

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: P1334886

Luminaire Tested: P3A02R25B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334886
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

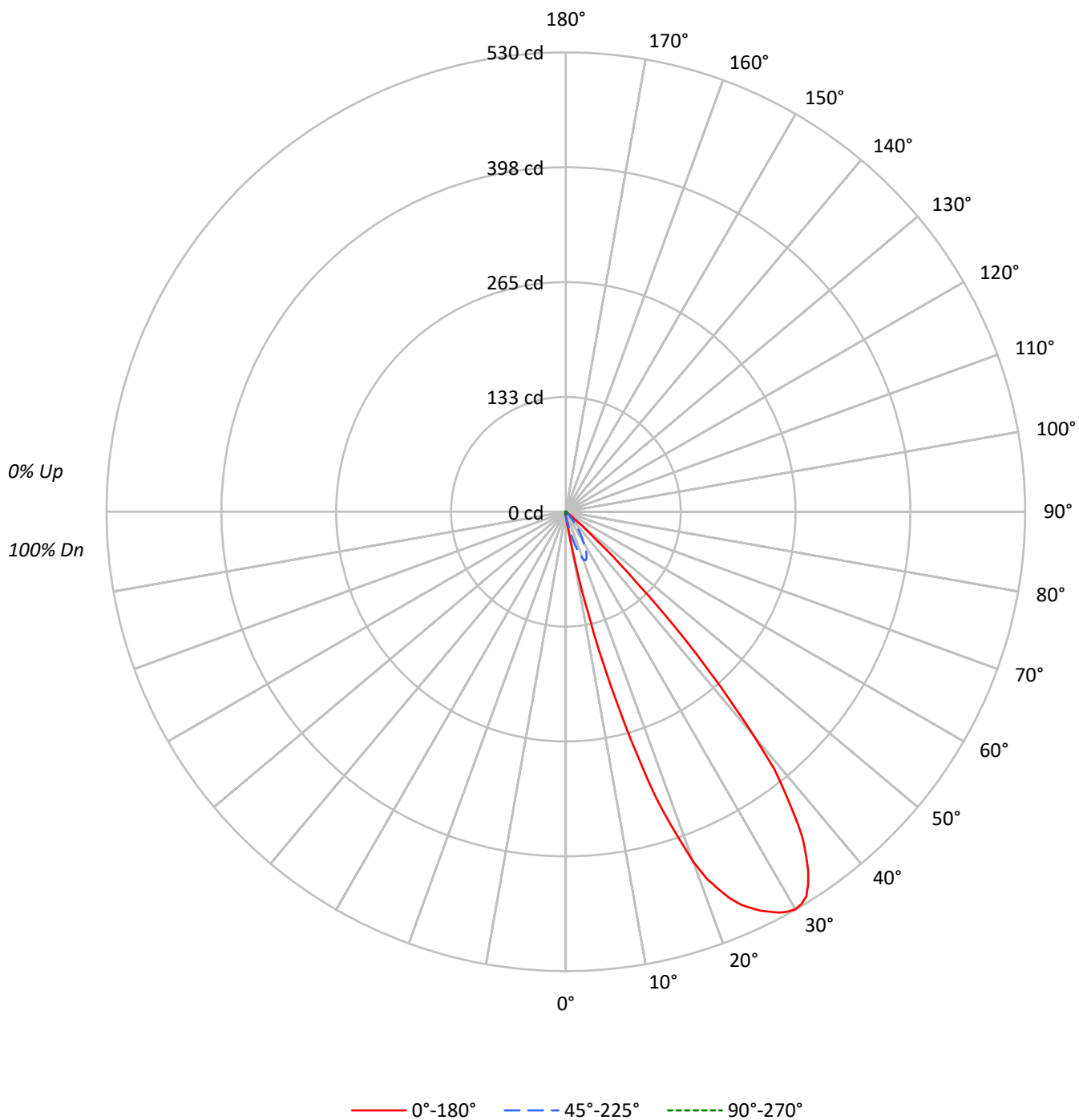
Lumens per Lamp: N/A
Luminaire Lumens: 106.0 lumens
Efficiency: N/A
Efficacy: 36.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.52 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	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°	2509	1849	947	484	374
10°	10955	3140	779	223	156
15°	52032	8490	545	91	68
20°	100179	13605	350	23	23
25°	122015	13719	194	0	0
30°	134147	10483	76	0	0
35°	129269	6666	27	0	0
40°	96581	2891	0	0	29
45°	35756	775	31	31	93
50°	4230	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: 35756 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.6
10°-20°	12.4	11.7
20°-30°	38.8	36.6
30°-40°	40.8	38.5
40°-50°	12.0	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°	51.8	48.9
0°-40°	92.6	87.4
0°-60°	105.3	99.3
0°-90°	106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	106.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	11	8	4	2	2	2
15°	229	37	2	0	0	72
25°	504	57	1	0	0	231
35°	483	25	0	0	0	291
45°	115	2	0	0	0	105
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	3.8
5°	11.4	11.4	10.9	10.8	10.6	10.2	9.8	8.4	6.0	4.3	3.0
7.5°	17.8	17.7	17.5	17.0	16.0	15.0	14.0	11.0	6.6	4.0	2.3
10°	49.2	48.5	47.6	42.2	36.2	30.9	26.2	14.1	7.1	3.5	1.7
12.5°	122.1	118.2	108.8	98.1	84.5	70.1	56.1	23.0	7.3	2.9	1.2
15°	229.2	221.0	206.4	185.0	157.2	125.8	99.1	37.4	7.1	2.4	0.9
17.5°	346.1	338.2	318.0	285.5	244.5	196.3	149.0	49.5	6.6	2.0	0.6
20°	429.3	420.9	401.9	367.5	323.1	258.9	196.2	58.3	6.2	1.5	0.3
21°	453.7	445.2	425.2	391.9	345.3	280.9	211.3	59.7	5.9	1.3	0.2
22°	469.1	464.1	442.6	410.3	362.8	298.5	224.3	60.4	5.7	1.2	0.2
23°	484.6	477.2	457.0	423.0	376.1	311.5	233.9	59.9	5.5	1.0	0.1
24°	496.1	489.8	466.4	432.8	385.4	319.5	239.5	58.6	5.2	0.9	0.1
25°	504.3	498.6	474.1	439.4	391.6	323.9	241.3	56.7	4.9	0.8	0.1
26°	512.1	505.9	480.6	443.3	394.9	325.3	239.6	54.5	4.6	0.7	0.0
27°	517.7	511.4	485.0	445.5	395.1	323.6	235.1	51.5	4.4	0.6	0.0
28°	523.8	516.5	488.1	446.8	393.9	319.6	228.6	48.4	4.2	0.5	0.0
29°	527.4	520.5	491.2	448.2	391.4	313.0	219.1	44.6	3.7	0.3	0.0
30°	529.8	521.6	490.9	446.7	388.2	305.9	207.7	41.4	3.2	0.3	0.0
31°	527.8	519.2	487.8	442.6	382.9	296.6	196.0	37.5	2.6	0.2	0.0
32°	523.6	513.4	482.2	435.4	373.5	284.6	184.0	34.2	1.9	0.2	0.0
33°	513.2	504.6	472.2	425.7	361.3	268.4	168.2	31.1	1.3	0.1	0.0
34°	500.1	491.5	458.6	412.7	344.9	247.4	149.1	27.8	1.1	0.1	0.0
35°	482.9	474.4	443.2	394.6	323.1	222.2	129.5	24.9	0.9	0.1	0.0
36°	464.8	453.6	423.7	375.3	293.9	193.5	108.4	21.7	0.7	0.1	0.0
37°	438.2	430.6	397.5	345.9	262.4	166.1	93.1	18.7	0.5	0.1	0.0
38°	410.6	403.6	371.3	316.4	227.2	138.9	77.9	15.8	0.4	0.0	0.0
39°	382.1	370.5	338.5	278.5	190.3	116.3	65.6	13.3	0.2	0.0	0.0
40°	337.4	328.5	294.4	233.0	157.4	94.3	55.9	10.1	0.2	0.0	0.0
42.5°	223.7	215.4	179.6	126.4	83.7	55.1	36.9	4.0	0.0	0.1	0.0
45°	115.3	110.1	89.4	66.2	47.5	33.8	23.7	2.5	0.0	0.1	0.1
47.5°	45.8	44.9	40.5	35.0	27.0	20.1	13.0	1.1	0.0	0.1	0.1
50°	12.4	12.5	11.7	10.8	9.8	9.2	5.4	0.3	0.0	0.2	0.1
52.5°	5.2	5.3	5.1	4.8	4.4	3.3	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°	3.2	2.9	2.8
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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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)