

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: P1334565

Luminaire Tested: P3A02R20B2750DE010 E3A301WMH_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334565
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 E3A301WMH_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

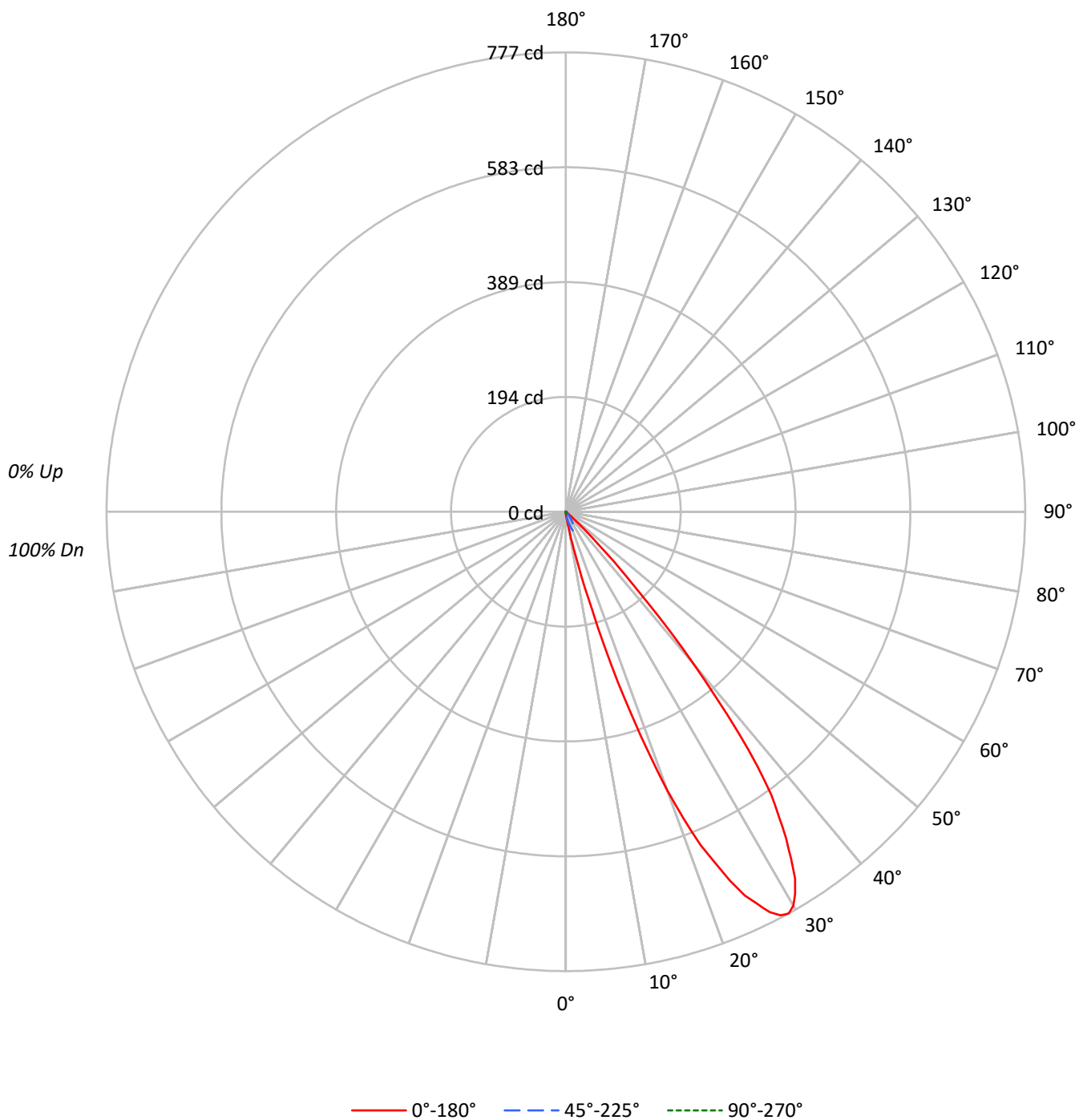
Lumens per Lamp: N/A
Luminaire Lumens: 109.0 lumens
Efficiency: N/A
Efficacy: 37.6 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	76	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°	833	833	833	833	833
5°	1893	1409	792	484	418
10°	5967	2472	646	267	200
15°	38661	4563	477	91	23
20°	116677	7794	327	0	0
25°	173284	7863	194	0	0
30°	194865	5976	76	0	0
35°	168111	3560	54	0	0
40°	96810	1231	0	0	0
45°	23599	496	31	0	31
50°	2831	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: 23754 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.5
10°-20°	10.1	9.3
20°-30°	44.0	40.4
30°-40°	44.3	40.7
40°-50°	8.9	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°	54.6	50.1
0°-40°	99.0	90.8
0°-60°	108.3	99.4
0°-90°	109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	109.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	9	6	4	2	2	1
15°	170	20	2	0	0	67
25°	716	32	1	0	0	323
35°	628	13	0	0	0	374
45°	76	2	0	0	0	83
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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	5.6	5.6	5.5	5.5	5.4	5.5	5.3	5.4	5.4	5.3	4.8
5°	8.6	8.8	8.7	8.7	8.6	8.7	8.5	8.3	8.1	8.1	6.4
7.5°	14.1	14.0	13.8	13.9	13.6	13.4	13.3	13.2	12.6	12.3	8.4
10°	26.8	27.4	26.9	26.8	25.0	24.9	23.7	22.1	20.6	19.8	11.1
12.5°	73.8	76.9	72.0	69.6	68.2	62.9	60.6	54.8	49.1	44.9	14.0
15°	170.3	178.1	168.1	168.8	160.5	145.3	131.9	120.4	106.9	93.3	20.1
17.5°	333.7	327.3	321.9	312.7	295.8	273.4	244.7	215.5	190.3	163.9	28.0
20°	500.0	494.3	482.0	461.9	440.4	407.2	373.0	329.2	286.8	247.0	33.4
21°	557.2	555.4	535.1	522.7	489.5	457.9	418.4	371.5	323.8	276.7	34.3
22°	608.4	597.1	586.2	567.9	534.9	500.5	456.6	407.2	355.4	303.1	34.4
23°	643.8	638.6	628.3	607.7	574.8	534.4	488.1	436.5	381.9	321.8	34.1
24°	682.9	676.4	661.4	637.2	604.1	564.2	511.4	460.1	400.8	337.5	33.3
25°	716.2	706.0	688.2	662.2	626.0	584.7	531.6	475.4	413.9	348.1	32.5
26°	737.7	732.2	709.3	681.0	642.3	599.8	545.6	487.0	422.5	352.9	31.2
27°	760.2	750.0	727.5	695.0	653.0	609.6	553.5	492.7	425.4	353.1	29.7
28°	773.0	761.9	736.5	702.3	659.9	615.0	558.0	494.4	424.8	350.1	27.8
29°	777.1	763.1	738.3	703.5	661.6	615.4	557.3	491.9	419.6	342.6	25.6
30°	769.6	755.3	731.8	697.9	656.2	610.4	550.9	483.4	410.3	331.8	23.6
31°	753.1	741.1	718.3	684.3	644.4	598.9	536.4	469.4	394.5	317.3	21.4
32°	731.5	719.6	697.3	666.5	625.9	580.0	516.5	447.7	375.9	295.8	19.1
33°	698.9	692.1	672.0	642.7	602.0	553.0	489.8	421.7	349.4	271.8	17.1
34°	666.0	657.4	643.4	611.2	567.5	518.6	455.0	385.8	317.0	245.0	15.2
35°	628.0	622.9	600.8	575.1	531.2	481.2	418.0	350.9	279.4	215.2	13.3
36°	591.3	583.3	558.2	531.0	488.4	434.3	371.9	308.8	246.8	187.2	11.4
37°	537.9	525.8	507.9	479.2	429.4	383.3	326.3	267.8	206.8	156.9	9.2
38°	475.1	469.4	444.6	415.7	374.5	330.8	274.4	224.8	170.6	131.0	7.0
39°	401.0	400.9	377.2	356.3	315.9	276.6	225.8	182.4	140.8	105.5	5.4
40°	338.2	326.5	311.9	285.7	254.7	221.3	176.8	142.8	109.3	85.0	4.3
42.5°	177.3	176.3	167.7	148.0	130.7	111.1	88.3	73.6	57.6	46.9	2.7
45°	76.1	76.6	70.7	67.7	61.0	52.8	44.6	37.2	31.8	25.8	1.6
47.5°	19.3	18.5	18.3	19.0	19.0	18.4	16.5	15.5	14.3	13.2	0.9
50°	8.3	8.1	7.9	7.9	7.4	7.1	6.6	6.0	5.5	4.9	0.4
52.5°	3.1	3.2	3.3	3.2	3.2	3.1	3.1	3.0	2.7	2.4	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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CATALOG NUMBER: P3A02R20B2750DE010 E3A301WMH_4000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	4.4	3.9	3.3	2.8	2.7	2.6
5°	4.8	3.6	2.7	2.2	2.0	1.9
7.5°	5.2	3.3	2.2	1.6	1.4	1.3
10°	5.4	2.9	1.8	1.2	0.9	0.9
12.5°	5.5	2.5	1.3	0.8	0.5	0.5
15°	5.4	2.1	1.0	0.4	0.1	0.1
17.5°	4.9	1.7	0.6	0.1	0.0	0.0
20°	4.3	1.4	0.4	0.0	0.0	0.0
21°	4.1	1.2	0.3	0.0	0.0	0.0
22°	3.8	1.1	0.2	0.0	0.0	0.0
23°	3.5	1.0	0.2	0.0	0.0	0.0
24°	3.2	0.9	0.1	0.0	0.0	0.0
25°	3.0	0.8	0.1	0.0	0.0	0.0
26°	2.8	0.7	0.1	0.0	0.0	0.0
27°	2.5	0.6	0.0	0.0	0.0	0.0
28°	2.3	0.5	0.0	0.0	0.0	0.0
29°	2.0	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)