	29.1
27°	956.6	950.4	919.3	867.2	797.6	710.1	614.0	513.3	413.5	316.0	27.7
28°	983.8	977.2	944.0	890.3	814.1	723.7	623.6	518.0	413.5	313.4	26.4
29°	998.0	988.8	955.8	898.3	817.9	725.2	621.2	513.4	407.0	305.6	24.9
30°	996.9	985.5	950.9	891.1	806.6	712.2	608.2	497.0	392.4	293.9	23.2
31°	979.7	967.0	928.3	866.7	783.1	687.6	583.6	474.9	372.4	278.8	21.5
32°	944.8	928.7	891.0	829.6	747.1	650.8	547.9	440.9	342.4	256.6	19.7
33°	888.0	871.8	831.3	773.7	698.3	604.2	500.5	404.3	308.2	230.2	18.2
34°	816.9	802.0	767.1	709.1	636.8	545.1	446.0	353.7	272.8	204.0	16.6
35°	735.4	711.8	680.2	634.3	563.8	471.5	387.1	306.6	236.3	176.5	15.0
36°	625.3	629.5	596.0	539.8	481.4	409.1	328.1	255.6	197.6	150.5	13.5
37°	527.6	520.9	499.6	456.1	405.2	333.5	274.9	216.7	166.3	127.2	11.9
38°	425.6	427.1	406.2	372.8	322.3	274.2	221.3	178.0	139.1	108.3	10.4
39°	333.1	332.0	326.4	295.4	249.7	218.1	179.3	147.6	115.9	91.3	8.8
40°	251.0	252.9	239.7	221.1	194.5	168.5	142.8	117.7	95.9	77.0	6.9
42.5°	122.0	125.0	116.3	111.5	99.8	89.6	75.6	61.7	52.5	45.4	3.1
45°	59.5	57.8	57.0	54.7	52.0	46.4	41.1	35.3	30.9	26.6	1.9
47.5°	30.4	29.6	29.6	28.6	27.7	25.9	23.2	21.3	19.2	16.5	0.7
50°	9.1	9.0	8.9	9.0	8.7	9.0	9.2	9.3	8.5	8.4	0.2
52.5°	3.6	3.7	3.6	3.9	3.9	3.8	3.9	3.8	3.7	3.3	0.0
55°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.2	1.3	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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CATALOG NUMBER: P3A02R15B2750DE010 E3A301WMH_5000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	4.2	3.7	3.1	2.5	2.3	2.2
5°	4.6	3.4	2.3	1.8	1.6	1.5
7.5°	4.9	3.1	1.8	1.3	1.0	0.8
10°	5.1	2.7	1.4	0.7	0.5	0.5
12.5°	5.1	2.1	1.0	0.4	0.3	0.3
15°	5.0	1.8	0.6	0.3	0.2	0.2
17.5°	4.9	1.4	0.4	0.2	0.1	0.2
20°	4.6	1.1	0.2	0.1	0.1	0.1
21°	4.5	1.0	0.2	0.1	0.1	0.1
22°	4.2	0.8	0.1	0.0	0.1	0.1
23°	4.0	0.6	0.1	0.0	0.0	0.0
24°	3.7	0.5	0.1	0.0	0.0	0.0
25°	3.5	0.5	0.1	0.0	0.0	0.0
26°	3.3	0.3	0.0	0.0	0.0	0.0
27°	3.0	0.2	0.0	0.0	0.0	0.0
28°	2.8	0.2	0.0	0.0	0.0	0.0
29°	2.4	0.2	0.0	0.0	0.0	0.0
30°	2.1	0.2	0.0	0.0	0.0	0.0
31°	1.7	0.1	0.0	0.0	0.0	0.0
32°	1.4	0.1	0.0	0.0	0.0	0.0
33°	1.0	0.1	0.0	0.0	0.0	0.0
34°	0.6	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	0.6	0.6
62.5°	0.2	0.4	0.4	0.4	0.6	0.6
65°	0.2	0.4	0.4	0.5	0.6	0.6
67.5°	0.2	0.4	0.4	0.4	0.5	0.6
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)