

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: P1337552

Luminaire Tested: P3A05R25B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337552
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: P3A05R25B2750DE010 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

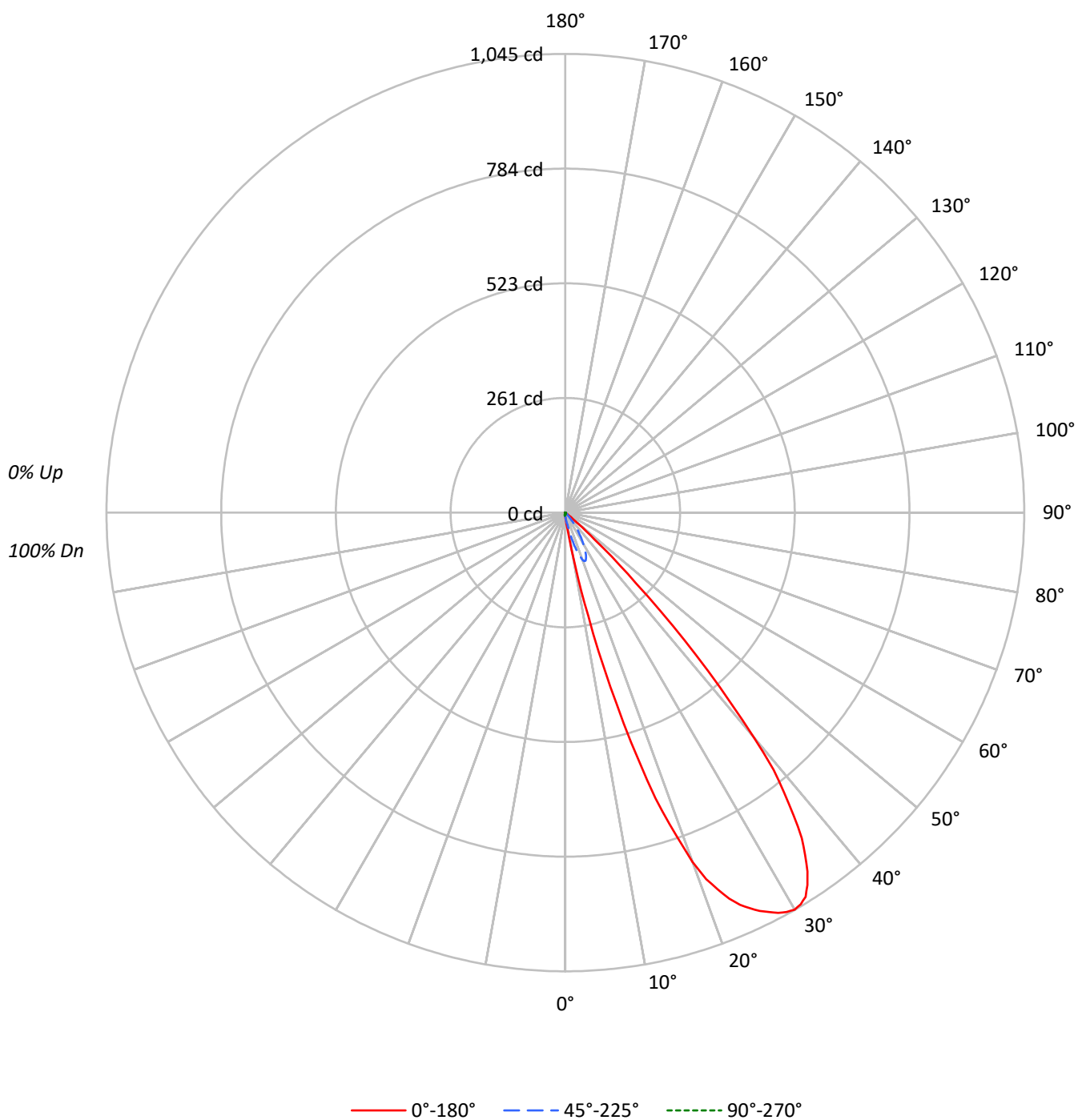
Lumens per Lamp: N/A
Luminaire Lumens: 209.0 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	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	87	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	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1974	1974	1974	1974	1974
5°	4931	3654	1849	947	726
10°	21576	6212	1514	423	312
15°	102611	16731	1067	182	136
20°	197534	26812	677	47	47
25°	240570	27026	387	0	0
30°	264496	20687	152	0	0
35°	254897	13144	54	0	0
40°	190443	5696	0	0	57
45°	70519	1520	62	62	186
50°	8324	205	136	136	273
55°	803	0	153	229	382
60°	88	0	263	351	439
65°	104	104	415	519	623
70°	128	128	513	513	769
75°	169	169	508	508	678
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70519 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.6
10°-20°	24.4	11.7
20°-30°	76.5	36.6
30°-40°	80.5	38.5
40°-50°	23.7	11.3
50°-60°	1.3	0.6
60°-70°	0.6	0.3
70°-80°	0.5	0.3
80°-90°	0.3	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°	102.2	48.9
0°-40°	182.7	87.4
0°-60°	207.6	99.3
0°-90°	209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	209.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	22	17	8	4	3	4
15°	452	74	5	1	1	142
25°	994	112	2	0	0	456
35°	952	49	0	0	0	575
45°	227	5	0	0	1	207
55°	2	0	0	1	1	5
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	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°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
2.5°	13.8	14.0	13.5	13.8	13.5	13.3	13.1	12.1	10.5	9.0	7.4
5°	22.4	22.4	21.4	21.3	20.9	20.1	19.3	16.6	11.9	8.4	5.8
7.5°	35.1	34.9	34.5	33.5	31.6	29.6	27.7	21.6	13.1	7.8	4.5
10°	96.9	95.5	93.8	83.3	71.4	60.8	51.7	27.9	14.0	6.8	3.3
12.5°	240.8	233.0	214.5	193.4	166.5	138.3	110.6	45.4	14.4	5.7	2.3
15°	452.0	435.8	407.0	364.8	309.9	248.0	195.4	73.7	14.0	4.7	1.8
17.5°	682.5	666.9	626.9	563.0	482.0	387.1	293.9	97.7	13.1	3.9	1.2
20°	846.5	829.9	792.5	724.6	637.1	510.5	386.9	114.9	12.3	2.9	0.6
21°	894.5	877.9	838.3	772.8	680.7	553.8	416.7	117.8	11.7	2.5	0.4
22°	924.9	915.1	872.6	809.1	715.3	588.5	442.3	119.1	11.3	2.3	0.4
23°	955.5	940.9	901.1	834.0	741.6	614.2	461.2	118.2	10.9	1.9	0.2
24°	978.1	965.8	919.6	853.3	759.9	630.0	472.3	115.6	10.3	1.8	0.2
25°	994.3	983.0	934.8	866.4	772.2	638.6	475.8	111.7	9.7	1.6	0.2
26°	1009.7	997.4	947.5	874.0	778.6	641.4	472.5	107.4	9.2	1.4	0.0
27°	1020.8	1008.3	956.3	878.5	779.0	638.0	463.5	101.6	8.6	1.2	0.0
28°	1032.7	1018.3	962.3	881.0	776.7	630.2	450.6	95.4	8.2	1.0	0.0
29°	1039.9	1026.3	968.6	883.7	771.8	617.2	431.9	87.9	7.2	0.6	0.0
30°	1044.6	1028.4	968.0	880.8	765.4	603.1	409.5	81.7	6.2	0.6	0.0
31°	1040.7	1023.7	961.7	872.6	755.0	584.8	386.5	73.9	5.1	0.4	0.0
32°	1032.3	1012.2	950.8	858.4	736.5	561.2	362.7	67.5	3.7	0.4	0.0
33°	1011.9	994.9	931.1	839.3	712.3	529.2	331.7	61.2	2.5	0.2	0.0
34°	986.1	969.1	904.2	813.7	680.0	487.9	294.1	54.8	2.1	0.2	0.0
35°	952.2	935.4	873.8	778.0	637.1	438.2	255.3	49.1	1.8	0.2	0.0
36°	916.5	894.3	835.4	740.0	579.5	381.6	213.7	42.7	1.4	0.2	0.0
37°	864.0	849.0	783.7	682.1	517.3	327.4	183.5	36.9	1.0	0.2	0.0
38°	809.6	795.8	732.0	623.8	447.9	273.8	153.7	31.2	0.8	0.0	0.0
39°	753.5	730.5	667.5	549.1	375.2	229.3	129.3	26.1	0.4	0.0	0.0
40°	665.3	647.8	580.5	459.4	310.4	185.8	110.2	19.9	0.4	0.0	0.0
42.5°	441.1	424.7	354.1	249.2	165.0	108.6	72.7	7.8	0.0	0.2	0.0
45°	227.4	217.0	176.3	130.5	93.6	66.7	46.8	4.9	0.0	0.2	0.2
47.5°	90.3	88.5	79.9	69.0	53.2	39.6	25.5	2.1	0.0	0.2	0.2
50°	24.4	24.6	23.0	21.3	19.3	18.1	10.7	0.6	0.0	0.4	0.2
52.5°	10.3	10.5	10.1	9.6	8.6	6.4	4.3	0.2	0.2	0.4	0.4
55°	2.1	2.3	2.5	2.7	3.1	2.7	1.8	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.0	0.2	0.4	0.6
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.6	0.6
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.8
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.8	0.8
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.4



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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	0.2	0.2	0.4	0.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
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°	9.0	9.0	9.0
2.5°	6.2	5.7	5.5
5°	4.3	3.7	3.3
7.5°	2.9	2.3	2.1
10°	1.9	1.6	1.4
12.5°	1.4	0.8	0.8
15°	0.8	0.6	0.6
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
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	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.6
47.5°	0.4	0.6	0.8
50°	0.4	0.8	0.8
52.5°	0.6	0.8	1.0
55°	0.6	1.0	1.0
57.5°	0.8	1.0	1.2
60°	0.8	1.0	1.0
62.5°	0.8	1.2	1.2
65°	1.0	1.2	1.2
67.5°	1.0	1.2	1.2
70°	0.8	1.0	1.2
72.5°	0.8	1.0	1.0
75°	0.6	0.8	0.8
77.5°	0.6	0.6	0.8
80°	0.4	0.6	0.6

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)